

UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2006

COORDINATED AND EDITED BY:

Anne M. Gillen
and
Gary W. Shelton

USDA-ARS
Crop Genetics and Production Research Unit

141 Experiment Station Road
P. O. Box 345
Stoneville, Mississippi 38776

DATA COMPILED BY:

Patricia P. Bell

The United States Department of Agriculture, Agricultural Research Service, does not vouch for the authenticity of either the parentage or ancestry of entries in the Uniform Soybean Tests. This agency is not responsible for the accuracy of data submitted to and included in the Uniform Soybean Test Report.

All programs and services of the U. S. Department of Agriculture are offered on a nondiscriminatory basis without regard to race, color, national origin, religion, sex, age, marital status, or handicap.

RR refers to Roundup Ready®. Roundup Ready® is a registered trademark of Monsanto Technology LLC.

Mention of trade names or commercial products in this publication is solely for the purpose of providing specific information and does not imply recommendation or endorsement by the U. S. Department of Agriculture.

TABLE OF CONTENTS

INTRODUCTION	2
POLICY ON EVALUATION AND RELEASE OF STRAINS	3
ACKNOWLEDGEMENTS	4
UNIFORM TEST PARTICIPANTS	5
STRAIN DESIGNATION	7
SOYBEAN NURSERY LOCATIONS	8
METHODS	10
Cultural Practices	10
Maturity, Harvest, and Yield	10
Pest Assessment	11
Statistical Analyses	13
IDENTIFICATION OF PARENT STRAINS	14
MATURITY GROUP IV-S	
UNIFORM	22
PRELIMINARY EARLY	49
PRELIMINARY LATE	59
MATURITY GROUP V	
UNIFORM	69
PRELIMINARY	96
MATURITY GROUP VI	
UNIFORM	106
PRELIMINARY	133
MATURITY GROUP VII	
UNIFORM	143
PRELIMINARY	164
MATURITY GROUP VIII	
UNIFORM	174
PRELIMINARY	191

INTRODUCTION

The Uniform Soybean Testing Program has been directed toward the testing of elite breeding lines that ultimately leads to the release of varieties. Breeding lines are developed and evaluated in several participating federal and state research programs. As breeding lines demonstrate specific qualities in the individual programs, they are advanced to the preliminary and uniform regional tests conducted in cooperation with research workers in the southern states. This testing program enables breeders to evaluate new strains under a wide variety of conditions, and permits new strains to be put into production in a minimum amount of time. Lines are usually entered only once in the Preliminary Test and then are either dropped or advanced to the Uniform Test for a maximum of three years if performance warrants further testing.

Eleven uniform test groups have been established to evaluate the best strains developed in the breeding programs. The groups 00 through IV are adapted in the northern part of the United States, and the groups IV-S through VIII are grown in the southern part. Within their area of adaptation, there is a maturity range of 12 to 18 days within each maturity class. The best varieties available in each maturity class are used as check varieties with which to compare new strains as to seed yield, chemical composition, maturity, height, lodging, seed quality, and reaction to diseases and nematodes. For the groups grown in the southern area, the check varieties are: AG3906 (RR), AG 4201(RR), AG 4403 (RR), LD00-3309, DK4866, AG 4903 (RR), 5002T, 5601T, AG 5501 (RR), Allen, 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. Katy Martin Rainey and Dr. Sue A. Tolin, 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; Jodean Sarins, National Center for Agricultural Utilization Research, USDA-ARS, Peoria, Illinois - protein and oil content; and Gary Shelton and Dr. Susan Li, USDA-ARS, Stoneville, MS - stem canker.

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:

D. B. Weaver, AU, Auburn, AL
C. Norris, AU, Belle Mina, AL
M. Pegues, AU, Fairhope, AL

P. Chen, UA, Fayetteville, AR
M. Conatser, State University, AR
R. Cobill, UA, Pine Tree, AR
J. Branson, UA, Stuttgart, AR

R. Uniatowski, UD, Newark, DE

H. R. Boerma, UG, Athens, GA
D. Day, GAES, Griffin, GA
D. Wood, UG, Athens, GA
G. Rowan, UG, Athens, GA

J. Klein, SIU, Carbondale, IL
C. Schmidt, SIU, Carbondale, IL
J. Sarins, USDA-ARS, Peoria, IL
C. Rudner, USDA-ARS, Peoria, IL

W. T. Schapaugh, Jr., KSU, Manhattan, KS

T. W. Pfeiffer, UK, Lexington, KY
E. Lacefield, UK, Lexington, KY

S. Moore, LSU, Alexandria, LA
B. Buckley, LSU, Bossier City, LA

W. J. Kenworthy, UM, College Park, MD

A. M. Gillen, USDA-ARS, Stoneville, MS
S. Li, USDA-ARS, Stoneville, MS
G. W. Shelton, USDA-ARS, Stoneville, MS
W. D. Marlow, USDA-ARS, Stoneville, MS
P. P. Bell, USDA-ARS, Stoneville, MS
B. W. White, MSU, Starkville, MS

J. G. Shannon, MU, Portageville, MO
S. C. Anand, MU, Columbia, MO
T. Newman, MU, Portageville, MO
M. Woolard, MU, Portageville, MO

J. W. Burton, USDA-ARS, Raleigh, NC
T. E. Carter, USDA-ARS, Raleigh, NC
A. Cardinal, NCSU, Raleigh, NC

R. Heister, OSU, Stillwater, OK
C. Godsey, OSU, Stillwater, OK

E. R. Shipe, CU, Clemson, SC
P. F. Williams, Jr., CU, Clemson, SC

V. R. Pantalone, UT, Knoxville, TN
D. Walker, UT, Knoxville, TN
W. Pitt, UT, Knoxville, TN
G. G. Percell, WTES, Jackson, TN
P. Arelli, USDA-ARS, Jackson, TN
P. Donald, USDA-ARS, Jackson, TN
L. Fritz, USDA-ARS, Jackson, TN

J. J. Heitholt, TAES, Prosper, TX

K. M. Rainey, VT, Blacksburg, VA
G. R. Buss, VPI&SU, Blacksburg, VA
C. L. Barrack, EVAREC, Warsaw, VA
D. E. Starner, NPAREC, Orange, VA
D. L. Holshouser, TAREC, Suffolk, VA
T. Mebrahtu, VSU, Petersburg, VA

UNIFORM TEST PARTICIPANTS - 2006

Dr. Prakash Arelli
 USDA-ARS, Nematology Research
 605 Airways Blvd.
 Jackson, TN 38301
 (901) 425-4741
 (901) 425-4760 {Fax}
 parelli@ars.usda.gov

Dr. H. Roger Boerma
 Dept. of Agronomy, University of Georgia
 3111 Plant Sciences Bldg.
 Athens, GA 30602
 (706) 542-0927
 (706) 542-0914 {Fax}
 rboerma@arches.uga.edu

Dr. Blair Buckley
 LSU AgCenter
 Red River Research Station
 P.O. Box 8550
 Bossier City, LA 71113
 (318) 741-7430 Ext. 1202
 (318) 741-7433 {Fax}
 BBuckley@agcenter.lsu.edu

Dr. Andrea Cardinal
 Department of Crop Science
 North Carolina State University
 Williams Hall, Rm 1244
 Campus Box 7620
 Raleigh, NC 27695-7620
 (919) 513-0913
 (919) 515-5657 {Fax}
 andrea_cardinal@ncsu.edu

Dr. Thomas E. Carter
 USDA-ARS, Plant Science Research
 North Carolina State University
 P.O. Box 7631
 Raleigh, NC 27695-7631
 (919) 513-1480
 (919) 856-4598 {Fax}
 tommy_carter@ncsu.edu

Dr. Pengyin Chen
 Dept. of Crop, Soil and Environmental Sciences
 University of Arkansas
 115 Plant Science Building
 Fayetteville, AR 72701
 (501) 575-7564
 pchen@uark.edu

Dr. Patricia Donald
 USDA-ARS, Nematology Research
 605 Airways Blvd.
 Jackson, TN 38301
 (901) 425-4741
 (901) 425-4760 {Fax}
 pdonald@ars.usda.gov

Dr. Anne M. Gillen
 USDA-ARS, Crop Genetics and Production
 Research Unit
 141 Experiment Station Road
 P. O. Box 345
 Stoneville, MS 38776
 (662) 686-3127
 (662) 686-5218 {Fax}
 agillen@msa-stoneville.ars.usda.gov

Dr. Chad Godsey
 Dept. of Plant and Soil Sciences
 Oklahoma State University
 368 Agricultural Hall
 Stillwater, OK 74078-6028
 (405) 744-3389
 (405) 744-0354 {Fax}
 chad.godsey@okstate.edu

Dr. James J. Heitholt
 Texas Agricultural Experiment Station
 17360 Coit Road
 Dallas, TX 75252
 (972) 952-9230
 j-heitholt@tamu.edu

Dr. Bill J. Kenworthy
 Dept. of N.R.S.L.
 University of Maryland
 Room 112, H. J. Patterson
 College Park, MD 20742-5821
 (301) 405-1324
 (301) 314-9041 {Fax}
 wk7@uemail.umd.edu

Mr. Jim Klein
 Agronomy Research Center
 Southern Illinois University
 3268 W. Pleasant Hill Road
 Carbondale, IL 62901-4415
 (618) 453-2453
 (618) 453-1778 {Fax}
 jklein@siu.edu

Dr. Tadesse Mebrahtu
 M. T. Carter Research Center
 Virginia State University
 P. O. Box 9289
 Petersburg, VA 23806
 (804) 524-5953
 (804) 524-5186 {Fax}
 tmebraht@vsu.edu

Dr. Steven H. Moore
 Dean Lee Research Station
 Louisiana State University
 8105 Tom Bowman Drive
 Alexandria, LA 71302
 (318) 308-1922
 (318) 473-6535 {Fax}
 SMOORE@agcenter.lsu.edu

Dr. Vince R. Pantalone
 Dept. of Plant and Soil Sciences
 University of Tennessee
 P. O. Box 1071
 Knoxville, TN 37901-1071
 (865) 974-8801
 (865) 974-7997 {Fax}
 vpantalo@utk.edu

Dr. Todd W. Pfeiffer
 Dept. of Agronomy
 University of Kentucky
 N-122 Agriculture Science Bldg. - North
 Lexington, KY 40546-0091
 (859) 257-4678
 (859) 323-1952 {Fax}
 tpfeiffe@ca.uky.edu

Dr. Katy Martin Rainey
 Dept. of Crop and Soil Environmental Sciences
 Virginia Tech
 509 Latham Hall
 Blacksburg, VA 24061
 (540) 231-6496
 (540) 231-3075 {Fax}
 kmrainey@vt.edu

Dr. Bill T. Schapaugh, Jr.
 Dept. of Agronomy
 2004 Throckmorton Hall
 Kansas State University
 Manhattan, KS 66506-5501
 (785) 532-7242
 (785) 532-6094 {Fax}
 scha0035@ksu.edu

Dr. J. Grover Shannon

Delta Center
 University of Missouri
 Highway T, P. O. Box 160
 Portageville, MO 63873
 (573) 379-5431
 (573) 379-5875 {Fax}
 shannong@missouri.edu

Dr. Emerson R. Shipe
 Agronomy and Soils, Clemson University
 275 Poole Agricultural Center
 Box 340359
 Clemson, SC 29634-0359
 (864) 656-3524
 (864) 656-3443 {Fax}
 eshipe@clemson.edu

Dr. Rusty Smith
 USDA-ARS, Crop Genetics and Production
 Research Unit
 141 Experiment Station Road
 P. O. Box 345
 Stoneville, MS 38776
 (662) 686-5499
 (662) 686-5218 {Fax}
 RSmith@msa-stoneville.ars.usda.gov

Dr. David B. Weaver
 Dept. of Agronomy and Soils
 Auburn University
 202 Funchess Hall
 Auburn, AL 36849
 (334) 844-3982
 (334) 844-3945 {Fax}
 dweaver@acesag.auburn.edu

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
- 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				U	2U	2U P	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				Leeper silty clay	30
Suffolk, VA			U				Lynchburg fine sandy loam	20
Milan, 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)	P	UP	UP				Tiptonville s. l.	30
Portageville, MO(B)		U	U				Sharkey clay	30
Pine Tree, AR	P	UP	UP	UP			Calloway silt loam	36
Stoneville, MS	P	UP	UP	UP	P		Sharkey clay	24
Rohwer, AR	P	UP	UP	UP			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
Bossier City, LA		U	U	U	U		Latanier silt loam	40
Alexandria, LA		U	U	U			Latanier silty clay loam	30
Prosper, TX	P	UP	UP				Houston black clay	14
Beaumont, TX				P			Morey silt clay	30

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

Root-knot Nematode. Screenings of strains of UIV-S - UVIII were conducted in a greenhouse at the University of Georgia.

Three seeds of each genotype were planted in Ray Leach Cone-tainers (20.6 cm long) filled with fumigated sandy loam soil to within 5 cm of the top and then covered with 2.5 cm of fumigated sand. Ten Cone-tainers each of a susceptible and resistant standard cultivar were included in each test. Forty-nine Cone-tainers were placed in a RL-98 tray, filling every other row of the tray. The trays (45) were placed on a greenhouse bench under supplemental light provided by 400-watt metal halide lamps and under an automatic irrigation system. Seven to 10 days after planting, plants were thinned to one seedling per Cone-tainer and inoculated with 3000 root-knot nematode eggs collected with 0.5% NaOCL (10% Clorox). The inoculum (3-5 ml depending on egg concentration) was placed with a digital dispensing pump in a soil at a depth of 2-3 cm. Plants were watered manually for 1-2 days following inoculation before turning on the automatic irrigation system. All plants were fertilized weekly with 20-20-20 (N = 20%, P = 8.7%, K = 16.6%) fertilizer solution.

Thirty days after inoculation, roots of two of the standard check plants were examined for

galls to assess whether to begin the process of evaluating the entire test. For evaluation, shoots were excised and root systems removed from the Cone-tainers and washed free of soil. For screening advanced breeding lines, the total number of galls per root system was counted. For all other studies, the number of galls on the remainder of the susceptible and resistant check plants was used to develop a gall index for evaluating the genotypes. The gall indexes (based on the number of galls/plant) were as follows: *Meloidogyne incognita* (SRK): 1 = 0-10, 2 = 11-20, 3 = 21-30, 4 = 31-40, and 5 = 41+ galls; *M. arenaria* (PRK): 1 = 0-30, 2 = 31-60, 3 = 61-90, 4 = 91-120, and 5 = 121+ galls.

Soybean Cyst Nematode (SCN). The SCN race 2, 3, and 14 screenings were conducted in the greenhouse at Jackson, Tennessee. One seed of each soybean entry (UVI-S - UVIII and PIV-S - PVIII) was planted in sterile soil mix with 7 replications per each SCN population. At the time of planting, 2,000 eggs of the population being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of cysts on the roots. The ratings were as follows: 1 = 0-5 cysts on the roots, 2 = 6-10 cysts on the roots, 3 = 11-20 cysts on the roots, 4 = 21-40 cysts on the roots, and 5 = > 40 cysts on the roots. The mean rating reported for each population was calculated as follows: Mean rating = (Rating category x # plants receiving rating)/Total # of plants.

In 2006, 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 Carbondale and Carmi, Illinois, in two plots 10 feet long. Disease incidence (DI), the % of plant exhibiting symptoms, was recorded between growth stages R5.8 and R6.4, along with disease severity (DS), which was scored on a 1-9 scale with 1 = mild chlorosis, 5 = severe leaf scorch, and 9 = premature death of plant. Disease index (DX) was then calculated as $(DI \cdot DS) / 9$. DX1 (Carbondale) and DX2 (Carmi) are reported. The DX for UIV-S susceptible and resistant checks, respectively, were 28 and 1 at Carbondale and 28 and 2 at Carmi. The DX for the UV susceptible and resistant checks were 22 and 5 at Carbondale and 10 and 2 at Carmi.

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 L.S.D ($P = 0.05$) for that location. Locations with extremely high C.V.'s were not included in the combined analysis or in calculating the means across locations. 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 Haske11	
Bay (Exp. V72-580)	York x R62-550	
Bedford (Exp. J74-46)	Forrest(2) x (D68-18 x PI 88788)	
Benning (Exp. G88-3266)	Hutcheson x Coker 6738	
Boggs (Exp. G89-2223)	G81-152 x Coker 6738	
Bolivar (Exp. DT95-15091)	A5979 x DP3589	
Bragg (Exp. F58-3786)	Jackson x D49-2491	
Bryan (Exp. G81-234)	Centennial x Bedford	
C1069	C985	
C985	Lincoln x Ogden	
Caviness	Hutcheson x A5403	
Centennial (Exp. D70-3185)	D64-4636 x Pickett 71 off-type (tawny pubescent type)	
Coker 237	Hutton x N63-858	
Coker 485	Centennial x (Hampton 266 x Bragg) x Hutton	
Coker Co72-211	Hampton 266 x Bragg	
Coker Co79-501	Coker Co72-211 x Centennial	
Coker Co82-622 (Rel. as Northrup King S83)	Braxton x Coker 368	
Colquitt (Exp. G or GA80-1011)	Wright x Braxton	
Columbus (Exp. K62-7221)	C1069 x Clark	
Cook (Exp. G83-266)	Braxton x Young	
Crawford (Exp. K1019)	Williams x Columbus	
D49-2491 (sib of Lee)	S-100 x CNS	
D49-2525 (sib of Lee)	S-100 x CNS	
D49-2573	Roanoke x N45-745	
D51-4877 (sib of Hood)	Roanoke x N45-745	
D52-810	N48-1101 x	
D53-184	D49-2525 x L46-5679	
D53-354	D49-2525 x L46-5679	
D55-4168	Ogden x Biloxi	
D56-1185	Perry x Lee	
D58-3311	Jackson (4) x D49-2491	
D58-3358	Jackson(4) x D49-2491	
D59-9289	D51-4877 x D55-4168	
D62-7816	D49-2491(5) x PI 181537 (MG 0 Narrow L Narrow leaf into D49-2491)	
D63-215	Haberlandt x Dunfield	
D64-3253	D49-2491(5) x Hawkeye	
D64-4636	Hill x D58-3311	
D65-3168	Hill (4) x PI 96983	
D65-6765	D58-3358 x D59-9289	
D67-B5	D62-7816 x Phytophthora resistanD67-B5=narrow leaf Lee res. To P.R.	
D68-18	Dyer x Bragg	
D68-216	Dyer x Bragg	D68-216 = same parentage as Forrest

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

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

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

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

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
R62-550	Essex × G. Soja	
R89-332	Pershing × Narow	
R92-1258	Hutcheson × Walters	
R92-1294	Hutcheson × Walters	
R93-171	Hutcheson × ASG A5403	
R93-174	A5403 × Hutcheson	
R96-1083	Hamilton × Coker 6955	
R96-2361	PI 507098 × N86-491	
R96-2660	A6297 × IA 2007	
Randolph (Exp. VS 20-418)	PI 417288 × T135 × PI 83945-4	
Ransom (Exp. N64-2430)	N55-5931 × N55-3818 × D56-1185	
Ripley (Exp. HC77-2204)	Hodgson × V68-1034	
Roanoke (Exp. N41-90)	Rouge in 'Nanking' (PI 71597)	
S88-19561	Forrest (3) × PI 437654	
S00-9970-09	S94-1867 × Anand	
S02-166RR	SG 498 × SS94-7482	
S02-182RR	S95-1908 × SG 498	
S02-18932RR	S97-1753 × DP 5960	
S02-19698RR	S96-2692 × DP 5960	
S02-256CR (RR)	SG 498 × S96-2692	
S02-750RR	SS94-7546 × S86-4499(4) × RR	
S55-7075	N48-1248 × Perry	
S76-2229	Forrest × V71-480	
S85-1009	Bradley × Essex	
S86-4499	L77-443 × L77-906	
S86-4499RR	S86-4499RR × RR	
S88-19561	Forrest (3) × PI 437654	
S91-1381	Hartz 5370 × Hartwig	
S91-1839	Hartwig × Coker 485	
S92-1069	MD83-5008 × Hartwig	
S94-1867	P9592 × S91-1693	
S94-1956	Holladay × Hartwig	
S94-7546	P9341 × S86-4499	
S95-1908	S92-1492 × NK S59-60	
S96-2692	Manokin × S91-1839	
S97-1753	H5545 × S91-1381	
S98-3940-43RR	S86-4499RR × DeLsoy 5500	
SC01-173	SC91-1791 × SC95-96	
SC01-778RR	Musen × SC92-2482 × [Benning × (Hagood × BC1ResnikRR)]	
SC01-832RR	SC92-3091 × SC92-2482 × [Benning × (Hagood × BC1ResnikRR)]	
SC02-122	Maxcy × (Maxcy × N474) × N94-199	
SC84-931 (Rel. as Dillon)	Centennial × Young	
SC89-147	Hutcheson × Leflore	
SC89-551	A6785 × Coker 6738	
SC91-1791	Coker 6847 × Stonewall	
SC91-2007	Northrup King S83-3 × Hutcheson	
SC92-2482	Coker 6847 × Hagood	
SC92-3091	Hagood × Coker 6738	
SC92-902	Brim × Coker 82-622	
SC93-2082	Coker 6738 × G83-198	
SC93-3091	Hagood × Coker 6738	
SC95-96	BARC-8 × Md 87L-1320	
Sharkey (D79-6162)	Tracy × Centennial	
Sherman (Exp. HW8067)	A72-512 × Pe11a	
Shore (Exp. V69-156)	PI 80837 × Hood	

STRAIN	FEMALE PARENT X MALE PARENT	NOTES
Soyola (Exp. N93-132)	Brim x N87-2117-3 x Brim	
SS91-7138	Pioneer P9442 x Pioneer P9461	
SS94-7482	P9341 x S86-4499	
Stressland	HC80-1946 x Asgrow 3127	
TC02AXB-717	N94-7440 x N7101	
TCPPR-01-163	Dillon x Tamahikari	
TCPR01-139	Graham x Misuzu Diazu	
TN 93-87	TN85-55 x TN82-268	
TN01-056	TN93-88 x MD 4900	
TN02-06-RR	Md 94-5396 x TN95-53 x Monsanto-RR	
TN02-241	TN94-213 x MD94-5396	
TN4-86	Crawford x Bedford	
TN77-46	Forrest x Mitchell	
TN82-268	Essex x Bay x N73-520	
TN83-67	J74-45 x Mitchell	
TN84-87	V75-345 x S76-2229	
TN85-55	TN77-46 x Fayette	
TN90-03 (Rel. as TN4-94)	TN4-86 x TN84-87	
TN93-142-17	Hutcheson x TN85-55 x TN83-26	
TN93-87	TN85-55 x TN82-268	
TN93-88	TN85-55 x TN82-268	
TN93-99	is a registered germplasm (GP-280) in 2003 Crop Sci. 43:1137	
TN94-213	S85-1009 x Hutcheson	
TN95-268	Corde11 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

2006

Uniform Group IV-S nurseries were planted at 21 locations. Data were obtained from 19 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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5002T	Holladay X Manokin	
2. DK 4866	Commercial check	
3. AG 4403	Commercial check	
4. AG 4903	Commercial check	
5. MD 00-5326	Ky91-11114 x Croton 3.9	F5
6. MD 01-5866	K1364 x SS91-7138	F5
7. NCC01-153	TN94-213 x MD94-5396	
8. R00-1178F	A4715 X DP3478	
9. R00-1194F	A4715 X DP 3478	
10. R01-1017	HBK 4890 x R96-1083	
11. R01-1092	HBK 4890 x R96-1083	
12. R02-3263RR	HBK 4890 x 98602	
13. S0-007RR	DK4762RR x P6	
14. S00-9912-56	S94-2086 x MD94-5334	
15. TN02-225	Fowler x Anand	
16. TN02-226	Fowler x Anand	
17. TN02-275	Fowler x Anand	
18. TN03-011RR	TN93-87 [4] x Monsanto RR	
19. TN03-012RR	TN93-87 [4] x Monsanto RR	

TABLE 2 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2006

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD			PROTEIN			OIL		
			2006	05-06	04-06	2006	05-06	04-06	2006	05-06	04-06
5002T	2	5	52.7	48.6	51.3	40.8	40.5	40.3	19.6	20.6	20.4
DK 4866	4	8	50.6	.	.	40.2	.	.	19.4	.	.
AG 4403	9	9	48.8	.	.	39.4	.	.	21.4	.	.
AG 4903	1	5	53.6	49.3	.	40.6	41.0	.	20.2	20.7	.
MD 00-5326	6	9	49.7	.	.	41.9	.	.	19.9	.	.
MD 01-5866	10	9	48.6	.	.	40.6	.	.	20.8	.	.
NCC01-153	18	14	41.9	.	.	40.8	.	.	18.8	.	.
R00-1178F	7	8	49.4	46.1	.	41.0	41.3	.	20.0	20.6	.
R00-1194F	8	9	48.8	47.0	.	40.6	40.6	.	19.8	20.4	.
R01-1017	17	15	42.1	41.8	.	40.0	40.3	.	20.1	20.9	.
R01-1092	16	14	42.1	41.2	.	40.7	41.0	.	19.5	19.9	.
R02-3263RR	13	12	46.9	.	.	38.4	.	.	20.2	.	.
S0-007RR	5	8	50.1	.	.	41.1	.	.	20.2	.	.
S00-9912-56	3	7	52.0	.	.	41.7	.	.	18.3	.	.
TN02-225	14	12	46.2	.	.	41.0	.	.	19.4	.	.
TN02-226	19	16	37.0	38.9	.	38.8	39.0	.	19.1	19.7	.
TN02-275	12	9	47.8	.	.	38.3	.	.	20.2	.	.
TN03-011RR	15	13	45.7	.	.	39.0	.	.	19.6	.	.
TN03-012RR	11	10	48.5	.	.	38.9	.	.	19.9	.	.

Data not included in mean: 2006 - Bossier City, LA
2005 - Orange, VA; Pine Tree, AR; Prosper, TX; Springfield, TN; Ullin, IL
2004 - Prosper, TX; Queenstown, MD; Springfield, TN

TABLE 2 ~ Continued

BOTANICAL TRAITS					
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE
5002T	10/05	2.0	27	2.0	14.9
DK 4866	3-	1.6	33	2.4	14.3
AG 4403	8-	1.5	33	2.3	12.7
AG 4903	1-	1.6	33	2.1	14.8
MD 00-5326	2+	1.6	33	2.4	14.2
MD 01-5866	1-	1.5	24	2.1	14.8
NCC01-153	1-	1.5	24	1.8	13.1
R00-1178F	0	1.8	36	2.2	14.5
R00-1194F	0	1.6	30	2.1	13.5
R01-1017	6-	1.8	31	2.2	15.7
R01-1092	4-	1.4	22	2.1	13.6
R02-3263RR	2-	1.6	35	2.0	13.9
S0-007RR	3-	2.1	39	2.1	13.8
S00-9912-56	1-	2.6	32	2.0	11.9
TN02-225	3+	1.6	23	1.9	13.8
TN02-226	2+	1.5	22	2.1	13.7
TN02-275	4+	1.5	26	2.0	14.6
TN03-011RR	2+	2.3	31	2.0	13.4
TN03-012RR	0	2.1	28	1.9	12.7

TABLE 2 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SRK	PRK	SMV	SMV	SC	SC	SDS	SDS
	1.2.5.7	7	1.3.5.6.7								
5002T	5	5	5	5.0	3.0	R	SEG	R	1	2	2
DK 4866	5	5	5	5.0	4.8	S	S	S	5	14	14
AG 4403	5	5	5	5.0	4.5	S	SEG	MS	4	25	9
AG 4903	5	5	5	5.0	2.0	S	S	MS	4	8	11
MD 00-5326	5	5	5	5.0	4.3	S	SEG	R	1	12	11
MD 01-5866	3	1	5	5.0	3.8	SEG	S	R	1	0	9
NCC01-153	5	5	5	5.0	5.0	S	S	R	1	2	7
R00-1178F	5	5	5	5.0	4.3	S	S	R	1	6	19
R00-1194F	5	3	2	5.0	4.3	S	S	R	1	2	5
R01-1017	4	5	5	5.0	3.0	SEG	SEG	R	1	8	12
R01-1092	5	5	5	5.0	4.5	S	S	R	1	2	1
R02-3263RR	5	5	4	5.0	4.8	SEG	R	R	1	12	9
S0-007RR	5	5	5	5.0	3.8	S	S	R	1	16	22
S00-9912-56	3	4	2	4.8	4.0	SEG	SEG	R	1	1	5
TN02-225	1	1	1	5.0	5.0	S	S	R	1	1	5
TN02-226	1	1	1	5.0	5.0	S	SEG	R	1	0	8
TN02-275	4	4	1	5.0	4.8	S	SEG	R	1	0	1
TN03-011RR	5	3	3	5.0	5.0	SEG	SEG	R	1	2	7
TN03-012RR	5	2	2	5.0	5.0	S	S	R	1	3	4

TABLE 3 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2006

STRAIN/ VARIETY	EAST				MEAN
	GEORGETOWN DE	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
5002T	42.5	53.8	27.5	50.1	43.5
DK 4866	50.3	54.3	23.1	48.2	44.0
AG 4403	54.7	54.3	22.1	41.3	43.1
AG 4903	66.1	56.9	27.7	48.3	49.8
MD 00-5326	55.2	53.2	25.0	43.0	44.1
MD 01-5866	51.1	57.6	30.0	49.0	46.9
NCC01-153	30.3	58.9	20.0	41.1	37.6
R00-1178F	56.6	52.6	23.2	50.4	45.7
R00-1194F	24.4	55.2	21.2	48.3	37.3
R01-1017	27.6	36.5	30.4	43.1	34.4
R01-1092	31.3	53.0	21.4	42.5	37.0
R02-3263RR	47.4	47.7	17.4	40.1	38.1
S0-007RR	58.2	53.7	27.3	50.6	47.5
S00-9912-56	58.1	56.1	33.7	45.1	48.3
TN02-225	39.3	56.5	28.5	43.9	42.1
TN02-226	21.6	.	34.9	41.6	32.7
TN02-275	37.5	61.9	22.6	49.3	42.8
TN03-011RR	48.1	49.7	20.1	42.7	40.1
TN03-012RR	62.4	50.5	23.7	41.4	44.5
L.S.D. (0.05)	14.0	6.2	5.0	5.9	.
C.V. (%)	14.7	7.0	11.9	7.9	.

TABLE 3 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	ALEXANDRIA LA	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5002T	45.2	52.0	81.5	50.2	56.3	65.6	58.5
DK 4866	38.4	47.9	89.5	37.4	54.1	61.8	54.8
AG 4403	39.7	32.8	83.9	33.3	56.7	62.1	51.4
AG 4903	35.4	47.4	86.6	43.8	56.2	65.2	55.8
MD 00-5326	33.6	46.2	89.5	42.8	46.2	61.8	53.3
MD 01-5866	39.1	44.7	75.1	45.8	56.4	67.3	54.7
NCC01-153	33.7	46.1	73.0	37.6	55.3	56.1	50.3
R00-1178F	35.8	31.6	82.7	48.1	57.3	57.2	52.1
R00-1194F	33.5	41.7	86.9	39.6	55.4	61.4	53.1
R01-1017	40.0	39.1	72.4	30.2	50.4	50.2	47.0
R01-1092	38.8	36.3	74.9	42.8	59.0	48.0	50.0
R02-3263RR	32.7	48.1	81.5	39.2	49.1	54.7	50.9
S0-007RR	40.9	40.1	80.3	43.8	53.0	61.8	53.3
S00-9912-56	33.7	56.3	76.4	52.8	52.6	60.8	55.4
TN02-225	30.5	50.2	78.5	39.1	52.5	61.2	52.0
TN02-226	26.8	54.4	74.9	33.9	45.5	38.8	45.7
TN02-275	27.7	54.0	82.9	44.1	51.2	66.9	54.5
TN03-011RR	26.2	50.1	80.0	42.4	49.5	57.7	51.0
TN03-012RR	28.6	50.5	78.8	42.2	50.9	58.8	51.6
L.S.D. (0.05)	4.0	10.1	7.8	6.5	7.7	7.3	.
C.V. (%)	5.5	13.2	5.9	9.4	8.8	7.5	.

TABLE 3 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS(A)	MEAN
5002T	76.1	58.5	72.9	68.1	57.6	66.7
DK 4866	70.3	66.2	72.9	65.4	57.7	66.5
AG 4403	73.4	63.1	77.4	60.1	53.5	65.5
AG 4903	81.5	67.0	80.0	68.5	53.0	70.0
MD 00-5326	70.2	62.8	65.1	64.2	55.3	63.5
MD 01-5866	66.0	48.6	54.7	59.5	52.3	56.2
NCC01-153	69.7	35.9	38.3	47.4	39.6	46.2
R00-1178F	67.3	57.4	79.6	61.2	42.7	61.7
R00-1194F	76.7	65.4	71.0	63.5	51.4	65.6
R01-1017	58.6	50.7	62.5	57.6	39.5	53.8
R01-1092	47.4	42.6	52.1	54.3	44.1	48.1
R02-3263RR	64.7	60.7	71.0	67.8	46.2	62.1
S0-007RR	73.4	66.5	75.1	56.4	42.0	62.7
S00-9912-56	63.6	58.2	74.8	63.1	63.3	64.6
TN02-225	64.5	51.4	61.7	59.3	45.6	56.5
TN02-226	25.4	36.8	49.1	39.1	39.8	38.0
TN02-275	61.9	53.5	57.3	60.8	49.4	56.6
TN03-011RR	70.2	51.6	58.8	59.0	44.4	56.8
TN03-012RR	80.0	53.4	60.3	61.3	50.4	61.1
L.S.D. (0.05)	11.9	5.2	6.7	12.1	10.1	.
C.V. (%)	10.8	5.7	6.3	12.2	12.5	.

TABLE 3 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5002T	33.7	37.8	19.0	38.8	30.5
DK 4866	22.6	30.3	16.7	33.8	24.4
AG 4403	21.2	16.0	17.1	30.8	23.0
AG 4903	27.1	32.5	16.4	37.6	27.0
MD 00-5326	27.1	29.1	14.3	39.2	26.8
MD 01-5866	26.3	24.2	15.6	35.4	25.7
NCC01-153	21.1	8.7	16.3	34.0	23.8
R00-1178F	31.2	28.9	19.0	35.9	28.7
R00-1194F	29.0	23.2	15.9	37.7	27.6
R01-1017	20.1	20.7	14.9	33.1	22.7
R01-1092	22.1	20.5	14.9	32.3	23.1
R02-3263RR	25.6	18.7	16.1	34.4	25.4
S0-007RR	24.8	21.8	18.7	35.8	26.5
S00-9912-56	33.7	32.5	18.0	36.3	29.3
TN02-225	21.2	18.2	13.1	35.1	23.1
TN02-226	19.0	13.3	13.1	35.1	22.4
TN02-275	26.4	28.3	17.9	35.2	26.5
TN03-011RR	26.8	27.6	13.7	32.6	24.4
TN03-012RR	29.5	26.5	16.7	34.0	26.7
L.S.D. (0.05)	2.9	12.0	2.7	4.3	.
C.V. (%)	6.7	29.5	10.0	7.4	.

Data not included in mean

TABLE 4 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2006

OIL PERCENTAGES

STRAIN/ VARIETY	BOSSIER		KNOXVILLE TN	ORANGE VA	PINE		PLYMOUTH NC	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA			TREE AR	PITTSBURG KS								
5002T	18.8	.	21.2	19.6	.	19.5	19.7	21.7	.	19.3	18.5	19.9	18.2	19.6
DK 4866	19.7	.	20.7	19.1	.	19.5	18.7	19.9	.	19.5	18.9	20.1	17.7	19.4
AG 4403	19.4	.	24.4	21.8	.	20.1	21.8	22.3	.	20.6	21.0	22.2	20.1	21.4
AG 4903	19.6	.	20.4	20.8	.	20.2	19.0	20.8	.	20.5	20.4	21.1	18.7	20.2
MD 00-5326	18.9	.	21.3	19.9	.	20.4	19.3	19.7	.	20.8	19.8	20.0	19.0	19.9
MD 01-5866	19.9	.	21.3	20.8	.	21.2	21.5	20.1	.	21.0	20.3	22.4	19.6	20.8
NCC01-153	17.4	.	20.2	19.9	.	18.7	18.1	18.8	.	20.0	17.7	19.2	17.6	18.8
R00-1178F	17.6	.	22.2	20.0	.	19.7	20.2	21.1	.	21.0	19.8	20.0	18.2	20.0
R00-1194F	19.6	.	20.4	19.4	.	20.7	19.5	19.9	.	20.2	19.7	20.3	18.3	19.8
R01-1017	18.3	.	21.3	21.5	.	19.6	21.1	21.4	.	19.8	19.4	19.8	19.0	20.1
R01-1092	18.7	.	21.0	21.0	.	20.7	18.7	19.3	.	18.6	19.3	19.7	18.1	19.5
R02-3263RR	18.2	.	21.8	20.2	.	20.1	20.9	21.7	.	20.7	19.8	20.3	18.6	20.2
S0-007RR	18.6	.	22.1	21.0	.	19.4	20.6	20.9	.	19.9	19.6	20.3	19.1	20.2
S00-9912-56	18.4	.	20.1	18.5	.	18.4	18.0	17.7	.	18.9	17.6	18.3	17.3	18.3
TN02-225	19.8	.	20.6	19.7	.	19.9	18.3	19.7	.	19.6	18.4	19.8	18.0	19.4
TN02-226	19.5	.	20.4	20.2	.	19.9	19.0	17.6	.	19.1	18.4	19.4	17.9	19.1
TN02-275	19.9	.	21.1	20.0	.	19.7	20.7	20.9	.	21.0	19.7	20.5	18.1	20.2
TN03-011RR	19.7	.	20.0	19.0	.	18.8	19.6	20.0	.	20.4	19.9	20.0	18.1	19.6
TN03-012RR	19.5	.	21.5	19.7	.	19.7	19.7	19.7	.	20.5	20.2	20.0	18.2	19.9

TABLE 4 ~Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	BOSSIER			PINE					PORTAGEVILLE MO(B)	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA	KNOXVILLE TN	ORANGE VA	TREE AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO(A)						
5002T	41.1	.	43.5	38.4	.	38.7	41.4	41.1	.	39.4	41.1	41.5	41.9	40.8
DK 4866	39.9	.	41.7	40.5	.	39.9	40.9	40.1	.	38.6	39.4	39.5	41.9	40.2
AG 4403	40.0	.	39.7	38.5	.	40.8	39.0	38.6	.	40.1	37.7	39.7	40.3	39.4
AG 4903	41.3	.	43.3	38.9	.	39.4	41.3	41.3	.	39.1	39.0	40.2	41.8	40.6
MD 00-5326	41.5	.	43.9	40.4	.	41.0	45.3	39.4	.	41.6	41.2	42.3	42.6	41.9
MD 01-5866	41.0	.	43.1	40.7	.	38.4	42.3	39.5	.	39.9	39.3	40.4	41.0	40.6
NCC01-153	41.7	.	42.5	38.4	.	39.5	41.0	41.2	.	38.0	41.7	41.9	42.0	40.8
R00-1178F	42.0	.	44.1	40.6	.	39.5	42.3	40.9	.	38.6	39.4	41.4	41.5	41.0
R00-1194F	41.0	.	42.6	40.8	.	38.8	42.4	40.8	.	38.1	39.3	40.5	41.7	40.6
R01-1017	42.1	.	40.9	37.3	.	39.2	38.0	40.3	.	39.8	39.5	41.7	41.2	40.0
R01-1092	42.3	.	41.0	38.2	.	38.7	40.8	41.4	.	41.0	39.9	41.3	42.4	40.7
R02-3263RR	39.3	.	39.7	37.3	.	37.2	36.6	37.8	.	37.7	37.7	39.6	40.7	38.4
S0-007RR	42.6	.	41.6	39.3	.	40.6	41.2	41.4	.	40.9	40.0	41.4	41.5	41.1
S00-9912-56	41.9	.	43.5	41.3	.	39.9	42.1	43.1	.	39.4	42.0	41.6	42.6	41.7
TN02-225	42.2	.	42.4	39.0	.	39.5	43.0	41.7	.	38.4	40.7	41.5	41.4	41.0
TN02-226	39.1	.	40.8	36.0	.	36.8	39.5	43.4	.	36.6	37.1	39.5	38.7	38.8
TN02-275	38.9	.	40.1	37.5	.	37.4	37.7	38.6	.	35.4	37.7	40.0	39.2	38.3
TN03-011RR	37.9	.	40.6	37.9	.	38.2	40.7	40.1	.	37.2	37.7	39.5	39.9	39.0
TN03-012RR	40.6	.	39.5	37.8	.	37.3	40.5	40.7	.	37.5	35.9	39.6	39.2	38.9

TABLE 4 ~Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	BOSSIER			PINE				PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
	BIXBY OK	CITY LA	KNOXVILLE TN	ORANGE VA	TREE AR	PITTSBURG KS	PLYMOUTH NC							
5002T	17.2	15.0	18.3	8.8	16.7	15.3	15.1	12.5	15.1	14.3	13.8	16.4	14.9	14.9
DK 4866	17.6	15.7	16.6	8.5	14.6	17.3	14.2	11.2	14.6	11.7	14.2	14.4	16.7	14.3
AG 4403	15.6	14.2	13.4	5.7	13.9	15.0	12.5	10.4	14.1	11.4	13.4	13.0	14.1	12.7
AG 4903	18.6	15.8	17.9	8.5	15.1	16.5	15.2	11.4	14.2	12.1	14.7	15.6	17.2	14.8
MD 00-5326	20.8	14.6	15.8	6.7	14.8	14.9	16.3	10.8	14.2	11.7	14.3	13.9	15.9	14.2
MD 01-5866	19.4	14.9	18.3	8.4	16.2	16.1	16.1	9.7	14.0	12.5	14.7	15.5	16.1	14.8
NCC01-153	16.6	14.2	16.0	6.6	15.6	14.3	14.1	9.6	12.2	11.2	12.1	14.9	13.5	13.1
R00-1178F	19.1	16.2	16.5	8.2	15.4	17.6	15.7	11.0	14.1	11.9	14.1	15.3	15.2	14.5
R00-1194F	17.5	14.3	15.5	7.1	14.4	16.0	14.3	10.5	13.4	12.5	12.8	14.1	13.9	13.5
R01-1017	18.4	18.9	17.9	8.3	15.8	17.8	15.9	13.5	16.7	15.2	15.2	16.4	17.1	15.7
R01-1092	18.9	16.6	16.0	6.4	15.0	16.0	14.7	11.0	12.9	11.1	12.8	14.6	14.1	13.6
R02-3263RR	17.8	14.6	16.9	6.4	15.4	15.9	14.2	11.4	13.9	12.4	13.0	14.5	14.3	13.9
S0-007RR	17.8	13.6	14.9	7.3	13.6	15.8	14.3	11.0	14.7	12.3	14.5	15.1	14.8	13.8
S00-9912-56	17.3	11.4	15.7	6.3	11.8	13.9	11.8	9.3	10.4	11.0	11.6	12.0	11.9	11.9
TN02-225	16.7	13.3	14.7	7.3	16.1	14.5	16.6	10.8	12.8	12.1	13.8	15.2	15.1	13.8
TN02-226	16.8	12.8	16.7	7.1	16.2	14.8	16.7	9.3	11.1	12.9	12.1	16.1	14.6	13.7
TN02-275	16.8	13.8	19.0	8.9	15.6	14.9	17.1	11.9	11.5	12.8	14.2	16.0	15.8	14.6
TN03-011RR	16.6	12.4	16.7	10.0	13.2	14.7	15.2	10.6	10.8	12.2	12.9	14.7	13.5	13.4
TN03-012RR	18.0	12.1	15.0	8.2	13.3	15.0	13.6	9.8	10.3	10.4	11.6	13.8	12.8	12.7

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, 2006

STRAIN/ VARIETY	EAST				MEAN
	GEORGETOWN DE	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
5002T	10/08	10/08	10/18	10/17	10/13
DK 4866	0	3	-3	0	0
AG 4403	-4	0	-5	-9	-5
AG 4903	4	5	-2	3	2
MD 00-5326	8	11	-1	1	4
MD 01-5866	-1	3	2	1	1
NCC01-153	3	3	-5	0	0
R00-1178F	4	7	-3	1	2
R00-1194F	3	7	-4	2	2
R01-1017	-2	-1	-6	-1	-3
R01-1092	-5	-1	-6	-3	-4
R02-3263RR	-2	3	-4	-2	-2
S0-007RR	1	3	-2	-1	0
S00-9912-56	2	2	2	1	2
TN02-225	9	8	4	1	5
TN02-226	3	8	3	3	4
TN02-275	8	11	3	3	6
TN03-011RR	4	7	-2	4	3
TN03-012RR	3	5	-2	4	2

TABLE 5 ~ Continued

STRAIN/ VARIETY	SOUTH						MEAN
	ALEXANDRIA LA	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5002T	.	10/06	10/14	10/16	.	10/07	10/11
DK 4866	.	-12	-5	-2	.	-4	-6
AG 4403	.	-22	-10	-13	.	-7	-13
AG 4903	.	-1	-5	0	.	-2	-2
MD 00-5326	.	-1	-3	0	.	1	-1
MD 01-5866	.	-6	-5	0	.	-2	-3
NCC01-153	.	-8	2	0	.	0	-2
R00-1178F	.	-11	-3	0	.	2	-3
R00-1194F	.	-4	-3	0	.	3	-1
R01-1017	.	-18	-5	-9	.	-7	-10
R01-1092	.	-14	-5	-6	.	-5	-8
R02-3263RR	.	-10	0	0	.	-2	-3
S0-007RR	.	-15	0	-2	.	-2	-5
S00-9912-56	.	-3	-3	0	.	-1	-2
TN02-225	.	-2	2	0	.	3	0
TN02-226	.	-4	0	0	.	3	-1
TN02-275	.	3	-3	0	.	4	1
TN03-011RR	.	-1	0	0	.	2	0
TN03-012RR	.	-6	2	0	.	0	-1

TABLE 5 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS(A)	MEAN
5002T	09/28	09/21	09/24	09/22	09/26	09/24
DK 4866	-6	-3	-2	-1	-4	-3
AG 4403	-9	-6	-1	-8	-15	-8
AG 4903	-5	-1	1	-2	-4	-2
MD 00-5326	2	5	5	3	-1	3
MD 01-5866	2	-4	1	0	-2	-1
NCC01-153	-2	0	-1	-1	-3	-1
R00-1178F	-1	0	3	-1	-3	0
R00-1194F	-3	0	2	-1	-2	-1
R01-1017	-6	-4	0	-4	-12	-5
R01-1092	-4	-3	-2	0	-3	-2
R02-3263RR	-5	-1	5	-2	-3	-1
S0-007RR	-8	-1	-1	-2	-4	-3
S00-9912-56	-1	-2	-1	-2	-2	-1
TN02-225	4	1	2	2	2	2
TN02-226	4	-2	0	2	2	1
TN02-275	5	2	3	2	4	3
TN03-011RR	3	-1	2	2	0	1
TN03-012RR	1	-2	1	0	-3	0

NOTE: No maturity data was received for any of the locations in the West area.

TABLE 6 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2006

STRAIN/ VARIETY	EAST				MEAN
	GEORGETOWN DE	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
5002T	29	30	18	28	26
DK 4866	32	41	22	26	30
AG 4403	32	36	21	30	30
AG 4903	33	38	22	25	29
MD 00-5326	34	40	22	26	30
MD 01-5866	25	25	19	22	23
NCC01-153	24	25	17	23	22
R00-1178F	34	44	24	32	34
R00-1194F	24	36	21	25	27
R01-1017	30	33	23	26	28
R01-1092	21	24	17	21	21
R02-3263RR	35	40	20	30	31
S0-007RR	34	44	25	39	35
S00-9912-56	30	36	24	34	31
TN02-225	20	25	19	22	21
TN02-226	22	21	18	20	20
TN02-275	25	24	19	23	23
TN03-011RR	34	35	24	31	31
TN03-012RR	22	31	22	27	25

TABLE 6 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	ALEXANDRIA LA	KNOXVILLE TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5002T	21	28	32	36	29	29
DK 4866	36	29	34	42	43	37
AG 4403	38	27	34	42	40	36
AG 4903	37	27	37	44	42	37
MD 00-5326	40	31	38	45	43	39
MD 01-5866	20	24	29	32	27	26
NCC01-153	15	24	30	38	32	28
R00-1178F	39	29	40	50	45	41
R00-1194F	34	26	34	43	38	35
R01-1017	35	30	31	47	39	36
R01-1092	17	20	31	35	25	26
R02-3263RR	44	33	37	49	40	41
S0-007RR	44	35	43	51	47	44
S00-9912-56	29	33	37	42	33	35
TN02-225	17	27	30	34	30	27
TN02-226	14	22	28	31	25	24
TN02-275	20	27	33	37	29	29
TN03-011RR	25	31	39	42	38	35
TN03-012RR	28	28	34	40	31	32

TABLE 6 ~ Continued

STRAIN/ VARIETY	DELTA			MEAN
	PINE TREE AR	ROHWER AR	STONEVILLE MS(A)	
5002T	26	27	26	26
DK 4866	38	40	38	39
AG 4403	40	37	38	38
AG 4903	38	40	38	39
MD 00-5326	38	39	32	36
MD 01-5866	22	23	22	22
NCC01-153	27	22	18	22
R00-1178F	40	40	34	38
R00-1194F	34	35	34	34
R01-1017	34	37	30	34
R01-1092	20	20	18	19
R02-3263RR	41	41	34	39
S0-007RR	43	43	40	42
S00-9912-56	29	34	32	32
TN02-225	22	23	18	21
TN02-226	19	22	18	20
TN02-275	21	24	28	24
TN03-011RR	25	29	30	28
TN03-012RR	32	29	24	28

TABLE 6 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5002T	20	21	25	36	27
DK 4866	22	32	21	29	24
AG 4403	20	31	23	31	25
AG 4903	25	29	21	31	26
MD 00-5326	22	32	21	31	25
MD 01-5866	18	19	20	28	22
NCC01-153	17	19	20	31	23
R00-1178F	22	34	28	35	29
R00-1194F	20	26	20	31	24
R01-1017	21	30	23	33	26
R01-1092	16	18	18	32	22
R02-3263RR	23	34	20	35	26
S0-007RR	26	32	31	39	32
S00-9912-56	21	30	27	37	28
TN02-225	14	18	17	30	20
TN02-226	16	16	20	29	21
TN02-275	19	21	22	33	25
TN03-011RR	20	23	26	39	28
TN03-012RR	21	22	24	35	27

**TABLE 7 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S,
2006**

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
5002T	2.0	1.3	3.1	2.1
DK 4866	2.5	1.0	1.3	1.6
AG 4403	2.0	1.2	1.5	1.6
AG 4903	1.8	1.0	1.3	1.4
MD 00-5326	2.3	1.0	1.2	1.5
MD 01-5866	1.5	1.5	1.3	1.4
NCC01-153	1.5	1.5	1.3	1.4
R00-1178F	2.7	1.2	1.7	1.8
R00-1194F	2.2	1.2	1.4	1.6
R01-1017	2.8	1.5	1.7	2.0
R01-1092	1.8	1.5	1.2	1.5
R02-3263RR	2.3	1.2	1.3	1.6
S0-007RR	2.3	1.5	2.4	2.1
S00-9912-56	2.0	1.7	3.6	2.4
TN02-225	1.5	1.3	1.3	1.4
TN02-226	1.5	1.2	1.4	1.4
TN02-275	1.5	1.0	1.2	1.2
TN03-011RR	2.8	2.2	3.4	2.8
TN03-012RR	2.3	2.0	3.3	2.5

TABLE 7 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	ALEXANDRIA LA	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	
5002T	1.0	3.0	2.0	2.3	2.0	2.1
DK 4866	1.0	2.3	1.3	1.0	2.0	1.5
AG 4403	1.0	1.8	1.3	1.0	2.0	1.4
AG 4903	1.0	2.3	1.7	1.0	2.0	1.6
MD 00-5326	1.1	2.5	1.7	1.0	1.7	1.6
MD 01-5866	1.0	2.0	1.0	2.0	2.0	1.6
NCC01-153	1.1	1.8	1.0	2.0	2.0	1.6
R00-1178F	1.2	2.0	1.7	1.7	2.2	1.7
R00-1194F	1.1	2.2	1.0	1.3	2.0	1.5
R01-1017	1.0	2.3	1.7	1.7	2.0	1.7
R01-1092	1.0	1.8	1.0	1.3	1.8	1.4
R02-3263RR	1.0	2.3	1.7	1.3	2.2	1.7
S0-007RR	1.6	2.5	2.0	2.0	2.5	2.1
S00-9912-56	1.4	5.0	3.0	3.0	3.5	3.2
TN02-225	1.0	2.2	1.7	2.0	2.0	1.8
TN02-226	1.2	2.2	1.3	2.0	2.0	1.7
TN02-275	1.1	2.2	1.0	2.0	2.2	1.7
TN03-011RR	1.0	3.0	3.0	2.7	2.8	2.5
TN03-012RR	1.0	2.2	2.7	2.0	3.0	2.2

TABLE 7 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	STONEVILLE MS(A)	
5002T	1.8	2.0	1.9
DK 4866	2.7	2.0	2.3
AG 4403	1.7	2.0	1.8
AG 4903	2.7	2.0	2.3
MD 00-5326	2.7	2.0	2.3
MD 01-5866	1.2	2.0	1.6
NCC01-153	1.8	2.0	1.9
R00-1178F	3.0	3.0	3.0
R00-1194F	2.2	3.0	2.6
R01-1017	1.8	3.0	2.4
R01-1092	1.2	2.0	1.6
R02-3263RR	2.2	2.0	2.1
S0-007RR	2.8	3.0	2.9
S00-9912-56	2.2	2.0	2.1
TN02-225	1.7	2.0	1.8
TN02-226	1.6	2.0	1.8
TN02-275	1.5	2.0	1.8
TN03-011RR	2.0	2.0	2.0
TN03-012RR	2.2	2.0	2.1

TABLE 7 ~ Continued

STRAIN/ VARIETY	WEST			MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5002T	1.0	1.0	2.0	1.5
DK 4866	2.0	1.0	1.0	1.0
AG 4403	1.0	1.0	1.0	1.0
AG 4903	1.7	1.0	1.0	1.0
MD 00-5326	1.0	1.0	1.0	1.0
MD 01-5866	1.0	1.0	1.0	1.0
NCC01-153	1.3	1.0	1.0	1.0
R00-1178F	2.0	1.0	1.0	1.0
R00-1194F	1.3	1.0	1.0	1.0
R01-1017	1.0	1.0	1.0	1.0
R01-1092	1.0	1.0	1.0	1.0
R02-3263RR	1.3	1.0	1.0	1.0
S0-007RR	1.7	1.0	1.0	1.0
S00-9912-56	2.0	1.0	2.3	1.7
TN02-225	1.0	1.0	1.0	1.0
TN02-226	1.0	1.0	1.0	1.0
TN02-275	1.0	1.0	1.0	1.0
TN03-011RR	1.3	1.0	2.0	1.5
TN03-012RR	2.0	1.0	1.3	1.2

Data not included in mean

TABLE 8 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2006

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
5002T	1.0	1.2	1.9	1.3
DK 4866	1.2	1.5	2.1	1.6
AG 4403	1.0	1.3	1.7	1.3
AG 4903	1.3	1.3	1.7	1.4
MD 00-5326	1.7	2.2	2.1	2.0
MD 01-5866	1.2	1.5	1.8	1.5
NCC01-153	1.0	1.0	1.6	1.2
R00-1178F	1.3	2.0	1.7	1.7
R00-1194F	1.2	2.0	1.8	1.6
R01-1017	1.3	2.0	2.4	1.9
R01-1092	1.3	1.8	1.7	1.6
R02-3263RR	1.2	1.5	1.5	1.4
S0-007RR	1.2	2.0	1.6	1.6
S00-9912-56	1.3	1.8	1.9	1.7
TN02-225	1.3	2.0	1.8	1.7
TN02-226	1.5	2.0	1.8	1.8
TN02-275	1.2	2.0	1.7	1.6
TN03-011RR	1.5	1.3	1.6	1.5
TN03-012RR	1.2	1.3	1.6	1.4

TABLE 8 ~ Continued

STRAIN/ VARIETY	SOUTH				MEAN
	KNOXVILLE TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5002T	3.0	1.0	2.0	2.3	2.1
DK 4866	4.0	2.0	2.0	2.3	2.6
AG 4403	4.0	1.3	2.0	2.0	2.3
AG 4903	3.0	1.3	1.0	2.0	1.8
MD 00-5326	5.0	1.3	2.0	1.3	2.4
MD 01-5866	3.0	1.0	2.0	2.0	2.0
NCC01-153	2.0	1.3	1.0	1.3	1.4
R00-1178F	5.0	1.0	1.0	1.7	2.2
R00-1194F	3.0	1.3	1.0	2.0	1.8
R01-1017	2.0	1.0	2.0	3.0	2.0
R01-1092	2.0	1.3	2.0	2.3	1.9
R02-3263RR	2.0	1.3	1.0	2.0	1.6
S0-007RR	3.0	1.0	2.0	2.0	2.0
S00-9912-56	3.0	1.0	1.0	1.0	1.5
TN02-225	2.0	1.0	2.0	1.7	1.7
TN02-226	3.0	1.0	2.0	1.3	1.8
TN02-275	2.0	1.0	1.0	2.0	1.5
TN03-011RR	2.0	1.7	1.0	1.7	1.6
TN03-012RR	2.0	1.3	1.0	1.7	1.5

TABLE 8 ~ Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS(A)	
5002T	2.2	3.0	3.0	2.0	2.5
DK 4866	2.8	3.0	4.0	2.0	3.0
AG 4403	2.8	3.0	4.0	2.0	3.0
AG 4903	3.3	3.0	4.0	2.0	3.1
MD 00-5326	3.2	3.0	4.0	2.0	3.0
MD 01-5866	2.7	3.0	4.0	2.0	2.9
NCC01-153	2.7	3.0	4.0	2.0	2.9
R00-1178F	2.7	3.0	4.0	2.0	2.9
R00-1194F	2.8	3.0	4.0	2.0	2.9
R01-1017	3.0	3.0	4.0	2.0	3.0
R01-1092	3.0	3.0	4.0	2.0	3.0
R02-3263RR	3.3	3.0	4.0	2.0	3.1
S0-007RR	2.7	3.0	4.0	2.0	2.9
S00-9912-56	2.3	3.0	4.0	2.0	2.8
TN02-225	2.5	3.0	3.0	2.0	2.6
TN02-226	2.5	3.0	4.0	2.0	2.9
TN02-275	3.0	3.0	4.0	2.0	3.0
TN03-011RR	2.8	3.0	4.0	2.0	3.0
TN03-012RR	3.0	3.0	4.0	2.0	3.0

TABLE 8 ~ Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY LA	PITTSBURG KS	
5002T	2.2	2.0	2.0
DK 4866	2.7	2.0	2.0
AG 4403	2.7	2.0	2.0
AG 4903	2.3	1.0	1.0
MD 00-5326	2.0	1.0	1.0
MD 01-5866	1.8	1.0	1.0
NCC01-153	1.7	1.0	1.0
R00-1178F	2.5	1.0	1.0
R00-1194F	1.8	1.0	1.0
R01-1017	2.5	1.0	1.0
R01-1092	2.3	1.0	1.0
R02-3263RR	2.7	1.0	1.0
S0-007RR	1.8	1.0	1.0
S00-9912-56	2.0	1.0	1.0
TN02-225	2.2	1.0	1.0
TN02-226	2.2	1.0	1.0
TN02-275	2.2	1.0	1.0
TN03-011RR	1.8	1.0	1.0
TN03-012RR	1.7	1.0	1.0

Data not included in mean

PRELIMINARY GROUP IV-S EARLY

2006

Preliminary Group IV-S Early (Relative Maturity 4.0-4.5) nurseries were planted at 13 locations. Data were obtained from 11 of the locations. The parentage for each strain is reported in Table 9. Table 10 gives a general summary of information for each strain including seed yield, oil, and protein, percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 11 - 17.

**TABLE 9 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S
EARLY, 2006**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. AG 4201	Commercial check	
2. AG 4403	Commercial check	
3. AG 3906	Commercial check	
4. LD00-3309	Maverick X Dwight	
5. DS-97-94-9	{Hartwigx[Linfordx(PI437654 x Ripley)]}x[Hartwig]	
6. DS-LG01-5087	LN93-11632 x LG96-1713	
7. MD 02-651RR	HS 93-4118 x [Corsica(2)xRR]	F5
8. MD 0304 WN 79	N97-3363-3Tn24 x Md 00-FAF2RW11-2	F5
9. MD 03-5435	LS 92-4173 x Md 95-5358	F5
10. MD 03-5759	BARC-7 x CX 1834-1-2	F5
11. MD 03-5842	BARC-7 x CX 1834-1-2	F5
12. S03-2114	SS94-7482 x SG 468 RR-1-CYST02	
13. S04-3940	U98-311442 X SG4820RR	
14. S04-5969	S99-2281 X F1-00-111	
15. S04-5997	K1525 X F1-00-111	
16. S04-6001	K1525 X F1-00-111	
17. S04-6008	K1525 X F1-00-111	
18. TN03-235	TV5797 x TN 4-94	
19. TN04-509RR	TN96-63 x (Fowler x TN93-87RR)	
20. TN05-4008	LG97-9015 x HS93-4118	
21. V02-7180	V92-0847 x LG90-2550	
22. V02-8655	Stressland x LG91-7350R	
23. V02-8657	Stressland x LG91-7350R	
24. V02-8659	Stressland x LG91-7350R	

TABLE 10 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006 ~ MEAN OF 11 LOCATIONS

STRAIN/ VARIETY	SEED		AVG. RANK	MAT. INDEX	LOGGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN HG TYPE		SCN HG TYPE			SC RATING	SC SCORE	FL COLOR
	YIELD	RANK							PROTEIN	OIL	1.2.5.7 2	7 3	1.3.5.6.7 14	14	14			
AG 4201	48.7	5	12	09/23	1.6	30	2.6	15.4	41.6	20.2	4	1	3	R	1	W		
AG 4403	48.0	8	12	2+	1.5	33	2.4	13.0	39.0-	21.4+	5	5	5	MS	4	P		
AG 3906	47.3	11	12	2-	1.6	29	2.6	16.3	41.0	20.7	3	1	3	MR	2	P		
LD00-3309	46.2	12	13	5-	1.3	28	2.9	11.7	40.5	19.6	4	1	3	MR	2	P		
DS-97-94-9	37.7-	22	16	3+	1.9	20	2.2	11.1	39.0-	19.0-	1	1	1	R	1	W		
DS-LG01-5087	48.8	4	11	7+	2.7	36	2.5	13.9	39.3-	19.9	5	5	4	SS	3	P		
MD 02-651RR	43.2-	15	15	0	1.6	28	2.5	13.5	40.2-	20.2	5	5	4	R	1	W		
MD 0304 WN 79	32.4-	24	19	5+	1.6	25	2.4	13.7	44.0+	16.6-	5	5	4	R	1	W		
MD 03-5435	42.6-	17	14	1-	1.4	28	2.5	14.9	41.0	19.2-	4	5	3	R	1	P		
MD 03-5759	41.3-	21	15	2+	2.1	34	2.0	14.9	48.4+	15.3-	4	5	4	R	1	P		
MD 03-5842	32.9-	23	19	10-	1.4	26	3.2	15.1	50.2+	14.5-	5	5	5	R	1	P		
S03-2114	43.3-	14	14	2+	2.0	34	2.3	13.6	39.3-	20.2	5	5	4	R	1	P		
S04-3940	47.4	10	12	3+	2.0	29	2.7	14.5	38.8-	19.9	3	1	3	R	1	P		
S04-5969	49.0	2	11	1+	1.6	34	2.2	13.1	37.4-	21.8+	5	5	4	R	1	P		
S04-5997	48.5	6	12	2+	1.8	34	2.2	13.9	38.6-	21.2+	4	5	3	SS	3	P		
S04-6001	47.7	9	12	3+	1.9	33	2.3	13.3	38.5-	21.7+	5	5	3	SS	3	P		
S04-6008	48.8	4	11	3+	1.9	33	2.4	12.6	38.2-	21.9+	5	5	4	SS	3	P		
TN03-235	49.4	1	11	7+	1.8	23	1.9	14.7	40.7	18.7-	5	5	3	SS	3	P		
TN04-509RR	42.4-	19	14	2+	2.3	35	2.2	12.8	39.2-	19.3-	5	3	3	R	1	W		
TN05-4008	48.3	7	12	0	2.0	28	2.6	13.2	38.8-	20.2	5	4	4	R	1	W		
V02-7180	42.4-	19	15	4-	1.6	28	2.9	14.1	41.0	19.4-	5	5	3	SS	3	W		
V02-8655	43.3-	14	15	6-	2.3	30	3.0	12.9	42.4	20.9	5	5	4	R	1	P		
V02-8657	42.2-	20	15	5-	2.3	31	2.9	12.5	42.8	20.3	4	5	4	R	1	P		
V02-8659	43.0-	16	15	5-	2.2	31	2.7	12.8	42.6	20.4	5	5	4	R	1	P		
OVERALL MEAN	44.4								40.9	19.7								
LSD (.05)	4.7								1.3	0.8								
C.V.	13%								3%	4%								

TABLE 11 ~ SEED YIELD, IN BUSHEL PER ACRE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOXVILLE TN	MILAN TN	ORANGE VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	21.9	30.7	34.3	74.1	25.8	66.8	50.8	57.1	31.2	72.4	57.3	44.4	48.7
AG 4403	27.3+	31.0	27.8	80.9	31.8+	58.0	50.0	62.6	28.2	62.8-	52.2	46.5	48.0
AG 3906	24.6	25.2	30.7	82.8	28.7	62.2	49.7	54.0	32.1	58.6-	52.5	44.3	47.3
LD00-3309	22.8	22.6	25.3-	84.8	22.1	70.3	52.3	59.9	27.3	53.1-	46.8-	43.3	46.2
DS-97-94-9	26.8+	28.7	46.0+	62.7	35.8+	43.8-	32.9-	47.9	20.1-	27.2-	29.5-	42.0	37.7-
DS-LG01-5087	29.3+	27.5	41.0	79.4	37.2+	65.6	42.5-	56.4	32.5	59.7-	43.9-	48.8	48.8
MD 02-651RR	22.5	30.7	30.5	78.7	22.4	66.1	50.9	39.9-	26.0	53.7-	41.5-	43.5	43.2-
MD 0304 WN 79	15.7-	24.0	22.8-	46.2-	27.4	45.0-	29.2-	46.2	30.6	35.4-	26.5-	31.0-	32.4-
MD 03-5435	24.9	25.0	38.3	77.2	19.1-	53.7	42.3-	51.6	28.8	45.5-	40.4-	46.6	42.6-
MD 03-5759	23.7	28.7	33.1	62.6	29.6	53.9	37.1-	46.5	26.7	60.9-	42.1-	38.1-	41.3-
MD 03-5842	6.6-	25.0	24.7-	57.1-	13.8-	55.6	35.2-	44.6	28.7	38.5-	26.3-	30.4-	32.9-
S03-2114	20.2	33.3	35.9	73.2	28.7	56.4	37.7-	53.8	24.7-	63.6-	34.3-	47.8	43.3-
S04-3940	22.9	33.8	36.8	74.5	31.0	69.0	44.9	59.1	31.0	61.9-	41.3-	49.1+	47.4
S04-5969	25.3+	33.3	42.1	80.2	29.8	68.3	47.3	57.2	27.2	62.7-	49.2-	49.8+	49.0
S04-5997	22.4	31.1	40.2	84.0	34.6+	62.2	44.9	57.3	29.1	60.4-	48.5-	50.0+	48.5
S04-6001	25.7+	31.0	29.1	80.7	32.5+	71.2	46.4	55.8	26.2	61.5-	44.4-	51.4+	47.7
S04-6008	23.3	19.6-	43.8+	83.6	34.1+	70.2	45.5	54.7	29.1	58.9-	47.9-	46.3	48.8
TN03-235	24.2	32.2	46.3+	78.0	41.2+	70.5	46.8	53.2	23.1-	68.2	47.4-	44.1	49.4
TN04-509RR	27.1+	30.5	40.4	68.0	36.2+	62.7	33.7-	47.9	26.3	44.8-	35.6-	44.0	42.4-
TN05-4008	26.6+	34.6	32.7	84.2	24.5	71.3	48.6	57.3	31.0	59.7-	49.7-	45.8	48.3
V02-7180	18.5	12.2-	27.0	78.4	16.7-	64.6	41.5-	56.5	30.4	49.5-	.	40.9	42.4-
V02-8655	18.4-	25.7	32.5	74.8	26.8	74.3	40.4-	43.3	25.2-	58.1-	.	39.2-	43.3-
V02-8657	19.3	24.2	28.8	72.6	23.4	68.4	39.0-	59.5	23.5-	48.5-	.	39.3-	42.2-
V02-8659	19.9	23.4	30.0	79.7	23.7	67.4	41.9-	46.1	26.6	51.6-	.	43.5	43.0-
L.S.D. (0.05)	3.4	10.3	8.5	13.2	5.2	17.8	7.7	14.9	5.9	7.4	7.4	4.6	4.7
C.V. (%)	7.3	18.0	12.0	8.5	8.9	13.6	8.7	13.6	10.2	6.5	8.2	5.1	12.6

Data not included in mean

TABLE 12 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE TN	ORANGE VA	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	WARSAW VA	MEAN
AG 4201	18.3	22.4	19.7	20.5	21.5	19.6	19.1	20.2
AG 4403	19.5	24.3	21.2	21.7	22.7	19.3	20.8	21.4
AG 3906	17.7	22.1	20.2	22.2	22.8	19.4	20.8	20.7
LD00-3309	18.4	20.0	18.4	20.2	20.8	19.5	19.9	19.6
DS-97-94-9	18.8	20.6	19.5	19.6	18.2	18.1	18.4	19.0
DS-LG01-5087	18.8	21.5	19.6	20.0	21.3	19.1	19.0	19.9
MD 02-651RR	18.3	21.3	21.6	20.4	20.2	19.1	20.2	20.2
MD 0304 WN 79	12.6	18.8	18.6	15.9	17.6	17.2	15.4	16.6
MD 03-5435	17.1	22.1	18.6	19.4	19.9	18.6	18.8	19.2
MD 03-5759	14.5	16.4	15.4	14.8	15.9	15.0	15.0	15.3
MD 03-5842	13.7	16.6	14.0	13.7	15.4	14.6	13.8	14.5
S03-2114	19.1	21.9	20.7	20.9	20.7	18.5	19.4	20.2
S04-3940	18.7	22.8	20.2	19.0	20.5	19.0	19.1	19.9
S04-5969	19.5	24.1	21.6	22.8	22.4	21.1	21.1	21.8
S04-5997	18.8	22.9	21.4	22.9	22.8	20.0	19.9	21.2
S04-6001	19.2	24.9	21.5	22.5	23.1	20.1	20.6	21.7
S04-6008	19.5	24.7	21.8	22.9	23.3	20.8	20.1	21.9
TN03-235	16.2	19.8	19.7	19.2	20.0	17.5	18.6	18.7
TN04-509RR	18.0	21.4	19.8	20.2	19.7	17.6	18.2	19.3
TN05-4008	17.6	22.2	20.0	20.5	21.8	19.4	19.7	20.2
V02-7180	16.7	20.8	20.3	19.3	21.0	18.9	18.6	19.4
V02-8655	18.2	22.7	21.0	21.7	22.2	19.8	20.7	20.9
V02-8657	17.8	22.4	20.2	21.4	21.1	18.5	20.9	20.3
V02-8659	18.1	22.7	20.5	20.1	21.7	19.3	20.4	20.4

TABLE 13 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	BIXBY OK	KNOXVILLE TN	ORANGE VA	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	WARSAW VA	MEAN
AG 4201	42.9	41.3	41.4	41.0	40.8	41.1	43.0	41.6
AG 4403	40.3	39.3	38.2	38.2	37.8	40.3	39.0	39.0
AG 3906	42.9	42.4	40.7	38.6	39.2	41.8	41.4	41.0
LD00-3309	40.7	41.9	41.6	39.6	40.2	39.6	40.1	40.5
DS-97-94-9	38.5	40.2	36.8	38.4	41.9	38.3	38.9	39.0
DS-LG01-5087	39.7	40.0	39.1	39.2	39.0	38.0	40.4	39.3
MD 02-651RR	41.1	42.6	36.5	39.8	41.5	40.4	39.6	40.2
MD 0304 WN 79	44.1	43.4	42.2	45.4	44.2	43.1	45.3	44.0
MD 03-5435	42.6	39.9	40.9	40.0	40.8	40.9	41.6	41.0
MD 03-5759	47.6	47.0	48.9	50.6	48.7	46.8	49.0	48.4
MD 03-5842	50.7	49.5	49.6	52.9	48.8	48.6	51.1	50.2
S03-2114	39.9	38.3	38.2	37.1	39.2	41.5	40.6	39.3
S04-3940	39.3	37.8	38.2	39.7	37.2	39.4	39.8	38.8
S04-5969	39.3	37.8	37.7	36.1	38.4	35.0	37.6	37.4
S04-5997	41.0	38.4	38.5	36.3	38.4	38.4	39.3	38.6
S04-6001	40.9	37.9	39.0	36.1	38.0	38.2	39.6	38.5
S04-6008	40.2	37.0	38.5	36.1	38.3	37.6	39.8	38.2
TN03-235	44.1	40.6	38.8	38.6	39.5	41.4	41.6	40.7
TN04-509RR	40.8	39.7	39.2	35.0	39.7	40.1	40.2	39.2
TN05-4008	42.1	39.8	37.6	38.3	38.7	36.8	38.6	38.8
V02-7180	43.8	41.9	38.6	40.9	40.1	40.2	41.4	41.0
V02-8655	44.0	43.6	42.3	40.1	42.7	42.0	42.2	42.4
V02-8657	44.9	43.0	42.5	40.9	43.8	42.3	42.4	42.8
V02-8659	44.8	42.8	42.4	41.9	42.7	41.8	42.0	42.6

TABLE 14 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOXVILLE TN	ORANGE VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	WARSAW VA	MEAN
AG 4201	18.9	14.0	15.6	13.9	16.4	14.2	12.5	14.7	16.7	15.4
AG 4403	14.9	12.0	12.7	13.3	14.8	11.6	10.8	12.4	13.5	13.0
AG 3906	19.1	16.0	17.1	14.8	18.0	13.9	14.7	15.9	16.6	16.3
LD00-3309	12.4	11.5	10.7	8.1	13.0	12.7	11.2	11.9	13.9	11.7
DS-97-94-9	12.5	11.0	11.4	12.4	12.1	10.8	9.0	9.6	11.5	11.1
DS-LG01-5087	16.6	11.5	16.4	15.1	13.5	13.2	10.5	12.5	13.8	13.9
MD 02-651RR	16.1	12.5	11.9	11.4	13.7	12.7	13.4	13.7	15.0	13.5
MD 0304 WN 79	14.0	13.5	14.0	15.3	15.2	12.9	12.1	12.4	14.1	13.7
MD 03-5435	18.0	13.5	14.8	13.5	15.5	14.2	11.3	15.6	16.4	14.9
MD 03-5759	16.3	13.0	15.4	16.5	17.5	14.0	12.0	12.3	15.6	14.9
MD 03-5842	16.9	15.0	16.8	11.0	17.9	16.5	13.9	12.6	15.7	15.1
S03-2114	15.1	12.5	13.2	15.1	14.8	12.8	11.4	12.1	14.7	13.6
S04-3940	17.1	14.0	14.7	15.6	14.3	13.5	11.8	13.8	15.0	14.5
S04-5969	15.0	12.0	12.8	14.1	14.2	12.0	11.1	12.4	13.2	13.1
S04-5997	16.0	12.0	13.6	15.8	14.4	11.8	11.9	13.6	13.8	13.9
S04-6001	15.4	12.5	12.8	14.3	14.1	12.5	10.8	13.1	13.6	13.3
S04-6008	15.2	11.0	12.1	14.0	12.8	11.6	10.4	11.9	13.3	12.6
TN03-235	16.5	14.0	16.3	17.0	15.4	13.8	12.2	12.5	13.8	14.7
TN04-509RR	13.3	11.5	13.0	15.5	14.1	11.3	10.6	11.9	13.2	12.8
TN05-4008	16.0	13.0	14.1	11.0	14.4	12.0	11.6	12.6	14.3	13.2
V02-7180	17.5	13.0	14.6	11.8	15.3	13.3	11.9	12.5	16.1	14.1
V02-8655	14.7	12.0	12.4	10.9	15.8	12.9	11.9	11.0	13.7	12.9
V02-8657	13.7	10.5	12.2	11.1	14.5	12.1	11.2	11.4	14.1	12.5
V02-8659	15.2	11.0	11.9	10.6	15.3	12.7	11.1	11.8	13.7	12.8

Data not included in mean

TABLE 15 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KNOXVILLE TN	ORANGE VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	26	33	25	33	37	31	34	23	36	32	25	30
AG 4403	24	33	26	39	44	35	39	22	40	34	26	33
AG 3906	20	26	25	33	33	30	34	23	34	32	25	29
LD00-3309	18	26	23	33	35	32	35	22	32	28	24	28
DS-97-94-9	18	23	23	30	20	20	12	18	18	20	23	20
DS-LG01-5087	19	37	36	39	45	40	46	29	41	38	30	36
MD 02-651RR	23	28	23	35	38	31	29	23	31	27	24	28
MD 0304 WN 79	17	27	22	29	30	25	34	18	26	26	20	25
MD 03-5435	27	28	25	33	32	28	25	24	30	28	26	28
MD 03-5759	24	34	32	38	47	33	44	23	39	38	27	34
MD 03-5842	22	28	24	33	32	29	21	19	30	26	23	26
S03-2114	24	36	30	42	40	32	37	25	38	38	34	34
S04-3940	17	31	27	34	37	33	35	23	32	28	26	29
S04-5969	26	36	31	37	43	33	40	24	41	36	29	34
S04-5997	20	36	31	38	43	35	39	25	40	38	30	34
S04-6001	21	35	28	36	43	34	41	25	38	38	30	33
S04-6008	18	34	31	34	41	35	41	24	38	38	28	33
TN03-235	19	25	26	32	24	23	20	18	24	20	24	23
TN04-509RR	22	43	34	39	45	37	42	25	39	40	31	35
TN05-4008	19	30	23	32	39	30	33	20	34	32	23	28
V02-7180	22	20	22	36	35	31	26	19	34	.	25	28
V02-8655	22	33	27	36	33	31	34	24	37	.	25	30
V02-8657	25	33	28	39	37	31	32	25	38	.	28	31
V02-8659	22	34	27	38	36	31	31	29	37	.	27	31

Data not included in mean

TABLE 16 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	JACKSON TN	KNOXVILLE TN	MILAN TN	ORANGE VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	1.0	2.3	1.5	1.5	2.0	2.0	1.0	1.0	2.0	1.2	1.6
AG 4403	1.0	1.3	1.0	1.0	1.8	3.0	1.0	1.3	2.0	1.4	1.5
AG 3906	1.0	1.8	1.0	1.5	1.5	2.3	1.5	1.5	2.0	1.4	1.6
LD00-3309	1.0	1.3	1.0	1.0	1.3	2.0	1.5	1.0	2.0	1.1	1.3
DS-97-94-9	1.0	1.8	2.0	2.0	1.5	3.0	1.0	1.3	2.0	2.2	1.9
DS-LG01-5087	2.5	2.3	3.0	2.0	4.0	3.5	3.5	1.8	2.0	2.3	2.7
MD 02-651RR	1.0	1.8	1.5	1.5	2.0	2.0	1.0	1.5	2.0	1.1	1.6
MD 0304 WN 79	1.0	1.5	1.0	1.0	2.0	1.8	2.5	1.3	2.0	1.3	1.6
MD 03-5435	1.0	2.0	1.0	1.0	1.5	1.8	1.0	1.5	2.0	1.3	1.4
MD 03-5759	1.0	2.0	1.0	2.0	3.0	3.0	2.0	1.0	3.0	1.6	2.1
MD 03-5842	1.0	1.5	1.0	1.0	1.0	2.0	1.0	1.3	2.0	1.7	1.4
S03-2114	1.0	2.3	1.5	1.0	2.8	2.5	2.0	1.5	3.0	1.5	2.0
S04-3940	1.0	2.0	1.0	2.0	1.8	3.0	2.0	1.5	3.0	1.4	2.0
S04-5969	1.0	1.8	1.0	1.0	2.0	2.3	1.0	1.3	3.0	1.4	1.6
S04-5997	1.0	2.0	1.0	1.0	2.3	3.0	2.0	1.5	2.0	1.7	1.8
S04-6001	1.0	2.0	1.5	1.5	2.0	2.8	2.0	1.5	2.0	1.6	1.9
S04-6008	1.0	2.3	1.5	1.0	2.3	3.3	2.0	1.3	2.0	1.4	1.9
TN03-235	1.0	2.3	2.0	2.0	1.8	2.3	1.0	1.5	2.0	1.4	1.8
TN04-509RR	1.0	1.0	2.5	2.0	3.5	2.8	2.5	2.0	3.0	1.8	2.3
TN05-4008	1.0	1.8	2.0	1.5	2.0	3.8	2.0	1.8	2.0	1.4	2.0
V02-7180	1.0	1.3	1.5	1.0	1.3	3.5	2.0	1.3	.	1.2	1.6
V02-8655	1.5	2.0	3.0	1.5	2.0	3.8	2.5	2.0	.	2.0	2.3
V02-8657	1.0	1.3	2.5	1.0	2.8	3.8	2.5	2.3	.	2.2	2.3
V02-8659	1.0	1.5	3.0	1.5	1.5	3.8	2.5	1.8	.	2.1	2.2

Data not included in mean

TABLE 17 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S EARLY, 2006

STRAIN/ VARIETY	JACKSON TN	KNOXVILLE TN	ORANGE VA	PINE TREE AR	PLYMOUTH NC	PORTAGEVILLE MO	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
AG 4201	2.0	4.0	1.8	3.5	2.0	4.0	1.8	2.0	1.9	2.6
AG 4403	2.0	3.0	1.3	4.0	1.5	4.0	2.0	2.0	1.5	2.4
AG 3906	2.5	4.0	2.3	3.8	1.8	3.0	1.8	2.0	1.9	2.6
LD00-3309	2.0	3.0	4.0	3.5	2.0	4.0	2.0	2.0	2.5	2.9
DS-97-94-9	1.5	2.0	1.0	3.8	2.5	3.0	2.0	2.0	1.7	2.2
DS-LG01-5087	2.0	3.0	1.5	3.3	2.0	4.0	1.5	2.0	2.8	2.5
MD 02-651RR	2.0	3.0	2.0	3.5	2.5	4.0	1.5	2.0	1.7	2.5
MD 0304 WN 79	1.5	4.0	1.3	3.8	2.0	3.0	1.0	2.0	2.0	2.4
MD 03-5435	2.5	3.0	2.0	3.0	2.5	3.0	2.0	2.0	2.1	2.5
MD 03-5759	1.0	2.0	1.0	2.5	2.3	3.0	1.5	2.0	1.7	2.0
MD 03-5842	3.0	5.0	4.5	3.5	2.5	4.0	2.0	2.0	2.1	3.2
S03-2114	1.5	3.0	1.3	4.0	1.5	3.0	1.8	2.0	1.7	2.3
S04-3940	3.0	4.0	2.0	3.5	2.5	4.0	2.0	2.0	1.9	2.7
S04-5969	1.5	2.0	1.8	3.3	1.5	4.0	1.5	2.0	1.5	2.2
S04-5997	2.0	3.0	1.3	4.0	1.5	3.0	1.5	2.0	1.5	2.2
S04-6001	2.0	3.0	1.5	3.8	1.5	3.0	1.8	2.0	1.7	2.3
S04-6008	2.0	3.0	2.0	3.8	1.5	4.0	1.8	2.0	1.4	2.4
TN03-235	1.0	2.0	1.8	2.8	1.3	3.0	1.0	2.0	1.4	1.9
TN04-509RR	1.5	2.0	1.3	3.8	2.0	4.0	1.3	2.0	1.7	2.2
TN05-4008	2.0	4.0	3.0	3.3	1.5	4.0	1.8	2.0	1.5	2.6
V02-7180	2.0	4.0	3.0	3.8	1.8	4.0	1.5	.	2.5	2.9
V02-8655	2.0	5.0	3.0	3.0	2.0	4.0	1.8	.	2.5	3.0
V02-8657	2.0	4.0	3.3	3.5	1.8	4.0	1.8	.	2.1	2.9
V02-8659	2.0	3.0	3.3	4.0	1.3	4.0	1.8	.	1.9	2.7

Data not included in mean

PRELIMINARY GROUP IV-S LATE

2006

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

**TABLE 18 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S
LATE, 2006**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5002T	Holladay X Manokin	
2. DK 4866	Commercial check	
3. AG 4403	Commercial check	
4. AG 4903	Commercial check	
5. JTN-4106	FFR 517 RR x V94-0198-6-CYST02	
6. K04-2713RR	LN94-15200-97/K97-132	F5
7. K04-3083RR	SS94-7546/K97-132	F5
8. K04-4267RR	Md 97-6065/K97-133	F5
9. K04-4274RR	Md 97-6065/K97-133	F5
10. K04-4553RR	K1463/K97-132	F5
11. LS03-4303	Pana x TN96-58	F6
12. LS03-4953	RxEF59-79 x LS94-3207	F6
13. LS03-5236	LS93-0375 x LS94-3207	F6
14. LS03-5898	SS94-7546 x LS96-0735	F6
15. LS03D-2825	LS95-0709 x LS94-3207	F5
16. MD 03-4 RR	MANOKIN(3) x RR	F5
17. MD 03-5517	Md 86-5788 x CX 1834-1-2	F5
18. MD 03-6420	Md 94-5332 x CX 1834-1-2	F5
19. MD 03-68 RR	MANOKIN(4) x RR	F5
20. MD 03-81 RR	Md 94-5341 x [Md 92-5769(2) x RR]	F5
21. R00-1170F	A4715 X DP3478	
22. R00-2351F	HUTCHESON x DP3478	
23. R00-764	MD92-5769 x CAVINESS	
24. R03-818	R97-1678 x R95-1471	
25. R98-1692	KY88-4080 X HARTZ 5545	
26. S03-1904	SG 498 RR x ANAND-1-CYST02	
27. S03-1906	SG 498 RR x ANAND-1-CYST02	
28. S04-1195	SG498 X S99-4489RR	
29. S04-4510	U98-311442 X S98-3940-4RR	
30. S04-5963	S99-2281 X F1-00-111	
31. S04-6013	K1525 X F1-00-111	
32. TN02-064RR	Anand x (TN95-53 x Monsanto RR)	
33. TN02-200	TN94-213 x MD94-5396	
34. TN03-233	TV5797 x TN 4-94	
35. TN03-234	TV5797 x TN 4-94	

**TABLE 19 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP IV-S LATE, 2006
~ MEAN OF 13 LOCATIONS**

STRAIN/ VARIETY	SEED		AVG.	MAT.	LOGGING	HEIGHT	QUALITY	SEED	----PERCENT----		SCN HG TYPE		SCN HG TYPE			SC RATING	SC SCORE	FL COLOR
	YIELD	RANK	RANK	INDEX				SIZE	PROTEIN	OIL	1.2.5.7	7	1.3.5.6.7	2	3			
5002T	52.8	1	15	10/01	2.0	28	1.7	13.4	40.2	19.7	4	5	5	R	1	W		
DK 4866	50.9	3	17	3-	1.7	35	1.9	12.6	40.3	19.3	3	5	4	S	5	P		
AG 4403	48.8	8	18	8-	1.6	35	2.0	11.9	39.6	20.6+	4	5	5	MS	4	P		
AG 4903	50.8	4	16	1-	1.5	33	2.0	12.9	40.2	20.3	4	5	4	MS	4	P		
JTN-4106	46.7-	19	20	1-	2.2	35	1.8	13.6	40.8	19.5	3	2	5	R	1	P		
K04-2713RR	46.6-	20	21	3-	1.9	36	2.2	12.7	41.1	19.1	3	1	1	R	1	P		
K04-3083RR	50.0	5	19	0	2.6	39	2.1	10.9	41.2	19.6	3	1	1	R	1	SEG		
K04-4267RR	48.7	9	19	1+	2.1	29	1.6	11.2	40.6	19.1	3	1	5	R	1	P		
K04-4274RR	48.9	7	18	1+	1.9	28	1.8	11.4	41.1	18.8-	4	2	5	R	1	P		
K04-4553RR	49.3	6	17	2+	2.1	27	2.0	11.7	39.6	19.6	2	1	5	R	1	SEG		
LS03-4303	47.8-	12	18	5-	1.4	21	1.8	11.3	42.1+	18.6-	4	4	5	R	1	P		
LS03-4953	43.1-	27	23	10-	2.0	23	1.8	10.7	42.0+	19.2	4	1	5	R	1	P		
LS03-5236	43.7-	26	23	2-	1.9	27	1.9	11.7	41.7+	18.2-	3	1	4	R	1	P		
LS03-5898	45.8-	23	21	6-	2.4	37	2.1	12.7	41.0	18.9-	4	1	2	R	1	W		
LS03D-2825	44.3-	25	22	8-	1.6	22	2.0	12.6	40.5	18.5-	3	1	2	R	1	W		
MD 03-4 RR	47.6-	14	19	1-	1.9	27	1.6	10.8	40.6	20.0	5	5	4	R	1	P		
MD 03-5517	34.4-	35	31	6-	2.2	31	2.4	13.4	45.2+	17.3-	5	5	5	SS	3	P		
MD 03-6420	46.4-	21	21	0	2.0	36	2.5	14.4	40.7	18.6-	4	5	5	R	1	P		
MD 03-68 RR	43.0-	28	24	1-	1.9	28	1.6	10.5	39.3	19.8	3	1	5	SS	3	W		
MD 03-81 RR	42.1-	31	24	2+	1.5	23	1.7	11.6	41.2	19.0	5	5	5	S	5	P		
R00-1170F	46.9-	18	20	2+	2.2	40	1.7	11.5	41.4+	18.9-	5	5	5	R	1	SEG		
R00-2351F	39.4-	34	27	0	1.9	34	1.7	11.4	41.1	18.8-	4	5	5	R	1	W		
R00-764	47.7-	13	19	3+	1.6	28	2.0	12.2	39.6	19.8	4	4	5	S	5	W		
R03-818	45.9-	22	21	1-	2.0	27	2.0	14.6	40.2	19.5	4	5	4	R	1	P		
R98-1692	42.9-	29	24	5-	1.5	33	1.8	12.8	42.1+	19.4	2	1	4	S	5	W		
S03-1904	47.9-	11	19	1-	1.8	32	2.0	13.1	42.2+	19.7	4	5	5	MR	2	W		
S03-1906	47.1-	16	20	1-	1.6	31	1.9	13.0	41.7+	20.0	3	5	5	R	1	W		
S04-1195	42.5-	30	25	3-	1.6	34	2.1	13.7	41.6+	19.2	3	1	3	MR	2	W		
S04-4510	41.4-	32	25	1+	1.9	36	2.3	15.0	41.7+	18.6-	4	1	2	R	1	P		
S04-5963	46.9-	18	20	0	1.6	32	2.2	12.4	40.0	19.3	5	4	5	R	1	W		
S04-6013	48.3-	10	19	7-	1.9	34	1.7	11.3	39.2	20.7+	4	5	3	S	5	P		
TN02-064RR	47.5-	15	19	4+	1.6	29	1.7	10.2	41.0	18.7-	3	5	4	S	5	W		
TN02-200	39.7-	33	26	2+	1.5	26	2.1	12.8	41.5+	18.9-	5	5	5	R	1	P		
TN03-233	45.7-	24	21	3-	1.3	24	1.8	12.7	40.8	18.9-	5	5	5	R	1	P		
TN03-234	52.4	2	16	2+	1.9	27	1.9	13.2	40.5	18.0-	5	5	5	SS	3	P		
OVERALL MEAN	46.1								41.0	19.2								
LSD (.05)	4.5								1.1	0.7								
C.V.	12%								3%	4%								

TABLE 20 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	39.3	30.6	23.7	70.1	23.4	57.0	63.1	62.2	31.6	72.7	58.7	60.2	50.9	52.8
DK 4866	27.3-	36.4	15.0-	71.4	21.4	55.2	65.4	63.8	36.0	77.6	57.4	58.2	47.2	50.9
AG 4403	26.5-	33.4	18.1-	74.8	21.1	51.3	65.1	60.9	34.9	63.5	53.9	60.3	41.7-	48.8
AG 4903	37.1	34.9	16.0-	65.9	20.5	57.4	61.1	64.6	45.3+	69.3	54.5	62.2	50.4	50.8
JTN-4106	32.3-	30.7	14.3-	61.7	23.6	46.1-	53.1-	54.0	33.1	73.9	53.8	58.2	42.8-	46.7-
K04-2713RR	30.0-	27.6	17.0-	69.5	29.7+	45.5-	51.8-	51.0-	35.1	68.8	51.4	49.4-	48.0	46.6-
K04-3083RR	36.9	35.4	19.2	80.9	32.2+	50.4	57.0	53.8	38.6	70.9	48.9	52.4	47.8	50.0
K04-4267RR	30.0-	26.8	18.0-	68.8	20.8	49.8-	51.7-	55.4	38.5	75.6	57.8	64.0	44.3	48.7
K04-4274RR	29.1-	33.9	17.6-	74.1	18.4	48.9-	54.9-	56.9	31.9	66.9	57.8	66.5	47.5	48.9
K04-4553RR	31.2-	35.2	16.4-	65.3	29.7+	56.5	58.2	55.6	41.2	64.7	53.0	60.2	51.1	49.3
LS03-4303	27.7-	19.1	11.3-	57.5-	23.6	63.5	57.7	57.8	36.0	66.6	59.2	52.2	48.9	47.8-
LS03-4953	21.2-	21.8	18.0-	55.2-	20.2	44.3-	47.2-	56.1	35.6	61.1	47.8-	60.2	42.9-	43.1-
LS03-5236	24.1-	27.4	16.5-	60.8	25.0	52.4	50.3-	52.5	29.7	47.7-	47.9-	61.5	41.9-	43.7-
LS03-5898	30.2-	28.1	17.1-	63.3	27.0	46.1-	48.6-	55.2	36.0	59.5-	52.4	58.6	45.2	45.8-
LS03D-2825	18.9-	18.0	9.9-	66.3	27.2	56.9	44.2-	58.3	22.6	41.5-	54.7	63.8	45.2	44.3-
MD 03-4 RR	27.2-	29.0	18.6	61.5	27.3	52.8	53.1-	60.4	29.8	59.9	55.9	61.0	46.2	47.6-
MD 03-5517	19.5-	24.7	16.1-	52.8-	16.3-	39.4-	30.9-	44.1-	29.7	49.1-	34.7-	38.2-	37.8-	34.4-
MD 03-6420	33.3-	30.8	14.8-	58.9	23.3	49.8-	55.1-	56.8	34.0	71.5	45.6-	53.2	48.6	46.4-
MD 03-68 RR	30.7-	16.9	19.0	57.6-	23.2	48.1-	48.4-	53.4	25.2	54.6-	.	54.3	40.7-	43.0-
MD 03-81 RR	25.0-	11.6-	16.6-	56.6-	21.4	55.6	42.1-	56.3	27.7	47.6-	49.4	51.3	41.7-	42.1-
R00-1170F	36.6	25.4	21.1	60.1	20.9	45.3-	61.3	56.5	31.8	70.2	.	48.1-	49.1	46.9-
R00-2351F	30.8-	27.0	14.5-	51.6-	24.7	41.5-	53.8-	50.0-	25.9	46.5-	33.1-	45.5-	41.9-	39.4-
R00-764	34.4-	28.0	18.6	66.4	25.6	53.9	50.1-	50.8-	27.3	69.1	55.9	59.0	41.4-	47.7-
R03-818	31.7-	30.4	13.5-	62.6	22.9	48.6-	53.3-	63.4	30.0	55.9-	51.8	59.3	41.8-	45.9-
R98-1692	26.0-	28.8	17.4-	56.0-	27.9	45.0-	51.1-	60.2	31.0	58.3-	50.2	42.8-	37.6-	42.9-
S03-1904	28.9-	27.4	19.6	65.7	21.4	50.7	59.2	59.8	35.5	65.5	54.2	52.5	49.0	47.9-
S03-1906	31.9-	18.4	19.7	56.9-	24.3	48.3-	56.6	56.1	37.1	65.8	55.1	56.2	47.8	47.1-
S04-1195	27.2-	20.9	17.6-	62.6	28.6	48.4-	52.6-	48.6-	37.8	47.0-	42.6-	50.4-	41.7-	42.5-
S04-4510	28.3-	28.4	14.6-	59.2	30.2+	46.3-	53.1-	54.3	31.9	38.6-	40.8-	45.9-	43.8-	41.4-
S04-5963	30.5-	25.1	19.6	66.7	21.5	53.4	56.2	53.5	34.8	58.7-	52.3	53.8	49.5	46.9-
S04-6013	25.6-	32.6	19.2	70.0	22.1	48.4-	69.3	61.2	29.0	59.6-	53.8	57.6	44.1	48.3
TN02-064RR	33.6-	26.9	15.0-	65.0	29.4+	53.9	49.9-	54.4	27.9	67.0	39.9-	63.4	50.9	47.5-
TN02-200	23.0-	23.6	14.5-	45.9-	21.7	54.5	36.3-	59.0	41.2	61.2	55.3	23.4-	41.4-	39.7-
TN03-233	25.3-	29.2	18.5	56.5-	25.2	58.6	40.0-	61.3	27.2	66.0	47.4-	58.9	44.8	45.7-
TN03-234	43.5+	28.5	19.9	64.1	27.6	54.4	59.4	66.2	23.5	77.7	61.2	55.2	46.8	52.4
L.S.D. (0.05)	3.8	15.2	5.3	12.1	5.7	7.0	7.3	10.0	13.1	13.0	10.7	9.8	6.8	4.5
C.V. (%)	6.3	27.2	15.2	9.4	11.6	6.7	6.7	8.7	19.7	10.3	10.3	8.8	7.4	11.7

Data not included in mean

TABLE 21 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
5002T	18.9	18.4	19.9	21.6	21.1	17.8	19.4	18.5	19.7
DK 4866	18.4	18.9	18.9	23.0	19.6	17.3	18.6	18.0	19.3
AG 4403	19.6	19.4	22.1	20.1	21.2	19.9	21.5	20.6	20.6
AG 4903	20.0	19.9	20.5	20.9	20.4	19.0	20.9	19.7	20.3
JTN-4106	19.5	18.3	20.1	20.9	20.1	18.2	19.2	18.7	19.5
K04-2713RR	18.4	18.5	18.9	20.1	20.0	17.5	19.8	18.3	19.1
K04-3083RR	19.5	19.7	19.4	20.4	20.0	17.5	19.3	19.1	19.6
K04-4267RR	19.2	.	18.8	20.1	19.9	17.8	18.9	17.7	19.1
K04-4274RR	18.8	18.8	19.0	19.2	19.6	16.4	18.4	17.5	18.8
K04-4553RR	20.2	19.5	19.5	20.0	19.7	18.5	19.8	18.3	19.6
LS03-4303	16.0	17.8	19.4	20.0	19.4	18.3	19.8	17.6	18.6
LS03-4953	17.3	18.5	20.3	20.1	19.0	18.1	19.9	19.2	19.2
LS03-5236	17.9	17.3	18.1	18.8	18.2	17.6	19.6	17.5	18.2
LS03-5898	17.1	18.5	19.2	20.3	19.2	17.7	19.5	18.4	18.9
LS03D-2825	17.4	15.9	19.3	19.0	19.2	17.9	19.2	19.6	18.5
MD 03-4 RR	19.7	18.9	20.8	21.4	20.7	18.5	20.4	18.1	20.0
MD 03-5517	16.3	17.8	17.6	18.3	16.7	17.5	17.7	16.9	17.3
MD 03-6420	18.6	17.5	18.4	20.4	19.3	17.7	18.2	17.5	18.6
MD 03-68 RR	19.9	18.5	20.3	21.1	21.1	17.2	19.8	17.6	19.8
MD 03-81 RR	19.6	19.4	18.8	18.9	18.8	17.0	19.2	18.3	19.0
R00-1170F	19.2	18.8	18.6	19.6	19.4	18.4	18.5	18.1	18.9
R00-2351F	19.0	19.6	19.1	20.2	18.4	17.4	18.2	17.3	18.8
R00-764	19.8	19.3	20.3	20.0	20.2	18.0	20.9	18.3	19.8
R03-818	17.9	18.2	20.9	20.6	20.8	18.3	19.8	18.0	19.5
R98-1692	18.2	19.1	19.5	20.5	20.0	18.7	19.8	18.5	19.4
S03-1904	19.3	19.8	18.9	20.8	20.1	18.9	20.1	18.7	19.7
S03-1906	20.7	20.1	20.2	20.1	20.7	19.5	19.5	18.6	20.0
S04-1195	18.1	18.7	19.4	20.5	19.7	18.8	19.1	18.6	19.2
S04-4510	18.7	18.1	18.2	19.6	18.6	17.7	20.2	16.7	18.6
S04-5963	19.3	18.4	19.6	20.5	19.5	18.9	19.4	18.4	19.3
S04-6013	19.8	20.2	22.0	20.4	21.0	19.7	21.2	20.6	20.7
TN02-064RR	20.1	18.1	17.9	19.5	19.3	17.7	18.6	17.3	18.7
TN02-200	17.4	18.1	18.8	20.5	20.7	18.0	19.3	17.8	18.9
TN03-233	17.5	17.9	19.7	19.2	20.0	17.3	19.3	18.4	18.9
TN03-234	17.3	17.6	18.3	19.4	18.8	17.7	18.2	16.7	18.0

Data not included in mean

TABLE 22 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
5002T	40.0	38.1	42.5	39.9	36.5	42.3	42.6	41.8	40.2
DK 4866	40.7	40.8	40.1	38.4	39.0	41.0	41.7	41.4	40.3
AG 4403	40.0	41.0	38.1	39.4	39.2	39.4	40.8	38.6	39.6
AG 4903	40.1	40.8	40.1	40.3	39.0	41.2	40.6	40.5	40.2
JTN-4106	39.3	41.2	41.2	40.4	39.6	42.2	42.2	41.6	40.8
K04-2713RR	41.9	40.9	41.9	40.5	39.6	43.1	40.6	42.6	41.1
K04-3083RR	40.1	40.0	42.8	41.5	39.0	43.5	43.2	41.7	41.2
K04-4267RR	40.5	.	42.1	40.2	38.3	41.3	41.4	40.8	40.6
K04-4274RR	40.6	40.9	41.8	41.6	38.9	42.1	42.8	40.8	41.1
K04-4553RR	38.5	38.3	40.4	41.6	37.8	39.6	40.9	39.4	39.6
LS03-4303	43.3	41.7	42.4	40.1	40.7	42.0	43.5	43.2	42.1
LS03-4953	43.0	42.1	40.7	43.3	41.6	42.1	43.0	40.5	42.0
LS03-5236	40.6	41.3	42.9	41.9	40.7	41.3	42.2	42.3	41.7
LS03-5898	42.0	41.5	39.3	40.3	39.8	41.9	42.9	40.9	41.0
LS03D-2825	40.5	41.2	39.9	42.1	39.0	39.9	42.1	38.6	40.5
MD 03-4 RR	39.6	39.8	42.2	40.5	38.1	41.0	41.5	42.4	40.6
MD 03-5517	45.7	44.8	43.8	44.6	46.6	43.8	46.5	44.6	45.2
MD 03-6420	38.7	39.3	41.8	41.1	39.0	41.9	42.9	41.8	40.7
MD 03-68 RR	37.6	38.1	40.4	39.6	37.3	42.2	40.5	41.4	39.3
MD 03-81 RR	40.0	39.6	42.1	42.1	41.1	42.2	42.0	41.3	41.2
R00-1170F	40.1	42.0	43.3	40.8	39.2	40.3	43.1	41.2	41.4
R00-2351F	41.2	37.6	42.1	39.5	40.1	43.0	43.7	43.6	41.1
R00-764	39.4	39.7	38.8	41.5	37.2	41.4	39.9	40.8	39.6
R03-818	40.1	39.2	40.2	40.1	38.1	41.0	41.9	41.5	40.2
R98-1692	42.8	43.0	42.5	42.0	40.8	41.8	42.2	41.4	42.1
S03-1904	42.3	40.3	42.8	42.2	40.5	41.8	43.1	44.0	42.2
S03-1906	39.4	40.3	42.6	42.3	40.2	41.6	43.3	44.1	41.7
S04-1195	42.9	41.9	41.3	40.9	39.4	41.7	42.1	42.5	41.6
S04-4510	40.8	42.5	43.1	40.8	39.3	41.8	42.0	43.5	41.7
S04-5963	39.6	41.3	38.5	39.0	39.1	40.2	41.0	41.4	40.0
S04-6013	38.1	39.1	37.9	40.4	38.5	39.9	41.2	39.5	39.2
TN02-064RR	39.4	41.0	43.8	40.8	38.5	41.0	42.1	41.6	41.0
TN02-200	42.1	40.9	43.1	40.6	38.5	42.4	42.6	42.7	41.5
TN03-233	42.0	41.2	39.5	40.7	38.4	43.3	42.5	41.3	40.8
TN03-234	39.9	38.0	41.6	41.3	38.3	41.5	41.8	42.6	40.5

Data not included in mean

TABLE 23 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
5002T	16.7	12.5	16.6	17.2	15.3	13.1	13.6	13.0	15.7	15.5	15.5
DK 4866	18.6	13.0	14.9	19.7	14.2	10.8	11.2	14.6	14.0	16.3	15.0
AG 4403	16.2	12.0	13.9	17.8	13.3	12.2	11.3	13.1	13.5	14.1	14.0
AG 4903	16.7	13.0	15.3	19.2	14.9	11.4	12.8	15.2	15.0	16.2	15.2
JTN-4106	18.0	12.5	15.7	17.2	15.8	12.8	14.7	14.3	15.1	15.8	15.6
K04-2713RR	17.1	12.5	16.1	16.2	14.1	12.1	12.7	13.8	12.9	15.6	14.6
K04-3083RR	15.6	11.5	13.6	12.5	12.8	9.8	10.0	11.2	12.1	12.4	12.3
K04-4267RR	13.9	11.0	13.7	13.5	13.7	10.4	12.2	11.2	13.4	11.9	12.8
K04-4274RR	14.8	10.5	13.7	12.4	13.2	10.6	12.2	11.8	13.9	12.3	12.9
K04-4553RR	15.0	11.5	13.7	14.1	13.9	11.2	11.6	11.7	14.4	12.8	13.3
LS03-4303	16.1	11.0	13.7	14.1	12.6	11.2	9.8	11.8	12.7	13.3	12.9
LS03-4953	13.6	10.5	13.8	14.4	12.1	9.7	10.3	11.1	13.1	12.6	12.4
LS03-5236	15.8	12.0	13.8	14.4	13.0	10.2	12.1	11.3	14.2	13.8	13.4
LS03-5898	16.4	12.5	16.8	15.4	13.5	11.8	12.7	13.2	15.4	14.6	14.6
LS03D-2825	17.0	12.0	14.2	17.7	13.7	12.3	11.6	11.2	16.3	14.7	14.7
MD 03-4 RR	14.8	11.0	12.3	13.6	12.7	10.0	10.5	10.6	12.8	13.0	12.5
MD 03-5517	17.0	12.5	17.1	15.6	14.2	13.0	12.9	15.3	15.5	16.6	15.2
MD 03-6420	17.2	13.5	17.7	16.9	15.7	14.0	16.3	15.6	16.3	17.3	16.4
MD 03-68 RR	13.8	10.0	11.8	13.2	12.8	9.6	11.2	9.7	12.2	11.9	12.1
MD 03-81 RR	15.0	10.0	14.1	13.1	14.8	10.8	11.4	10.8	13.7	12.5	13.2
R00-1170F	16.1	11.0	13.6	13.8	13.7	10.8	10.7	11.6	13.1	13.6	13.2
R00-2351F	15.0	11.5	13.5	13.7	13.3	10.8	11.7	11.8	13.1	13.6	13.1
R00-764	16.2	11.5	14.2	14.1	14.8	11.2	12.7	10.9	15.2	12.8	13.9
R03-818	20.4	12.5	17.8	17.9	17.3	13.3	16.4	13.4	14.3	16.8	16.8
R98-1692	16.6	12.5	15.0	16.4	15.1	12.0	13.5	13.0	13.9	15.4	14.7
S03-1904	17.2	11.5	14.9	13.9	15.5	12.1	13.2	13.5	14.6	16.3	14.7
S03-1906	16.7	11.5	15.4	17.2	15.1	10.9	13.9	13.9	15.4	16.0	15.1
S04-1195	18.4	12.5	16.7	18.8	15.0	12.9	13.4	15.8	14.8	17.5	15.9
S04-4510	21.0	13.0	18.1	16.8	17.7	13.3	15.0	17.3	14.7	19.4	17.0
S04-5963	16.8	12.0	14.7	13.8	13.9	11.0	12.3	13.8	14.3	15.8	14.1
S04-6013	14.7	12.0	13.6	15.0	12.2	11.0	11.1	12.9	13.2	13.6	13.0
TN02-064RR	13.6	10.0	12.2	10.7	12.1	8.9	10.0	10.6	11.7	12.1	11.4
TN02-200	17.6	11.5	15.6	14.1	16.9	10.6	12.4	12.6	14.4	14.5	14.5
TN03-233	16.7	12.5	16.3	18.1	15.1	12.0	12.6	10.8	14.3	14.0	14.9
TN03-234	17.2	13.0	16.6	15.3	15.0	10.7	14.0	12.5	15.7	15.2	15.0

Data not included in mean

TABLE 24 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC	PRINCETON KY	QUEENSTOWN MD	ROHWER AR	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	15	24	29	32	31	34	17	31	26	24	27	28
DK 4866	32	19	39	24	40	47	27	40	38	40	27	35
AG 4403	31	23	38	27	38	44	26	40	38	42	28	35
AG 4903	30	21	29	27	39	43	30	37	36	39	29	33
JTN-4106	26	25	36	37	35	41	24	35	30	41	34	35
K04-2713RR	30	23	42	33	37	39	25	39	40	42	30	36
K04-3083RR	38	23	48	34	44	47	28	46	40	40	30	39
K04-4267RR	18	24	26	30	30	36	24	28	26	31	28	29
K04-4274RR	18	21	30	26	30	35	23	26	22	34	29	28
K04-4553RR	20	18	23	26	27	39	24	30	22	31	26	27
LS03-4303	12	20	18	23	24	29	18	18	16	23	22	21
LS03-4953	15	21	22	26	22	31	16	20	16	23	24	23
LS03-5236	19	21	35	28	22	47	17	20	16	32	27	27
LS03-5898	31	27	38	35	40	45	26	39	34	38	35	37
LS03D-2825	14	20	21	27	24	31	17	18	18	21	24	22
MD 03-4 RR	19	22	26	33	24	37	21	20	24	31	26	27
MD 03-5517	27	19	35	23	35	42	27	36	32	34	27	31
MD 03-6420	34	22	39	30	41	48	26	41	34	40	35	36
MD 03-68 RR	16	21	28	31	27	39	18	23	.	30	30	28
MD 03-81 RR	10	17	31	24	22	33	20	20	16	21	24	23
R00-1170F	34	28	40	31	44	52	25	43	.	46	41	40
R00-2351F	30	20	35	29	36	48	22	35	38	38	31	34
R00-764	17	22	29	29	28	37	21	30	23	33	27	28
R03-818	22	21	31	30	26	38	15	22	22	30	26	27
R98-1692	26	23	33	29	34	42	25	33	36	37	27	33
S03-1904	25	22	39	25	35	41	25	31	36	31	25	32
S03-1906	24	21	33	25	32	40	22	33	36	36	23	31
S04-1195	34	23	39	30	36	43	24	34	36	41	26	34
S04-4510	31	22	40	30	42	45	25	36	38	41	27	36
S04-5963	29	25	31	28	34	40	24	34	36	38	26	32
S04-6013	30	25	37	27	37	44	26	36	34	42	26	34
TN02-064RR	17	22	28	34	31	39	21	30	20	35	27	29
TN02-200	18	21	27	26	25	38	18	25	21	28	22	26
TN03-233	16	21	24	27	22	32	14	20	20	25	22	24
TN03-234	19	22	26	27	28	33	16	26	26	30	22	27

Data not included in mean

TABLE 25 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
5002T	1.0	1.0	2.3	1.0	2.5	2.3	1.5	2.0	2.8	2.0
DK 4866	1.0	1.0	2.3	1.0	2.0	2.0	1.5	2.0	1.4	1.7
AG 4403	1.0	1.0	1.5	1.0	2.8	2.0	1.5	2.0	1.3	1.6
AG 4903	1.0	1.0	1.3	1.0	2.0	2.0	1.5	2.0	1.4	1.5
JTN-4106	1.0	1.0	1.8	2.0	2.0	2.8	2.0	2.0	3.7	2.2
K04-2713RR	1.0	1.0	2.5	1.0	2.8	2.5	2.5	2.0	1.8	1.9
K04-3083RR	1.0	1.0	4.5	1.0	3.3	3.0	2.5	3.0	2.1	2.6
K04-4267RR	1.0	1.0	1.5	1.0	2.8	3.3	1.8	2.0	3.2	2.1
K04-4274RR	1.0	1.0	1.5	1.0	2.5	2.5	1.8	2.0	2.8	1.9
K04-4553RR	1.0	1.0	1.5	1.0	2.8	4.0	1.8	2.0	2.7	2.1
LS03-4303	1.0	1.0	1.5	1.0	1.5	1.3	1.0	2.0	1.4	1.4
LS03-4953	1.0	1.0	1.5	1.0	2.5	3.0	1.5	2.0	3.0	2.0
LS03-5236	1.0	1.0	2.0	1.0	2.0	2.8	1.5	2.0	2.3	1.9
LS03-5898	1.0	1.0	2.0	1.5	3.3	3.0	2.8	3.0	3.0	2.4
LS03D-2825	1.0	1.0	1.5	1.0	1.8	2.0	1.0	2.0	1.8	1.6
MD 03-4 RR	1.0	1.0	1.5	2.0	1.8	2.8	1.5	2.0	2.3	1.9
MD 03-5517	1.0	1.0	2.5	1.0	2.5	3.0	1.8	3.0	2.2	2.2
MD 03-6420	1.0	1.0	2.5	1.0	2.0	3.0	1.5	3.0	1.8	2.0
MD 03-68 RR	1.0	1.0	1.5	2.0	2.0	2.5	1.5	.	2.4	1.9
MD 03-81 RR	1.0	1.0	2.0	1.0	1.5	1.8	1.5	2.0	1.4	1.5
R00-1170F	1.0	1.0	3.3	1.0	3.0	2.3	1.5	.	2.4	2.2
R00-2351F	1.0	1.0	2.3	1.0	2.3	2.3	1.5	3.0	1.4	1.9
R00-764	1.0	1.0	2.3	1.0	1.5	2.0	1.3	2.0	1.5	1.6
R03-818	1.0	1.0	2.3	1.0	2.5	2.5	1.5	2.0	2.9	2.0
R98-1692	1.0	1.0	1.8	1.0	1.8	1.8	1.3	2.0	1.4	1.5
S03-1904	1.0	1.0	2.0	1.0	2.3	2.0	1.3	3.0	1.1	1.8
S03-1906	1.0	1.0	2.3	1.0	1.8	1.8	1.3	2.0	1.2	1.6
S04-1195	1.0	1.0	2.3	1.0	1.8	2.0	1.5	2.0	1.1	1.6
S04-4510	1.0	1.0	2.8	1.0	2.5	2.5	1.5	2.0	1.4	1.9
S04-5963	1.0	1.0	2.3	1.0	2.0	2.0	1.5	2.0	1.2	1.6
S04-6013	1.0	1.0	2.0	1.0	3.0	2.0	1.5	3.0	1.4	1.9
TN02-064RR	1.0	1.0	2.3	1.0	2.0	1.8	1.0	2.0	1.4	1.6
TN02-200	1.0	1.0	1.8	1.0	1.5	2.0	1.0	2.0	1.2	1.5
TN03-233	1.0	1.0	1.0	1.0	1.5	1.5	1.0	2.0	1.1	1.3
TN03-234	1.0	1.0	2.0	1.0	2.3	3.0	1.3	2.0	1.9	1.9

Data not included in mean

TABLE 26 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S LATE, 2006

STRAIN/ VARIETY	JACKSON TN	PINE TREE AR	PITTSBURG KS	PLYMOUTH NC	PORTAGEVILLE MO	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
5002T	1.5	2.5	1.0	1.3	3.0	1.0	1.0	2.0	2.0	1.7	1.8
DK 4866	2.0	3.0	1.0	1.8	3.0	1.0	1.5	2.0	2.0	2.0	2.0
AG 4403	1.5	3.3	1.0	1.5	3.0	1.0	1.0	2.0	2.5	2.0	2.0
AG 4903	2.0	3.3	2.0	1.3	3.0	2.0	1.3	2.0	2.0	1.4	2.1
JTN-4106	1.5	2.8	2.0	1.5	2.0	2.0	1.5	2.0	2.0	1.4	2.0
K04-2713RR	2.5	3.0	2.0	1.5	3.0	3.0	1.8	2.0	1.5	2.3	2.3
K04-3083RR	2.0	3.3	1.0	1.8	3.0	2.0	1.0	2.0	3.0	1.5	2.2
K04-4267RR	1.0	2.8	1.0	1.3	3.0	1.0	1.0	2.0	1.0	1.7	1.7
K04-4274RR	1.0	2.0	1.0	1.5	3.0	2.0	1.5	2.0	1.5	1.7	1.8
K04-4553RR	1.5	2.8	1.0	1.5	3.0	1.0	1.0	2.0	3.0	1.9	2.0
LS03-4303	1.5	2.5	2.0	1.3	3.0	1.0	1.0	2.0	2.0	2.0	2.0
LS03-4953	2.0	2.3	1.0	1.0	3.0	2.0	1.8	2.0	2.0	1.7	1.9
LS03-5236	2.0	2.5	2.0	1.8	3.0	1.0	1.8	2.0	2.0	2.2	2.1
LS03-5898	2.0	3.3	2.0	1.5	3.0	2.0	1.8	2.0	2.5	1.9	2.3
LS03D-2825	1.5	2.5	2.0	1.0	3.0	2.0	1.5	2.0	2.5	1.8	2.1
MD 03-4 RR	1.0	2.3	1.0	1.3	3.0	1.0	1.8	2.0	1.5	1.5	1.7
MD 03-5517	2.0	2.5	2.0	1.5	3.0	3.0	1.3	2.0	4.0	2.4	2.5
MD 03-6420	2.5	2.5	3.0	1.5	3.0	3.0	2.0	2.0	3.5	2.7	2.6
MD 03-68 RR	1.5	2.0	2.0	1.0	2.0	2.0	1.5	.	1.5	1.5	1.7
MD 03-81 RR	1.0	1.8	2.0	1.3	3.0	1.0	1.8	2.0	2.0	1.8	1.8
R00-1170F	1.5	2.8	1.0	1.3	3.0	1.0	1.5	.	2.0	1.7	1.8
R00-2351F	1.0	2.3	1.0	1.5	3.0	1.0	1.0	2.0	2.0	1.5	1.8
R00-764	1.5	2.5	2.0	1.3	3.0	2.0	1.3	2.0	2.0	1.9	2.1
R03-818	2.0	2.5	2.0	2.0	3.0	1.0	2.0	2.0	2.5	2.4	2.2
R98-1692	2.0	2.5	2.0	1.3	3.0	1.0	2.0	2.0	2.0	1.7	1.9
S03-1904	1.5	2.5	1.0	1.5	3.0	2.0	1.8	2.0	2.5	1.8	2.0
S03-1906	2.0	2.0	1.0	1.5	3.0	2.0	1.5	2.0	2.5	2.0	2.0
S04-1195	2.0	2.8	1.0	1.5	3.0	2.0	1.5	2.0	3.5	1.9	2.2
S04-4510	2.0	3.0	1.0	2.8	3.0	2.0	1.8	2.0	2.5	2.9	2.4
S04-5963	2.0	2.8	1.0	1.8	3.0	2.0	1.8	2.0	3.0	2.7	2.3
S04-6013	2.0	2.3	1.0	1.0	3.0	1.0	1.3	2.0	2.0	1.8	1.8
TN02-064RR	1.0	2.8	1.0	1.0	3.0	1.0	1.3	2.0	2.0	1.7	1.8
TN02-200	1.5	2.8	2.0	1.5	3.0	2.0	1.0	2.0	2.5	2.3	2.3
TN03-233	1.5	2.5	1.0	1.3	3.0	1.0	1.3	2.0	2.5	1.5	1.8
TN03-234	2.0	2.5	1.0	1.5	3.0	1.0	1.8	2.0	2.5	2.1	2.0

Data not included in mean

UNIFORM GROUP V

2006

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

TABLE 27 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. AG 5501RR	Commercial check	
4. ALLEN	5601T [3]x(TN93-99 [3]xMonsanto RR)	
5. DS-95-217-1-880	Hartwig x (PI437654 x Ripley)	
6. G03-1668 RR	H7242 RR X K1423	F5d
7. G03-2282 RR	G94-3117 X Boggs RR	F5d
8. JTN-033	S94-1956 x MD94-5396	
9. JTN-5203	R93-171 x Anand	
10. MD 01-206 RR	Md 94-5396 x [Manokin(2)xRR]	F5
11. NCC01-256RR	J94-7(2,3,14)/TN93-87RRF1	
12. R00-1940	HARTZ 4994 x NK S 59-60	
13. R01-379	R96-2660 x HBK 5990	
14. R01-4752RR	Hartz 4994 x 97668 (N92-598)	
15. R01-4804RR	Hartz 4994 x 97668 (N92-598)	
16. R01-976	Hartz 4994 x R95-1470	
17. S03-328RR	DP5960RR x P1	
18. S03-383RR	DP5960RR x P1	
19. TN02-104RR	Anand x (TN95-53 x Monsanto RR)	
20. TN02-205	TN94-213 x MD94-5396	
21. TN02-283	Fowler x Anand	
22. V01-2245	V91-0223 x V91-3036	

TABLE 28 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD			PROTEIN			OIL		
			2006	05-06	04-06	2006	05-06	04-06	2006	05-06	04-06
5601T	1	6	49.8	48.9	51.1	42.3	42.3	41.8	18.7	19.3	19.2
5002T	6	9	47.6	48.0	50.4	40.3	40.7	40.6	19.5	20.5	20.3
AG 5501RR	10	11	46.5	45.7	47.6	41.2	41.6	41.3	18.9	19.2	19.3
ALLEN	3	7	49.2	.	.	40.8	.	.	18.6	.	.
DS-95-217-1-880	12	12	46.3	.	.	40.2	.	.	19.6	.	.
G03-1668 RR	9	10	47.1	.	.	40.4	.	.	19.5	.	.
G03-2282 RR	21	17	41.8	.	.	42.2	.	.	18.3	.	.
JTN-033	11	11	46.4	.	.	41.9	.	.	19.6	.	.
JTN-5203	2	8	49.4	.	.	40.6	.	.	19.4	.	.
MD 01-206 RR	16	12	45.1	.	.	40.3	.	.	19.1	.	.
NCC01-256RR	18	15	43.4	.	.	40.7	.	.	18.5	.	.
R00-1940	17	13	44.4	46.4	49.0	41.2	42.0	41.2	18.9	19.9	19.8
R01-379	7	9	47.5	.	.	40.1	.	.	18.4	.	.
R01-4752RR	22	19	40.6	.	.	39.9	.	.	19.4	.	.
R01-4804RR	15	13	45.2	.	.	40.9	.	.	19.4	.	.
R01-976	4	7	49.0	.	.	41.2	.	.	19.0	.	.
S03-328RR	13	13	46.2	.	.	41.7	.	.	20.0	.	.
S03-383RR	14	11	45.7	.	.	42.2	.	.	18.8	.	.
TN02-104RR	5	9	48.2	.	.	41.5	.	.	18.3	.	.
TN02-205	20	16	42.6	.	.	41.7	.	.	18.2	.	.
TN02-283	19	16	42.6	44.1	.	39.5	40.0	.	19.2	19.8	.
V01-2245	8	10	47.3	.	.	39.3	.	.	19.9	.	.

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

TABLE 28 ~ Continued

BOTANICAL TRAITS					
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE
5601T	10/09	1.7	30	1.7	16.2
5002T	6-	1.7	26	1.9	16.9
AG 5501RR	1+	1.7	30	1.8	16.3
ALLEN	6+	1.8	32	1.9	16.5
DS-95-217-1-880	0	1.4	23	2.0	16.6
G03-1668 RR	3+	2.3	29	1.9	16.3
G03-2282 RR	5+	2.0	29	1.6	14.4
JTN-033	1-	1.6	26	1.8	13.6
JTN-5203	3-	1.6	26	1.9	15.5
MD 01-206 RR	2-	1.5	26	1.7	13.9
NCC01-256RR	2+	1.6	26	2.0	15.4
R00-1940	3-	2.0	25	1.8	16.0
R01-379	3+	2.0	27	1.8	18.0
R01-4752RR	3-	1.7	24	1.9	16.1
R01-4804RR	2-	2.1	27	2.2	16.2
R01-976	4+	1.9	29	1.9	17.8
S03-328RR	5-	1.5	36	2.2	17.8
S03-383RR	3+	1.9	35	2.5	17.6
TN02-104RR	1+	1.5	27	1.8	14.7
TN02-205	4-	1.4	23	1.8	13.9
TN02-283	0	1.7	23	2.0	16.4
V01-2245	0	1.7	27	2.0	15.3

TABLE 28 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SRK GA	PRK GA	SMV S95-52	SMV G1	SC RATING	SC SCORE	SDS DX1	SDS DX1
	1.2.5.7 2	7 3	1.3.5.6.7 14								
5601T	5	5	5	3.3	5.0	S	R	MR	2	7	7
5002T	4	5	5	5.0	4.8	S	SEG	R	1	1	3
AG 5501RR	4	2	4	5.0	4.5	S	SEG	S	5	19	6
ALLEN	5	5	5	3.8	4.5	S	R	SS	3	3	5
DS-95-217-1-880	2	3	1	5.0	5.0	S	SEG	MR	2	2	0
G03-1668 RR	5	1	5	1.5	5.0	S	S	SS	3	4	2
G03-2282 RR	4	1	5	1.3	3.8	S	S	SS	3	6	2
JTN-033	5	5	5	5.0	3.8	S	SEG	SS	3	1	4
JTN-5203	2	4	1	5.0	5.0	S	S	SS	3	2	2
MD 01-206 RR	5	5	5	5.0	4.0	SEG	S	R	1	27	12
NCC01-256RR	3	1	1	5.0	4.5	S	S	SS	3	21	24
R00-1940	3	2	2	5.0	5.0	S	S	S	5	24	10
R01-379	4	1	3	5.0	4.3	S	S	SS	3	15	3
R01-4752RR	5	5	5	5.0	4.3	S	R	S	5	7	6
R01-4804RR	5	2	4	5.0	4.5	S	R	S	5	7	15
R01-976	5	5	5	4.5	3.5	S	S	S	5	7	1
S03-328RR	5	5	5	5.0	3.3	S	S	S	5	6	2
S03-383RR	5	2	4	5.0	4.3	S	R	S	5	5	0
TN02-104RR	4	5	4	5.0	3.0	SEG	S	S	5	2	1
TN02-205	5	4	5	5.0	5.0	S	R	R	1	5	1
TN02-283	1	5	1	5.0	4.5	S	S	R	1	1	0
V01-2245	5	5	5	5.0	2.8	S	S	MS	4	3	5

TABLE 29 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC(A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	50.8	58.4	39.4	40.0	51.6	48.0
5002T	32.4	54.6	34.0	41.1	50.6	42.5
AG 5501RR	44.2	56.2	31.3	45.3	45.9	44.6
ALLEN	55.0	53.1	34.8	49.8	56.8	49.9
DS-95-217-1-880	49.2	48.6	34.0	41.0	51.3	44.8
G03-1668 RR	46.8	47.9	36.2	46.0	49.1	45.2
G03-2282 RR	44.8	43.7	22.8	37.0	46.9	39.0
JTN-033	38.5	58.3	33.4	43.8	50.4	44.8
JTN-5203	57.3	57.7	37.3	49.2	52.8	50.9
MD 01-206 RR	33.6	51.2	33.2	45.3	50.6	42.8
NCC01-256RR	34.1	52.4	27.7	46.1	42.7	40.6
R00-1940	32.1	40.4	35.9	47.2	46.4	40.4
R01-379	41.0	47.1	37.3	48.5	50.0	44.8
R01-4752RR	26.4	46.3	26.6	36.3	40.0	35.1
R01-4804RR	40.9	46.6	31.0	45.9	47.4	42.4
R01-976	46.7	50.2	30.3	49.7	50.3	45.4
S03-328RR	47.5	58.6	28.9	44.2	48.9	45.6
S03-383RR	38.3	51.6	33.9	42.6	50.5	43.4
TN02-104RR	59.5	54.4	31.1	42.3	49.5	47.4
TN02-205	31.1	53.5	17.3	37.7	43.2	36.5
TN02-283	45.6	42.6	36.0	35.8	48.6	41.7
V01-2245	32.8	52.2	34.4	45.6	46.6	42.3
L.S.D. (0.05)	8.9	7.9	5.8	13.6	7.1	.
C.V. (%)	10.1	9.4	11.0	19.0	8.8	.

TABLE 29 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	ULLIN IL	MEAN
5601T	28.6	22.1	38.8	80.7	49.1	63.8	59.2	52.3
5002T	24.9	18.8	33.6	77.3	54.5	62.9	61.4	51.4
AG 5501RR	23.7	18.2	42.2	79.5	42.7	58.3	59.5	50.1
ALLEN	25.2	19.4	41.2	85.7	49.2	56.7	62.1	52.4
DS-95-217-1-880	27.4	16.3	32.4	80.3	46.8	53.5	67.0	49.4
G03-1668 RR	32.8	17.0	42.4	79.4	56.2	51.2	55.5	50.3
G03-2282 RR	27.6	14.2	35.5	70.0	41.8	47.5	54.2	43.9
JTN-033	25.6	18.5	34.8	77.0	51.9	51.9	58.2	48.7
JTN-5203	34.7	15.7	34.3	77.1	48.4	52.4	68.3	49.4
MD 01-206 RR	29.0	19.1	30.4	83.2	41.0	55.2	54.9	47.3
NCC01-256RR	25.8	14.2	33.5	80.4	44.0	51.2	55.1	46.4
R00-1940	25.6	17.3	37.1	74.9	42.4	57.1	55.9	47.4
R01-379	30.8	22.7	40.0	79.1	55.1	55.4	57.9	51.7
R01-4752RR	30.8	15.4	26.9	70.8	43.7	50.5	45.9	42.2
R01-4804RR	27.2	18.2	32.4	76.5	48.1	53.7	51.6	46.8
R01-976	30.1	19.7	39.9	83.1	53.5	60.6	58.0	52.5
S03-328RR	27.7	16.3	25.4	77.5	44.3	49.4	59.4	45.4
S03-383RR	29.3	16.9	28.6	82.5	50.3	61.7	50.0	48.3
TN02-104RR	22.3	17.3	34.5	81.0	49.9	58.9	67.3	51.5
TN02-205	24.4	15.7	27.5	78.5	48.0	59.0	50.0	46.5
TN02-283	28.5	16.6	23.1	72.0	42.6	49.4	52.0	42.6
V01-2245	31.5	16.0	33.9	76.6	52.6	64.4	56.3	50.0
L.S.D. (0.05)	9.6	4.8	8.5	7.1	6.3	7.7	8.1	.
C.V. (%)	16.6	16.7	14.8	5.5	7.9	8.3	8.6	.

Data not included in mean

TABLE 29 ~ Continued

STRAIN/ VARIETY	DELTA					
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	ROHWER AR	STONEVILLE MS	MEAN
5601T	79.2	59.5	65.3	57.2	50.5	63.6
5002T	70.7	62.0	71.7	60.0	43.3	61.9
AG 5501RR	74.3	56.5	66.8	57.4	40.7	59.6
ALLEN	77.1	56.4	56.4	58.4	41.3	57.8
DS-95-217-1-880	76.7	58.2	54.3	48.9	46.4	58.9
G03-1668 RR	76.6	60.9	65.8	61.2	37.9	60.3
G03-2282 RR	71.6	49.1	54.7	61.2	34.5	52.5
JTN-033	78.6	51.3	60.5	61.3	53.5	61.0
JTN-5203	83.8	63.2	66.9	54.0	48.9	65.7
MD 01-206 RR	76.7	53.3	58.5	57.3	52.3	60.2
NCC01-256RR	78.0	49.7	58.2	37.1	39.0	56.2
R00-1940	70.4	50.8	67.4	52.8	43.0	57.9
R01-379	74.5	55.9	60.4	62.0	47.7	59.6
R01-4752RR	67.9	49.9	62.3	53.6	47.2	56.8
R01-4804RR	72.7	55.0	66.9	56.6	48.7	60.8
R01-976	76.2	60.4	68.0	66.5	45.7	62.6
S03-328RR	72.4	64.0	79.2	42.7	38.3	63.4
S03-383RR	70.8	61.3	68.0	45.2	30.9	57.7
TN02-104RR	77.0	50.1	60.6	72.2	45.0	58.2
TN02-205	73.0	53.2	54.4	53.2	48.8	57.4
TN02-283	68.4	54.2	53.7	58.7	40.9	54.3
V01-2245	81.2	60.0	64.2	57.7	55.0	65.1
L.S.D. (0.05)	11.5	6.0	5.7	16.2	5.4	.
C.V. (%)	8.8	6.5	5.5	17.3	7.4	.

Data not included in mean

TABLE 29 ~ Continued

STRAIN/ VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5601T	32.4	27.2	22.5	32.5	29.1
5002T	30.4	16.2	23.3	34.6	29.4
AG 5501RR	24.6	16.7	18.3	33.3	25.4
ALLEN	35.2	27.1	20.2	35.5	30.3
DS-95-217-1-880	26.4	20.9	17.5	33.1	25.7
G03-1668 RR	25.3	27.1	17.9	35.0	26.1
G03-2282 RR	31.4	28.1	18.3	33.9	27.9
JTN-033	26.8	14.7	20.7	27.1	24.9
JTN-5203	23.9	10.0	16.6	35.1	25.2
MD 01-206 RR	24.4	29.4	19.8	28.9	24.4
NCC01-256RR	22.6	19.6	18.5	33.7	24.9
R00-1940	26.2	15.3	18.5	36.6	27.1
R01-379	30.5	26.3	18.4	33.2	27.4
R01-4752RR	23.0	10.7	20.1	31.2	24.8
R01-4804RR	23.2	30.0	21.6	33.0	25.9
R01-976	33.6	28.9	23.5	32.1	29.7
S03-328RR	29.7	13.4	16.3	32.2	26.0
S03-383RR	30.6	18.2	20.9	33.0	28.2
TN02-104RR	27.0	19.2	22.6	38.7	29.4
TN02-205	24.9	16.3	19.4	30.7	25.0
TN02-283	25.8	16.3	20.4	38.8	28.4
V01-2245	29.6	23.4	21.1	28.6	26.4
L.S.D. (0.05)	3.1	11.3	4.5	4.9	.
C.V. (%)	6.8	32.9	13.7	8.9	.

Data not included in mean

TABLE 30 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

OIL PERCENTAGES

STRAIN/ VARIETY	BELLE		BOSSIER		PINE			PORTAGE-	PORTAGE-	PRINCE-	QUEENS-	SUFFOLK VA	ULLIN IL	WARSAW VA	MEAN	
	MINA AL	BIXBY OK	CITY LA	KNOXVILLE TN	ORANGE VA	TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	VILLE MO(A)	VILLE MO(B)	TON KY					TOWN MD
5601T	.	17.3	.	20.9	19.0	.	17.6	.	20.1	.	19.9	18.4	.	18.4	16.7	18.7
5002T	.	17.8	.	22.6	19.1	.	18.5	.	21.8	.	20.2	18.6	.	19.7	17.4	19.5
AG 5501RR	.	18.3	.	20.5	18.3	.	19.1	.	19.3	.	19.8	18.8	.	19.0	16.7	18.9
ALLEN	.	17.6	.	20.3	18.4	.	19.3	.	19.4	.	19.3	18.2	.	18.6	16.3	18.6
DS-95-217-1-880	.	20.2	.	21.0	19.4	.	20.0	.	19.9	.	20.4	18.0	.	19.8	18.1	19.6
G03-1668 RR	.	18.5	.	21.6	19.4	.	20.3	.	20.0	.	20.2	18.5	.	19.2	17.7	19.5
G03-2282 RR	.	17.3	.	20.4	17.9	.	18.5	.	17.7	.	19.3	18.0	.	19.5	16.3	18.3
JTN-033	.	19.6	.	20.8	19.2	.	19.9	.	20.1	.	21.0	18.7	.	19.5	17.7	19.6
JTN-5203	.	17.8	.	21.8	19.5	.	19.9	.	19.3	.	20.2	18.8	.	20.1	16.9	19.4
MD 01-206 RR	.	18.2	.	21.6	19.4	.	18.4	.	20.2	.	19.9	18.1	.	19.6	16.8	19.1
NCC01-256RR	.	18.6	.	19.7	17.9	.	19.6	.	18.0	.	19.1	17.6	.	18.6	17.2	18.5
R00-1940	.	17.2	.	22.7	18.4	.	18.3	.	19.2	.	20.1	18.2	.	19.0	16.8	18.9
R01-379	.	16.5	.	20.0	17.3	.	18.3	.	19.8	.	18.8	18.6	.	18.7	17.3	18.4
R01-4752RR	.	17.6	.	22.4	19.6	.	19.5	.	19.7	.	19.6	18.2	.	19.9	17.8	19.4
R01-4804RR	.	18.4	.	23.2	18.8	.	20.0	.	19.2	.	19.2	18.6	.	19.3	17.5	19.4
R01-976	.	18.2	.	20.5	19.2	.	18.8	.	19.5	.	19.4	18.3	.	19.1	18.0	19.0
S03-328RR	.	19.5	.	21.9	20.7	.	19.6	.	20.0	.	20.3	19.3	.	19.6	18.8	20.0
S03-383RR	.	18.4	.	21.0	19.1	.	18.9	.	18.4	.	19.5	18.2	.	18.3	17.6	18.8
TN02-104RR	.	18.7	.	19.5	18.6	.	18.4	.	18.9	.	18.9	17.6	.	18.0	16.1	18.3
TN02-205	.	17.3	.	20.0	18.8	.	19.1	.	17.9	.	18.7	17.2	.	18.2	16.7	18.2
TN02-283	.	19.1	.	21.1	19.0	.	19.6	.	19.0	.	19.8	18.0	.	18.7	18.5	19.2
V01-2245	.	20.5	.	22.2	19.4	.	19.6	.	20.3	.	20.2	19.3	.	19.6	17.9	19.9

TABLE 30 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	BELLE		BOSSIER		PINE		PORTAGE-		PORTAGE-		PRINCE-	QUEENS-	SUFFOLK	ULLIN	WARSAW	MEAN
	MINA AL	BIXBY OK	CITY LA	KNOXVILLE TN	ORANGE VA	TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD	VA	IL	VA	
5601T	.	42.5	.	42.3	42.3	.	42.1	.	41.9	.	40.2	41.5	.	43.7	44.1	42.3
5002T	.	40.9	.	40.1	40.6	.	38.3	.	40.3	.	38.7	39.3	.	42.2	42.6	40.3
AG 5501RR	.	41.8	.	41.3	40.5	.	39.7	.	42.0	.	39.1	40.5	.	42.7	43.5	41.2
ALLEN	.	41.3	.	40.9	40.4	.	39.2	.	41.4	.	39.1	40.1	.	42.1	42.7	40.8
DS-95-217-1-880	.	40.5	.	41.3	40.1	.	39.0	.	40.5	.	38.1	40.3	.	40.9	40.8	40.2
G03-1668 RR	.	40.3	.	40.5	39.5	.	38.2	.	41.5	.	39.2	40.6	.	41.7	42.2	40.4
G03-2282 RR	.	42.6	.	41.3	40.0	.	39.6	.	45.0	.	41.8	42.2	.	43.2	44.4	42.2
JTN-033	.	42.3	.	42.6	42.2	.	40.9	.	40.8	.	38.7	42.4	.	43.3	43.6	41.9
JTN-5203	.	43.2	.	39.7	40.0	.	38.8	.	41.2	.	38.5	40.0	.	41.0	42.7	40.6
MD 01-206 RR	.	41.2	.	39.8	38.5	.	39.9	.	39.7	.	38.5	40.7	.	41.1	43.1	40.3
NCC01-256RR	.	40.9	.	40.4	39.9	.	40.0	.	41.6	.	39.5	40.4	.	41.9	41.4	40.7
R00-1940	.	41.5	.	40.4	40.6	.	38.4	.	42.9	.	39.8	41.9	.	42.4	43.3	41.2
R01-379	.	41.6	.	40.9	39.1	.	38.9	.	40.0	.	39.4	38.9	.	40.8	41.6	40.1
R01-4752RR	.	41.3	.	38.4	39.4	.	38.2	.	40.2	.	38.9	40.6	.	40.9	41.6	39.9
R01-4804RR	.	41.4	.	39.2	39.8	.	39.7	.	42.5	.	40.6	40.9	.	42.0	42.3	40.9
R01-976	.	41.8	.	41.3	39.7	.	40.3	.	41.9	.	40.5	40.9	.	42.6	41.4	41.2
S03-328RR	.	41.9	.	42.9	40.7	.	40.3	.	42.7	.	40.1	41.1	.	42.8	42.9	41.7
S03-383RR	.	41.3	.	43.7	41.5	.	40.7	.	43.6	.	40.6	41.6	.	43.9	43.0	42.2
TN02-104RR	.	40.8	.	42.3	41.1	.	40.7	.	42.2	.	38.7	41.6	.	42.7	43.5	41.5
TN02-205	.	42.2	.	41.7	40.1	.	39.1	.	43.1	.	40.3	41.9	.	43.6	43.5	41.7
TN02-283	.	39.8	.	40.4	39.5	.	37.5	.	41.0	.	36.5	39.5	.	41.1	40.1	39.5
V01-2245	.	39.2	.	38.6	39.8	.	38.2	.	39.8	.	37.4	38.5	.	40.8	41.1	39.3

TABLE 30 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	BELLE		BOSSIER		PINE				PORTAGE-	PORTAGE-	PRINCE-	QUEENS-	SUFFOLK VA	ULLIN IL	WARSAW VA	MEAN
	MINA AL	BIXBY OK	CITY LA	KNOXVILLE TN	ORANGE VA	TREE AR	PITTSBURG KS	PLYMOUTH NC(A)	VILLE MO(A)	VILLE MO(B)	TON KY	TOWN MD				
5601T	21.4	16.4	13.7	15.2	17.5	14.1	15.3	14.8	11.5	11.4	12.6	13.7	33.6	14.9	13.8	16.2
5002T	22.0	16.8	13.5	15.9	17.4	16.0	15.8	15.6	13.5	14.1	15.4	13.7	29.2	16.6	14.9	16.9
AG 5501RR	22.5	17.2	13.9	16.0	17.5	14.3	14.6	15.2	11.2	12.1	13.9	13.3	31.0	14.7	14.0	16.3
ALLEN	25.1	17.5	13.9	16.4	18.9	15.8	14.2	14.6	10.8	11.0	13.5	14.1	31.5	14.2	13.5	16.5
DS-95-217-1-880	21.1	17.1	14.0	16.2	18.2	16.5	15.8	14.3	12.9	11.2	14.8	13.4	30.4	15.0	15.6	16.6
G03-1668 RR	24.0	16.8	12.3	15.0	18.7	14.4	14.1	15.4	10.8	11.4	14.5	13.6	32.1	13.9	13.7	16.3
G03-2282 RR	24.1	15.4	14.3	12.4	15.8	13.5	13.3	12.0	13.1	0.0	12.0	11.3	35.2	11.8	12.3	14.4
JTN-033	19.7	15.2	12.1	13.1	16.8	13.5	14.3	14.0	0.0	0.0	11.9	12.9	33.2	12.7	13.2	13.6
JTN-5203	20.5	17.2	14.4	13.1	16.3	14.5	14.5	12.6	10.9	10.9	12.0	11.7	34.9	13.7	13.7	15.5
MD 01-206 RR	19.7	15.8	11.2	13.2	16.1	12.6	13.7	12.8	10.0	0.0	11.2	12.0	30.7	13.0	13.1	13.9
NCC01-256RR	21.4	15.7	11.8	13.9	18.0	15.5	15.9	14.4	11.0	11.1	13.6	11.3	27.8	13.3	13.1	15.4
R00-1940	20.2	19.4	12.4	14.0	17.2	15.0	16.5	13.6	10.6	11.1	13.3	12.1	31.3	14.6	14.7	16.0
R01-379	24.8	19.4	14.7	17.4	21.5	16.3	16.6	18.2	13.2	13.6	16.9	14.7	27.1	16.7	15.9	18.0
R01-4752RR	21.7	17.9	12.5	13.2	17.9	14.9	17.9	14.3	10.9	11.5	13.0	12.0	32.8	13.7	13.8	16.1
R01-4804RR	22.7	18.5	14.7	14.3	18.5	14.6	17.4	13.9	10.2	11.2	13.4	13.3	30.8	13.8	14.3	16.2
R01-976	24.6	18.7	14.6	18.2	20.0	16.8	17.5	15.3	13.7	12.8	16.0	15.5	29.3	15.9	15.3	17.8
S03-328RR	23.9	19.5	9.8	15.5	19.1	16.0	20.5	16.6	12.9	13.7	12.8	15.8	29.4	16.8	17.0	17.8
S03-383RR	24.2	19.0	14.9	15.8	19.9	15.4	20.0	14.5	12.3	11.8	15.7	15.4	28.2	16.9	16.7	17.6
TN02-104RR	21.2	15.5	12.5	14.5	17.0	13.8	16.3	13.3	0.0	10.0	12.2	12.1	33.9	13.1	13.4	14.7
TN02-205	21.2	15.5	12.2	11.8	14.5	13.3	15.7	13.8	10.2	0.0	11.7	6.7	34.4	12.8	12.4	13.9
TN02-283	22.2	17.0	14.0	14.7	18.2	15.8	14.9	14.4	12.3	12.5	13.5	12.6	31.2	15.2	14.6	16.4
V01-2245	20.7	15.8	12.4	13.0	16.5	14.3	17.5	13.5	11.2	10.7	12.0	11.5	31.9	12.9	13.0	15.3

Data not included in mean

**TABLE 31 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN 5601T,
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006**

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC(A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	10/18	10/07	.	10/29	10/24	10/19
5002T	-10	-3	.	-6	-6	-6
AG 5501RR	-2	3	.	-3	1	0
ALLEN	-7	10	.	-3	7	2
DS-95-217-1-880	1	-1	.	0	-1	0
G03-1668 RR	3	4	.	-3	0	2
G03-2282 RR	5	6	.	-6	2	2
JTN-033	-4	4	.	-3	-1	-1
JTN-5203	-6	-2	.	-3	0	-2
MD 01-206 RR	-5	1	.	0	-2	-1
NCC01-256RR	0	3	.	0	-1	1
R00-1940	-1	-1	.	-3	-3	-2
R01-379	1	5	.	3	1	3
R01-4752RR	-3	-2	.	0	-4	-2
R01-4804RR	-1	-2	.	0	-2	-1
R01-976	5	6	.	-3	2	3
S03-328RR	-5	-2	.	0	-6	-3
S03-383RR	2	2	.	0	-2	1
TN02-104RR	-1	1	.	-6	-1	-1
TN02-205	-8	-1	.	0	-5	-3
TN02-283	1	-2	.	1	-2	0
V01-2245	-1	3	.	0	0	1

TABLE 31 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	ULLIN IL	MEAN
5601T	09/27	09/25	09/29	.	.	.	10/14	10/03
5002T	-2	-6	-4	.	.	.	-7	-6
AG 5501RR	-7	4	5	.	.	.	-1	2
ALLEN	-7	14	11	.	.	.	9	11
DS-95-217-1-880	-4	-4	8	.	.	.	0	1
G03-1668 RR	-11	9	6	.	.	.	9	8
G03-2282 RR	2	14	9	.	.	.	9	11
JTN-033	-4	-4	3	.	.	.	1	-1
JTN-5203	-11	-5	-3	.	.	.	-5	-4
MD 01-206 RR	0	-1	1	.	.	.	-3	-1
NCC01-256RR	-2	7	5	.	.	.	0	4
R00-1940	0	-4	-4	.	.	.	-3	-4
R01-379	2	5	8	.	.	.	6	6
R01-4752RR	-7	-5	-3	.	.	.	-7	-5
R01-4804RR	-2	-2	-1	.	.	.	-4	-3
R01-976	0	5	11	.	.	.	9	8
S03-328RR	-8	-5	-4	.	.	.	-4	-5
S03-383RR	-7	3	4	.	.	.	0	2
TN02-104RR	0	10	4	.	.	.	-1	4
TN02-205	0	-6	-4	.	.	.	-5	-5
TN02-283	2	2	1	.	.	.	0	1
V01-2245	-5	1	6	.	.	.	-5	0

Data not included in mean

TABLE 31 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5601T	10/01	09/26	.	10/03	10/06	10/01
5002T	-5	-5	.	-3	-10	-7
AG 5501RR	1	0	.	-1	4	2
ALLEN	6	7	.	5	6	6
DS-95-217-1-880	3	-1	.	0	-3	0
G03-1668 RR	3	5	.	0	-2	2
G03-2282 RR	6	8	.	1	0	5
JTN-033	-1	-2	.	-2	-4	-2
JTN-5203	-1	-4	.	-5	-5	-3
MD 01-206 RR	-2	-3	.	-3	-4	-3
NCC01-256RR	4	0	.	1	-1	1
R00-1940	0	-1	.	-4	-7	-3
R01-379	1	3	.	-1	-4	0
R01-4752RR	0	-2	.	-4	-4	-2
R01-4804RR	2	-2	.	-2	-4	-1
R01-976	2	6	.	1	0	3
S03-328RR	-6	-4	.	-8	-13	-8
S03-383RR	12	2	.	0	5	6
TN02-104RR	2	-1	.	-1	-1	0
TN02-205	-4	-1	.	-5	-5	-3
TN02-283	2	0	.	0	-3	0
V01-2245	1	2	.	0	-3	0

Data not included in mean

NOTE: No maturity data was received for any of the locations in the West area.

TABLE 32 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	PLYMOUTH NC(A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	27	34	26	24	31	28
5002T	22	29	23	27	27	26
AG 5501RR	22	34	23	31	30	28
ALLEN	27	37	29	30	37	32
DS-95-217-1-880	26	29	19	21	24	24
G03-1668 RR	25	35	26	26	33	29
G03-2282 RR	24	34	24	22	30	27
JTN-033	25	31	24	23	26	26
JTN-5203	25	31	24	24	28	26
MD 01-206 RR	23	31	23	22	28	25
NCC01-256RR	20	33	24	24	25	25
R00-1940	19	27	20	30	25	24
R01-379	22	30	23	25	28	25
R01-4752RR	23	28	22	24	25	24
R01-4804RR	22	31	25	26	29	27
R01-976	23	35	24	25	31	28
S03-328RR	27	41	27	31	34	32
S03-383RR	23	41	31	35	34	33
TN02-104RR	26	31	22	26	28	27
TN02-205	20	26	18	22	23	22
TN02-283	19	27	19	23	25	23
V01-2245	23	31	24	25	28	26

TABLE 32 ~ Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	ULLIN IL	MEAN
5601T	23	25	32	35	41	34	34
5002T	31	23	23	31	35	27	28
AG 5501RR	30	26	27	35	43	36	33
ALLEN	22	27	28	36	46	39	35
DS-95-217-1-880	33	21	24	29	36	28	27
G03-1668 RR	21	26	26	36	40	36	33
G03-2282 RR	26	25	26	36	41	35	33
JTN-033	18	20	25	31	37	31	29
JTN-5203	29	22	24	35	40	34	31
MD 01-206 RR	26	22	23	32	39	32	30
NCC01-256RR	27	24	24	33	38	35	31
R00-1940	25	22	23	31	37	31	29
R01-379	34	23	23	34	40	33	31
R01-4752RR	30	21	19	31	36	29	27
R01-4804RR	21	23	25	34	38	34	31
R01-976	32	23	27	39	41	34	33
S03-328RR	23	28	30	42	49	48	39
S03-383RR	22	29	29	43	46	41	38
TN02-104RR	31	24	24	38	39	33	32
TN02-205	36	19	23	29	38	25	27
TN02-283	23	23	20	29	31	27	26
V01-2245	23	23	24	32	41	29	30

Data not included in mean

TABLE 32 ~ Continued

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	AR	MS	
5601T	35	30	27	33	28	30
5002T	29	22	21	29	26	24
AG 5501RR	30	32	23	31	34	30
ALLEN	35	29	24	38	32	30
DS-95-217-1-880	22	18	17	22	20	19
G03-1668 RR	33	28	27	32	30	29
G03-2282 RR	33	26	27	32	32	29
JTN-033	30	20	18	28	30	24
JTN-5203	30	20	17	26	26	23
MD 01-206 RR	31	18	17	28	26	23
NCC01-256RR	27	25	20	21	24	24
R00-1940	29	17	19	26	22	22
R01-379	30	22	21	27	24	24
R01-4752RR	23	18	21	23	22	21
R01-4804RR	26	22	22	30	26	24
R01-976	31	30	25	31	30	29
S03-328RR	45	38	35	40	46	41
S03-383RR	38	36	35	40	46	39
TN02-104RR	29	18	19	29	24	22
TN02-205	26	17	16	26	22	20
TN02-283	25	19	17	24	26	22
V01-2245	30	21	24	25	30	26

Data not included in mean

TABLE 32 ~ Continued

STRAIN VARIETY	WEST				MEAN
	BIXBY OK	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5601T	22	28	24	34	27
5002T	19	23	25	32	25
AG 5501RR	20	26	28	35	28
ALLEN	23	27	25	37	28
DS-95-217-1-880	16	19	18	24	19
G03-1668 RR	20	29	22	32	25
G03-2282 RR	19	26	24	33	25
JTN-033	17	18	22	27	22
JTN-5203	19	21	21	30	23
MD 01-206 RR	17	22	24	30	23
NCC01-256RR	16	24	22	29	22
R00-1940	16	22	23	32	24
R01-379	18	24	26	32	25
R01-4752RR	15	18	20	29	22
R01-4804RR	19	21	24	29	24
R01-976	19	23	26	32	26
S03-328RR	25	38	26	33	28
S03-383RR	25	36	27	33	29
TN02-104RR	20	22	27	35	27
TN02-205	19	19	21	27	23
TN02-283	19	19	22	28	23
V01-2245	18	21	23	29	23

Data not included in mean

**TABLE 33 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V,
2006**

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC(A)	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	2.0	1.5	1.2	2.1	1.7
5002T	2.0	2.0	1.7	2.7	2.1
AG 5501RR	2.3	1.7	1.3	1.4	1.7
ALLEN	2.0	1.3	1.2	1.9	1.6
DS-95-217-1-880	2.3	1.3	1.0	1.5	1.6
G03-1668 RR	3.3	2.8	1.5	3.4	2.8
G03-2282 RR	2.7	1.8	1.2	2.6	2.1
JTN-033	2.0	1.5	1.2	2.2	1.7
JTN-5203	2.0	1.5	1.0	2.5	1.8
MD 01-206 RR	2.0	1.3	1.3	1.7	1.6
NCC01-256RR	2.3	1.7	1.0	1.9	1.7
R00-1940	2.7	1.7	1.7	2.4	2.1
R01-379	2.3	2.2	1.2	3.3	2.3
R01-4752RR	2.3	1.7	1.3	2.4	1.9
R01-4804RR	5.0	2.0	1.5	2.7	2.8
R01-976	3.0	1.5	1.2	2.1	2.0
S03-328RR	2.3	1.5	1.3	1.5	1.7
S03-383RR	2.3	1.7	1.8	1.9	1.9
TN02-104RR	2.3	1.2	1.2	1.6	1.6
TN02-205	2.0	1.3	1.3	1.6	1.6
TN02-283	2.3	1.5	1.2	2.3	1.8
V01-2245	2.0	1.5	1.0	2.3	1.7

TABLE 33 ~Continued

SOUTH

STRAIN/ VARIETY	ALEXANDRIA LA	BELLE MINA AL	KNOXVILLE TN	MILAN TN	ORANGE VA	PRINCETON KY	MEAN
5601T	1.0	1.0	2.7	2.0	2.3	2.7	2.1
5002T	1.0	1.0	1.8	2.0	2.0	2.5	1.9
AG 5501RR	1.0	1.0	2.2	2.0	2.7	2.5	2.1
ALLEN	1.0	1.0	2.7	2.0	2.7	2.8	2.2
DS-95-217-1-880	1.0	1.0	1.0	1.0	1.7	2.2	1.4
G03-1668 RR	1.0	1.0	3.3	2.0	3.0	2.8	2.4
G03-2282 RR	1.0	1.0	2.2	2.7	2.7	3.5	2.4
JTN-033	1.0	1.0	2.2	2.3	2.0	2.5	2.0
JTN-5203	1.0	1.0	1.5	2.0	2.0	2.8	1.9
MD 01-206 RR	1.0	1.0	2.0	1.0	2.3	2.0	1.7
NCC01-256RR	1.0	1.0	2.3	2.0	2.0	2.7	2.0
R00-1940	1.0	1.0	2.0	3.3	3.0	3.0	2.5
R01-379	1.0	1.0	2.3	2.3	3.0	3.0	2.3
R01-4752RR	1.0	1.0	1.8	2.3	3.0	2.7	2.2
R01-4804RR	1.0	1.0	2.0	2.3	2.7	3.5	2.3
R01-976	1.0	1.0	1.8	2.0	2.7	3.3	2.2
S03-328RR	1.0	1.0	2.0	1.0	1.0	2.0	1.4
S03-383RR	1.0	1.0	2.3	2.3	1.7	2.3	1.9
TN02-104RR	1.0	1.0	1.8	1.3	2.0	2.2	1.7
TN02-205	1.0	1.0	1.3	1.0	1.7	2.0	1.4
TN02-283	1.0	1.0	1.7	2.0	2.7	2.2	1.9
V01-2245	1.0	1.0	2.2	2.0	3.0	2.8	2.2

Data not included in mean

TABLE 33 ~Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5601T	1.8	1.0	1.0	2.0	1.5
5002T	1.8	1.0	1.0	2.0	1.5
AG 5501RR	2.2	1.5	1.0	2.0	1.7
ALLEN	2.5	1.5	1.0	2.0	1.8
DS-95-217-1-880	1.8	1.0	1.0	2.0	1.5
G03-1668 RR	3.5	1.5	1.0	2.0	2.0
G03-2282 RR	2.2	1.5	1.0	2.0	1.7
JTN-033	1.7	1.0	1.0	2.0	1.4
JTN-5203	1.7	1.0	1.0	2.0	1.4
MD 01-206 RR	1.5	1.0	1.0	2.0	1.4
NCC01-256RR	1.8	1.0	1.0	2.0	1.5
R00-1940	2.2	1.0	1.0	2.0	1.5
R01-379	2.2	1.0	1.0	2.0	1.5
R01-4752RR	1.4	1.0	1.0	2.0	1.4
R01-4804RR	2.8	1.0	1.0	2.0	1.7
R01-976	3.0	1.5	1.5	2.0	2.0
S03-328RR	2.5	1.5	1.0	2.0	1.8
S03-383RR	3.2	1.5	1.5	3.0	2.3
TN02-104RR	1.3	1.0	1.0	2.0	1.3
TN02-205	1.5	1.0	1.0	2.0	1.4
TN02-283	2.2	1.0	1.0	2.0	1.5
V01-2245	2.0	1.0	1.0	2.0	1.5

TABLE 33 ~Continued

STRAIN/ VARIETY	WEST			MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	
5601T	1.0	1.0	1.3	1.2
5002T	1.0	1.0	1.3	1.2
AG 5501RR	1.0	1.0	1.0	1.0
ALLEN	1.0	1.0	1.7	1.3
DS-95-217-1-880	1.0	1.0	1.0	1.0
G03-1668 RR	1.0	1.0	2.3	1.7
G03-2282 RR	1.0	1.0	2.0	1.5
JTN-033	1.0	1.0	1.0	1.0
JTN-5203	1.0	1.0	1.0	1.0
MD 01-206 RR	1.0	1.0	1.0	1.0
NCC01-256RR	1.0	1.0	1.0	1.0
R00-1940	1.0	1.0	2.0	1.5
R01-379	1.0	1.0	1.7	1.3
R01-4752RR	1.3	1.0	1.0	1.0
R01-4804RR	1.0	1.0	1.0	1.0
R01-976	1.0	1.0	1.3	1.2
S03-328RR	1.3	1.0	1.0	1.0
S03-383RR	1.3	1.0	1.0	1.0
TN02-104RR	1.0	1.0	1.3	1.2
TN02-205	1.0	1.0	1.0	1.0
TN02-283	1.3	1.0	1.0	1.0
V01-2245	1.0	1.0	1.0	1.0

Data not included in mean

TABLE 34 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2006

STRAIN/ VARIETY	EAST			MEAN
	QUEENSTOWN MD	SUFFOLK VA	WARSAW VA	
5601T	1.0	1.3	1.3	1.2
5002T	1.2	2.3	1.5	1.7
AG 5501RR	1.0	2.0	1.5	1.5
ALLEN	1.2	1.7	1.3	1.4
DS-95-217-1-880	1.5	1.3	1.2	1.4
G03-1668 RR	1.3	1.7	1.3	1.4
G03-2282 RR	1.0	1.0	1.1	1.0
JTN-033	1.0	1.0	1.1	1.0
JTN-5203	1.2	2.0	1.5	1.6
MD 01-206 RR	1.2	1.3	1.2	1.2
NCC01-256RR	1.2	2.0	1.4	1.5
R00-1940	1.0	1.3	1.2	1.2
R01-379	1.0	1.7	1.2	1.3
R01-4752RR	1.5	2.0	1.4	1.6
R01-4804RR	1.5	2.3	1.6	1.8
R01-976	1.0	1.7	1.2	1.3
S03-328RR	1.0	2.0	1.7	1.6
S03-383RR	1.5	2.3	1.9	1.9
TN02-104RR	1.0	2.0	1.2	1.4
TN02-205	1.0	1.7	1.4	1.4
TN02-283	1.0	1.7	1.5	1.4
V01-2245	1.0	2.7	1.4	1.7

TABLE 34 ~Continued

STRAIN/ VARIETY	SOUTH					MEAN
	BELLE MINA AL	KNOXVILLE TN	ORANGE VA	PRINCETON KY	ULLIN IL	
5601T	1.0	2.0	1.0	1.0	1.3	1.3
5002T	1.0	2.0	1.3	2.0	1.3	1.5
AG 5501RR	1.0	2.0	1.7	1.0	1.3	1.4
ALLEN	1.0	2.0	1.3	1.0	1.7	1.4
DS-95-217-1-880	1.0	2.0	1.3	2.0	1.3	1.5
G03-1668 RR	1.0	2.0	1.0	2.0	2.0	1.6
G03-2282 RR	1.0	1.0	1.3	1.0	1.3	1.1
JTN-033	1.0	2.0	1.0	2.0	1.7	1.5
JTN-5203	1.0	2.0	1.3	2.0	1.0	1.5
MD 01-206 RR	1.0	2.0	1.7	1.0	1.0	1.3
NCC01-256RR	1.0	2.0	1.0	2.0	2.0	1.6
R00-1940	1.0	2.0	1.0	2.0	1.7	1.5
R01-379	1.0	2.0	1.0	2.0	1.3	1.5
R01-4752RR	1.0	2.0	1.0	2.0	1.7	1.5
R01-4804RR	2.0	3.0	2.0	2.0	2.0	2.2
R01-976	2.0	2.0	1.0	2.0	1.3	1.7
S03-328RR	2.0	3.0	1.0	2.0	1.3	1.9
S03-383RR	2.0	5.0	1.3	2.0	2.0	2.5
TN02-104RR	1.0	2.0	1.0	1.0	1.0	1.2
TN02-205	1.0	2.0	1.0	2.0	1.3	1.5
TN02-283	1.5	3.0	1.0	3.0	1.0	1.9
V01-2245	1.0	2.0	1.0	2.0	1.3	1.5

TABLE 34 ~Continued

STRAIN/ VARIETY	DELTA				MEAN
	PINE TREE AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
5601T	2.3	3.0	4.0	2.0	2.8
5002T	1.7	4.0	4.0	2.0	2.9
AG 5501RR	2.5	3.0	4.0	2.0	2.9
ALLEN	2.7	4.0	4.0	2.0	3.2
DS-95-217-1-880	2.5	4.0	5.0	2.0	3.4
G03-1668 RR	2.0	3.0	4.0	2.0	2.8
G03-2282 RR	2.2	3.0	4.0	2.0	2.8
JTN-033	2.2	4.0	4.0	2.0	3.0
JTN-5203	2.3	4.0	4.0	2.0	3.1
MD 01-206 RR	2.0	3.0	4.0	2.0	2.8
NCC01-256RR	2.5	4.0	4.0	2.0	3.1
R00-1940	1.7	4.0	4.0	2.0	2.9
R01-379	2.3	3.0	4.0	2.0	2.8
R01-4752RR	2.7	3.0	4.0	2.0	2.9
R01-4804RR	2.5	3.0	4.0	2.0	2.9
R01-976	2.7	4.0	3.0	2.0	2.9
S03-328RR	3.2	4.0	4.0	2.0	3.3
S03-383RR	3.0	4.0	5.0	2.0	3.5
TN02-104RR	1.8	4.0	4.0	2.0	3.0
TN02-205	1.6	3.0	5.0	2.0	2.9
TN02-283	2.2	3.0	4.0	2.0	2.8
V01-2245	2.0	4.0	4.0	2.0	3.0

TABLE 34 ~Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY LA	PITTSBURG KS	
5601T	2.7	1.0	1.0
5002T	2.8	1.0	1.0
AG 5501RR	2.5	1.0	1.0
ALLEN	2.2	1.0	1.0
DS-95-217-1-880	2.7	1.0	1.0
G03-1668 RR	2.2	1.0	1.0
G03-2282 RR	2.5	1.0	1.0
JTN-033	2.3	1.0	1.0
JTN-5203	2.7	1.0	1.0
MD 01-206 RR	2.3	1.0	1.0
NCC01-256RR	2.2	1.0	1.0
R00-1940	2.5	1.0	1.0
R01-379	2.2	1.0	1.0
R01-4752RR	2.8	1.0	1.0
R01-4804RR	3.2	1.0	1.0
R01-976	2.2	1.0	1.0
S03-328RR	2.3	1.0	1.0
S03-383RR	2.7	1.0	1.0
TN02-104RR	2.2	1.0	1.0
TN02-205	2.5	1.0	1.0
TN02-283	2.7	1.0	1.0
V01-2245	2.3	1.0	1.0

Data not included in mean

PRELIMINARY GROUP V

2006

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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. 5601T	HUTCHESON x TN89-39	
2. 5002T	Holladay X Manokin	
3. AG 5501RR	Commercial check	
4. ALLEN	5601T [3] x (TN93-99 [3] x Monsanto RR)	
5. DB01-5289	A5979 W,G,TN X R92-1294/DP3588	F6
6. DB02-7391	MD94-5396 P,G X DP3478 P,T,TN	F6
7. DB03-2811	DT96-16809 P,T,T X DT97-4290 P,T,T	F6
8. DB03-6323	R93-171 W,G X R95-798 P,G,T	F6
9. DB03-6829	R93-171 W,G X DT97-6308 W,G,T	F6
10. G03-1396 RR	G94-3117 X H7242 RR	F5d
11. G03-2354 RR	G94-3117 X Boggs RR	F5d
12. G03-2464 RR	G94-3117 X Boggs RR	F5d
13. G04-186 RR	SC94-1075 X H7242 RR	F5d
14. JTN-5106	DP 5960 RR x ANAND-4-CYST02	
15. K04-4277RR	Md 97-6065/K97-135	F5
16. K04-4529RR	K1425/K97-138 P/W	F5
17. K04-4623RR	K1463/K97-138	F5
18. K04-4628RR	K1463/K97-138	F5
19. K04-4642RR	K1463/K97-135	F5
20. LS03-2063	K1425 x M90-184111	F6
21. LS03-4294	Pana x TN96-58	F6
22. LS03-4540	K1425 x Macon	F6
23. LS03-4943	RxEF59-79 x LS94-3207	F6
24. LS03-7521	LS96-1631 x TN96-58	F6
25. DB03- 3130	R95-798 P,G,T X DT96-16809 P,T,T	F6
26. MD 03-144 RR	Md 92-5769(4) x RR	F5
27. MD 03-146 RR	Md 92-5769(4) x RR	F5
28. MD 03-72 RR	MANOKIN(4) x RR	F5
29. MD 03-75 RR	MANOKIN(4) x RR	F5
30. N00-506	N90-516 X N92-589	F4
31. N03-9	SC92-2482 X Holladay	F4
32. NCC02-20578	TN93-99 x Fowler	
33. NCC02-20626	TN93-99 x Fowler	
34. NCC02-22219	V91-3036 x TN98-76,077	
35. NCC02-23908RR	TN99-76,194 x TN93-99RR	
36. NCC03-105RR	(TN93-142[3] x Monstanto RR)BC3F2:3	
37. R01-375	R96-2660 x HBK 5990	
38. R01-4675RR	Hartz 4994 x 97668 (N92-598)	
39. R01-4873RR	HBK x 97651	
40. R02-2795RR	Caviness x 97663 (Ky91-13)	
41. R03-224	R96-209 x 99507	
42. S04-18466	S99-2281 X S00-9705RR	
43. S04-21198	S99-2281 X DP5960RR	
44. S04-21273	S99-2281 X DP5960RR	
45. S04-21357	P1 X S00-9705RR	
46. S04-21494	P1 X S98-3940-04RR	
47. S04-6511	S98-1375 X F1-00-129	
48. TN02-151RR	Anand x (TN95-53 x Monsanto RR)	
49. TN04-529RR	5601T x (Fowler x TN93-87RR)	
50. TN04-593RR	5601T x (Fowler x TN93-87RR)	
51. TN04-598RR	TN97-271 x (Fowler x TN93-87RR)	

TABLE 36 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP V, 2006 ~ MEAN OF 10 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	AVG.		MAT. INDEX	LOGGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT---			SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SC RATING	SC SCORE	FL COLOR
		RANK	RANK						PROTEIN	OIL	1.2.5.7	7	1.3.5.6.7				
												2	3	14			
5601T	47.5	3	20	10/05	1.4	30	1.4	12.5	42.5	18.6	4	4	5	MR	2	W	
5002T	47.7	1	20	5-	1.4	27	1.6	13.5	41.2-	18.9	5	5	5	R	1	W	
AG 5501RR	47.5	3	19	0	1.5	29	1.7	12.4	41.2-	19.0	5	1	2	S	5	P	
ALLEN	47.0	7	21	8+	1.9	33	1.4	12.5	41.5	18.5	5	5	5	SS	3	W	
DB01-5289	43.2	28	24	1-	1.6	27	1.7	12.9	42.2	18.4	5	2	3	R	1	W	
DB02-7391	43.3	27	23	6-	1.4	24	1.6	14.4	40.9-	18.0	5	5	5	R	1	W	
DB03-2811	45.7	12	22	2+	2.8	30	1.9	13.0	42.7	17.9	2	1	2	R	1	P	
DB03-6323	41.6-	40	25	1+	1.9	27	2.1	13.4	41.8	18.3	5	5	4	R	1	P	
DB03-6829	43.6	25	22	2-	2.7	30	2.1	13.0	40.9-	18.1	4	1	2	R	1	W	
G03-1396 RR	36.7-	51	29	10+	2.1	35	2.3	11.9	42.2	17.7-	5	1	4	R	1	P	
G03-2354 RR	42.1-	38	24	9+	2.3	32	2.2	11.3	42.2	17.8	4	1	5	R	1	W	
G03-2464 RR	44.3	21	23	7+	1.9	32	1.7	11.2	42.8	17.9	4	1	5	R	1	W	
G04-186 RR	42.5-	36	24	8+	1.6	31	2.2	11.3	41.8	19.2	4	1	5	R	1	P	
JTN-5106	45.4	15	21	7+	1.8	31	2.1	13.1	40.9-	18.7	3	3	2	MS	4	W	
K04-4277RR	42.1-	38	24	3+	2.3	31	1.8	13.5	40.6-	19.0	4	2	5	S	5	P	
K04-4529RR	43.0-	29	23	6-	1.3	24	1.8	11.7	40.1-	19.2	2	1	1	S	5	W	
K04-4623RR	47.4	4	20	0	1.3	26	1.7	12.8	39.5-	19.4	3	1	4	S	5	W	
K04-4628RR	45.5	13	21	1-	1.7	29	1.4	13.0	39.0-	19.5	2	1	5	S	5	W	
K04-4642RR	45.4	15	21	3-	1.4	26	1.6	13.2	40.1-	18.3	3	1	4	S	5	SEG	
LS03-2063	41.1-	43	24	6-	1.3	23	1.7	13.3	39.7-	19.3	3	1	1	R	1	W	
LS03-4294	47.0	7	20	5-	1.1	24	1.8	12.3	41.8	18.9	5	2	2	MR	2	W	
LS03-4540	46.5	10	20	3-	1.3	21	2.0	13.6	40.1-	18.3	2	4	1	R	1	W	
LS03-4943	40.2-	45	26	5-	1.3	23	1.9	14.5	42.9	18.8	5	4	5	MR	2	W	
LS03-7521	44.8	18	21	5-	1.3	29	2.2	12.8	41.5	19.8+	5	1	5	R	1	P	
DB03- 3130	40.2-	45	26	1-	2.0	27	2.0	11.7	43.4	17.8	4	1	5	R	1	P	
MD 03-144 RR	39.1-	47	27	6-	1.2	22	1.6	11.9	40.1-	18.7	5	5	5	R	1	P	
MD 03-146 RR	37.7-	49	28	4-	1.2	23	1.9	12.0	38.9-	19.3	5	4	5	R	1	P	
MD 03-72 RR	41.9-	39	24	7-	1.4	28	1.6	10.1	39.3-	18.8	5	1	5	R	1	W	
MD 03-75 RR	42.7-	33	24	6-	1.6	28	1.6	11.2	40.0-	19.1	4	1	5	R	1	W	
N00-506	44.4	20	22	5+	2.0	29	2.1	14.2	40.7-	20.1+	5	5	5	SS	3	P	
N03-9	44.6	19	23	0	1.3	25	1.9	14.9	41.8	18.4	5	5	5	S	5	W	
NCC02-20578	42.8-	31	24	2+	1.3	24	1.7	13.1	39.5-	19.2	5	4	5	R	1	W	
NCC02-20626	42.6-	34	24	5-	1.4	23	1.7	11.7	37.8-	19.1	5	5	5	R	1	W	
NCC02-22219	44.2	23	22	0	1.8	28	1.9	15.2	43.1	18.3	5	5	5	R	1	P	
NCC02-23908RR	42.8-	31	24	5+	1.4	23	1.8	12.8	40.7-	19.7+	5	5	5	R	1	W	
NCC03-105RR	45.8	11	20	7+	1.6	26	2.0	12.7	40.4-	19.0	3	2	2	R	1	SEG	
R01-375	46.9	9	20	0	1.3	25	1.9	15.4	40.5-	18.1	4	3	5	R	1	W	
R01-4675RR	38.9-	48	26	2+	1.5	26	1.9	12.0	40.0-	18.9	4	1	3	S	5	P	
R01-4873RR	37.0-	50	29	3-	1.6	24	1.7	13.1	43.6+	16.9-	5	4	3	R	1	P	
R02-2795RR	39.5-	46	26	1-	1.3	25	1.4	13.1	40.4-	19.6+	5	5	5	R	1	W	
R03-224	45.1	17	21	0	1.4	26	1.8	14.3	42.0	18.2	4	5	5	R	1	P	
S04-18466	42.5-	36	24	4+	1.7	29	1.8	11.3	41.5	18.5	4	5	5	SS	3	W	
S04-21198	44.2	23	22	6+	1.9	30	1.9	11.2	42.1	18.2	3	1	2	SS	3	W	
S04-21273	47.3	5	20	4+	2.2	29	2.0	14.0	40.0-	18.1	4	1	1	R	1	W	
S04-21357	43.5	26	22	5+	2.0	33	2.3	14.6	41.7	19.5	4	3	3	R	1	W	
S04-21494	43.8	24	22	5+	2.2	41	2.3	14.0	42.6	18.1	5	2	4	R	1	W	
S04-6511	41.2-	42	25	4-	1.4	27	1.8	13.1	42.5	17.6-	5	3	5	S	5	SEG	
TN02-151RR	45.1	17	21	1-	1.4	27	2.0	13.5	43.4	17.9	4	1	3	S	5	W	
TN04-529RR	42.8-	31	24	0	1.1	29	1.8	11.8	42.3	18.3	5	5	5	R	1	W	
TN04-593RR	47.0	7	20	0	1.5	30	1.7	12.5	40.1-	18.6	5	5	5	R	1	W	
TN04-598RR	41.5-	41	25	5+	1.6	28	2.0	12.4	40.2-	19.7+	5	5	5	MR	2	P	
OVERALL MEAN	43.5								41.2	18.7							
LSD (.05)	4.5								1.1	0.9							
C.V.	11%								2%	4%							

TABLE 37 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	MCCUNE KS	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ROHWER AR	ULLIN IL	WARSAW VA	MEAN
5601T	35.1	26.0	21.4	74.6	30.2	57.6	34.9	62.9	63.4	38.3	47.5
5002T	33.4	29.6	23.2	80.6	26.6	61.3	35.6	58.5	62.4	41.2	47.7
AG 5501RR	32.3	31.6	15.5-	78.0	35.4	58.5	39.2	57.7	63.3	41.2	47.5
ALLEN	36.4	27.4	17.3	84.2	29.4	51.9	40.3	55.8	61.1	50.1	47.0
DB01-5289	27.9-	22.0	19.0	69.7	25.4	56.9	35.1	62.6	48.9-	38.8	43.2
DB02-7391	32.1	18.8	18.3	66.0	27.8	56.5	44.3	48.2	53.2	33.7	43.3
DB03-2811	35.8	25.2	16.4	79.8	31.6	59.9	30.0	57.1	55.0	34.2	45.7
DB03-6323	32.0	21.7	15.4-	70.2	23.0-	57.8	29.6	53.6	51.0-	28.0	41.6-
DB03-6829	34.8	25.4	18.7	66.9	34.2	49.7	31.5	58.4	55.1	27.8	43.6
G03-1396 RR	31.2	24.0	15.7-	62.9	27.6	38.3-	32.7	.	48.9-	31.8	36.7-
G03-2354 RR	38.8	23.0	17.4	64.1	27.6	57.0	28.6	55.9	47.4-	40.0	42.1-
G03-2464 RR	42.5+	24.4	16.2	74.0	25.5	59.7	25.7	65.6	44.9-	37.7	44.3
G04-186 RR	37.0	21.5	18.8	72.5	24.0	48.7	32.8	61.5	44.4-	35.3	42.5-
JTN-5106	37.9	25.2	15.0-	72.8	33.4	56.0	38.9	49.6	59.4	37.7	45.4
K04-4277RR	35.4	24.1	13.9-	68.8	27.7	44.3-	36.8	52.0	58.2	33.2	42.1-
K04-4529RR	28.5-	19.3	20.0	70.7	32.9	53.0	37.7	46.4-	55.2	36.7	43.0
K04-4623RR	39.8	22.6	18.0	79.7	31.2	49.1	37.8	60.0	63.5	31.1	47.4
K04-4628RR	32.4	23.3	20.0	71.4	34.2	51.6	39.0	56.5	59.1	31.5	45.5
K04-4642RR	36.7	24.8	15.1-	76.7	29.5	52.7	42.5	52.2	57.8	35.7	45.4
LS03-2063	27.6-	20.3	17.6	64.3	31.6	46.6-	40.3	45.9-	54.6	34.1	41.1-
LS03-4294	31.8	17.2-	13.5-	72.3	33.3	57.6	43.7	58.5	65.3	40.9	47.0
LS03-4540	34.4	21.2	18.1	71.6	34.8	54.1	37.9	58.5	62.7	32.7	46.5
LS03-4943	18.0-	13.8-	15.4-	61.8-	26.7	50.1	34.2	59.3	56.0	29.2	40.2-
LS03-7521	37.5	22.2	14.8-	67.9	29.5	57.2	39.7	49.5	61.9	34.4	44.8
DB03-3130	31.3	24.4	20.1	62.2	31.8	52.5	21.8-	56.6	45.3-	32.8	40.2-
MD 03-144 RR	29.0-	13.5-	21.8	66.9	26.7	49.4	29.6	34.4-	55.3	28.2	39.1-
MD 03-146 RR	31.6	8.1-	14.5-	65.7	26.3	47.5	32.9	36.0-	47.1-	31.4	37.7-
MD 03-72 RR	33.3	11.4-	20.0	66.6	28.9	50.4	33.0	52.3	51.0-	33.8	41.9-
MD 03-75 RR	31.3	17.6	19.5	68.2	28.9	48.4	37.1	50.5	57.9	40.3	42.7-
N00-506	41.4+	22.7	12.2-	74.1	26.7	57.9	30.4	53.4	58.9	37.2	44.4
N03-9	35.8	18.2	19.9	78.1	24.1	50.3	30.6	65.5	52.5-	44.8	44.6
NCC02-20578	35.6	19.0	16.5	70.4	23.5-	46.0-	34.4	64.5	51.3-	39.8	42.8-
NCC02-20626	31.0	14.9-	20.0	64.0	28.1	50.1	35.0	51.6	61.3	33.1	42.6-
NCC02-22219	35.3	21.9	20.1	76.5	20.4-	54.1	40.6	56.1	51.1-	29.3	44.2
NCC02-23908RR	33.6	14.2-	14.9-	70.9	26.9	52.6	28.2	61.9	53.8	40.7	42.8-
NCC03-105RR	37.5	24.4	14.9-	73.3	35.1	52.1	35.3	62.9	55.4	35.9	45.8
R01-375	37.9	25.8	18.9	71.6	31.9	48.4	43.4	67.3	55.8	38.8	46.9
R01-4675RR	33.0	24.8	16.5	52.6-	32.8	45.6-	29.2	56.2	45.6-	28.2	38.9-
R01-4873RR	24.7-	10.0-	15.5-	65.9	22.1-	45.4-	29.3	48.5	44.5-	31.2	37.0-
R02-2795RR	27.2-	18.9	19.1	67.2	23.8	44.3-	36.1	52.5	45.4-	37.0	39.5-
R03-224	37.8	30.2	15.6-	73.3	26.5	53.7	36.9	61.2	55.5	40.5	45.1
S04-18466	32.0	21.3	16.0-	69.8	27.2	53.7	30.0	53.8	57.7	38.4	42.5-
S04-21198	35.8	25.5	13.7-	75.3	37.0+	53.2	29.7	59.1	49.9-	32.2	44.2
S04-21273	40.9+	22.3	15.4-	73.5	35.6	57.1	25.4	68.1	62.2	38.4	47.3
S04-21357	37.8	26.2	18.5	65.1	25.5	54.1	40.1	54.9	51.6-	41.3	43.5
S04-21494	36.9	18.2	18.5	67.6	32.5	53.3	33.4	50.7	57.5	32.4	43.8
S04-6511	29.1-	14.8-	17.5	70.5	28.9	49.3	34.5	49.3	50.5-	29.6	41.2-
TN02-151RR	31.3	20.9	14.5-	70.9	34.4	51.9	37.0	60.5	60.1	30.0	45.1
TN04-529RR	30.9	13.2-	20.1	69.9	27.2	44.8-	32.4	62.4	54.6	26.8	42.8-
TN04-593RR	39.5	24.2	18.1	67.3	24.9	58.9	35.5	69.6	62.3	38.4	47.0
TN04-598RR	33.3	25.8	14.0-	70.1	26.9	51.0	32.9	52.8	50.9-	36.9	41.5-
L.S.D. (0.05)	5.2	8.5	5.2	12.5	6.5	10.8	9.8	16.2	10.3	12.4	4.5
C.V. (%)	7.7	19.8	14.9	8.8	11.1	10.3	14.1	14.4	9.2	17.5	10.6

Data not included in mean

TABLE 38 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	BIXBY OK	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
5601T	18.2	18.9	19.5	17.6	18.6	16.0	18.6
5002T	18.1	17.5	21.4	17.8	19.8	18.0	18.9
AG 5501RR	19.1	19.0	19.5	18.2	19.0	17.6	19.0
ALLEN	18.8	19.3	18.6	17.4	18.5	16.0	18.5
DB01-5289	18.6	19.0	18.7	17.3	18.3	16.8	18.4
DB02-7391	16.7	15.9	20.4	18.0	19.0	14.7	18.0
DB03-2811	18.5	18.1	19.5	15.7	17.8	17.0	17.9
DB03-6323	18.3	18.3	19.2	17.0	18.8	17.1	18.3
DB03-6829	17.9	17.6	19.1	17.1	18.9	16.4	18.1
G03-1396 RR	17.7	18.4	18.3	16.0	18.3	16.1	17.7
G03-2354 RR	18.2	18.7	18.4	15.5	18.2	16.1	17.8
G03-2464 RR	17.9	18.3	18.9	15.6	18.6	15.3	17.9
G04-186 RR	19.1	20.5	19.2	17.2	20.2	17.3	19.2
JTN-5106	18.9	19.2	18.9	17.1	19.4	17.9	18.7
K04-4277RR	19.2	19.2	20.2	17.6	19.0	18.0	19.0
K04-4529RR	19.9	20.4	19.2	17.5	18.8	19.1	19.2
K04-4623RR	19.4	19.2	20.7	18.7	18.8	18.0	19.4
K04-4628RR	19.5	20.2	20.4	18.6	18.7	18.4	19.5
K04-4642RR	18.4	18.6	18.6	17.1	18.7	18.2	18.3
LS03-2063	19.3	18.1	21.0	18.7	19.4	18.5	19.3
LS03-4294	18.8	19.6	19.3	17.4	19.6	18.1	18.9
LS03-4540	17.6	18.9	18.8	17.2	18.8	17.9	18.3
LS03-4943	18.5	18.3	19.9	17.9	19.2	18.1	18.8
LS03-7521	19.3	20.9	21.1	18.1	19.8	18.6	19.8
DB03-3130	17.5	18.6	19.5	16.0	17.3	17.2	17.8
MD 03-144 RR	18.9	19.7	19.4	16.4	19.3	17.8	18.7
MD 03-146 RR	19.5	19.6	20.6	17.8	19.0	17.6	19.3
MD 03-72 RR	19.9	18.7	19.9	16.9	18.7	17.2	18.8
MD 03-75 RR	20.0	19.3	19.7	17.0	19.3	17.8	19.1
N00-506	20.2	21.2	21.4	17.7	19.9	19.1	20.1
N03-9	18.2	18.8	19.7	17.1	18.3	17.2	18.4
NCC02-20578	19.0	19.1	20.4	17.7	19.6	17.3	19.2
NCC02-20626	19.5	19.7	19.2	17.8	19.3	17.3	19.1
NCC02-22219	16.4	18.4	19.8	18.1	18.8	16.2	18.3
NCC02-23908RR	19.5	20.4	20.7	18.1	19.9	17.9	19.7
NCC03-105RR	19.9	19.8	19.1	17.6	18.6	16.8	19.0
R01-375	17.8	17.1	20.3	17.7	17.5	16.6	18.1
R01-4675RR	18.9	19.6	19.7	17.3	18.9	17.2	18.9
R01-4873RR	16.0	17.3	17.9	15.5	17.9	16.2	16.9
R02-2795RR	20.1	20.9	18.3	18.6	19.9	19.0	19.6
R03-224	17.5	18.3	19.6	17.2	18.5	16.9	18.2
S04-18466	19.9	19.4	18.2	16.5	18.5	17.3	18.5
S04-21198	20.1	19.1	17.6	16.8	17.4	17.6	18.2
S04-21273	18.5	17.0	19.2	17.5	18.1	17.6	18.1
S04-21357	20.0	20.6	20.2	17.8	18.7	17.4	19.5
S04-21494	18.4	19.0	18.8	16.1	18.1	17.3	18.1
S04-6511	17.7	17.0	18.9	17.0	17.3	17.2	17.6
TN02-151RR	18.7	18.5	18.8	16.3	17.1	17.1	17.9
TN04-529RR	19.0	19.4	18.7	16.9	17.7	17.0	18.3
TN04-593RR	19.1	19.7	18.7	17.1	18.2	16.7	18.6
TN04-598RR	19.3	20.8	21.0	17.9	19.5	17.1	19.7

Data not included in mean

TABLE 39 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	BIXBY	PITTSBURG	PORTAGEVILLE	QUEENSTOWN	ULLIN	WARSAW	MEAN
	OK	KS	MO(A)	MD	IL	VA	
5601T	42.6	40.9	42.1	42.6	44.3	44.6	42.5
5002T	40.6	39.7	40.9	42.6	42.1	42.4	41.2
AG 5501RR	39.8	40.8	41.6	41.6	42.3	42.2	41.2
ALLEN	40.3	40.1	42.1	41.8	43.2	43.3	41.5
DB01-5289	41.5	40.6	42.4	42.8	43.5	44.1	42.2
DB02-7391	39.7	40.2	41.2	41.2	42.2	43.1	40.9
DB03-2811	39.9	41.4	42.5	44.6	45.0	43.1	42.7
DB03-6323	40.7	40.5	41.5	43.2	43.3	43.1	41.8
DB03-6829	40.1	39.8	40.6	41.8	42.2	43.1	40.9
G03-1396 RR	41.0	40.6	41.4	43.7	44.3	42.2	42.2
G03-2354 RR	40.5	40.0	42.4	44.9	43.1	42.9	42.2
G03-2464 RR	41.7	41.7	41.6	45.3	43.9	44.6	42.8
G04-186 RR	41.0	39.5	42.3	43.5	42.8	42.5	41.8
JTN-5106	40.0	39.8	41.3	41.7	41.5	40.5	40.9
K04-4277RR	40.5	40.9	40.1	40.0	41.4	39.8	40.6
K04-4529RR	40.0	38.4	39.5	41.1	41.5	39.5	40.1
K04-4623RR	39.3	37.1	40.0	39.9	41.1	40.6	39.5
K04-4628RR	38.2	36.9	39.8	38.9	41.3	39.7	39.0
K04-4642RR	40.5	38.7	40.3	40.6	40.4	40.8	40.1
LS03-2063	38.7	39.8	39.0	39.9	41.3	40.7	39.7
LS03-4294	41.5	40.0	42.5	42.7	42.3	42.4	41.8
LS03-4540	40.0	38.5	40.8	40.1	41.1	40.6	40.1
LS03-4943	42.1	43.3	44.2	42.6	42.5	41.6	42.9
LS03-7521	41.6	40.4	41.6	42.1	42.0	42.8	41.5
DB03-3130	42.0	40.7	42.7	46.3	45.3	44.8	43.4
MD 03-144 RR	39.8	38.7	39.6	41.3	41.0	41.2	40.1
MD 03-146 RR	38.5	38.3	38.0	38.7	41.0	41.4	38.9
MD 03-72 RR	37.7	37.4	40.0	40.9	40.3	40.2	39.3
MD 03-75 RR	38.5	38.4	40.6	41.8	40.9	40.5	40.0
N00-506	40.6	37.9	40.2	42.0	42.7	41.2	40.7
N03-9	43.1	40.6	40.7	42.1	42.7	42.7	41.8
NCC02-20578	38.8	39.1	39.0	40.3	40.5	40.3	39.5
NCC02-20626	37.0	36.1	39.0	37.0	40.1	39.7	37.8
NCC02-22219	42.9	43.8	43.6	41.7	43.6	43.3	43.1
NCC02-23908RR	39.9	40.0	40.2	41.5	41.7	41.5	40.7
NCC03-105RR	38.2	38.6	41.2	41.7	42.3	42.5	40.4
R01-375	40.5	39.4	39.3	41.2	42.3	41.3	40.5
R01-4675RR	39.6	38.5	40.2	41.2	40.7	41.6	40.0
R01-4873RR	44.0	43.1	43.3	43.7	43.8	44.6	43.6
R02-2795RR	40.2	37.7	43.1	40.2	40.9	40.6	40.4
R03-224	41.9	39.8	43.0	42.9	42.4	43.7	42.0
S04-18466	39.9	40.0	42.8	41.9	43.0	41.7	41.5
S04-21198	40.4	40.3	42.9	42.1	44.8	42.1	42.1
S04-21273	39.0	38.6	40.6	40.3	41.4	41.1	40.0
S04-21357	41.1	40.3	41.9	42.7	42.7	43.1	41.7
S04-21494	42.1	40.2	42.9	43.5	44.1	41.9	42.6
S04-6511	42.1	41.2	42.6	42.2	44.6	43.1	42.5
TN02-151RR	42.3	41.8	44.0	43.6	45.1	42.2	43.4
TN04-529RR	41.4	40.3	42.7	42.6	44.3	43.3	42.3
TN04-593RR	41.7	37.5	40.4	39.0	41.9	40.7	40.1
TN04-598RR	39.1	39.7	39.5	41.0	41.6	42.1	40.2

Data not included in mean

TABLE 40 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN VARIETY	BIXBY OK	JACKSON TN	PINE TREE AR	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN MD	ULLIN IL	WARSAW VA	MEAN
5601T	18.4	12.5	14.1	12.7	11.3	11.3	13.8	13.6	13.6
5002T	17.3	13.0	15.7	12.8	11.9	12.9	16.8	15.3	14.6
AG 5501RR	15.5	13.0	14.5	12.0	11.3	12.7	14.7	14.7	13.4
ALLEN	16.6	12.5	14.4	10.9	10.7	13.7	14.3	14.0	13.4
DB01-5289	17.0	12.0	14.7	12.2	11.3	13.6	14.5	15.6	13.9
DB02-7391	18.3	13.5	16.6	13.7	13.1	15.5	16.2	15.4	15.6
DB03-2811	17.6	12.0	15.2	12.8	11.6	12.6	14.8	14.7	14.1
DB03-6323	17.8	13.0	15.8	12.1	12.1	12.7	15.8	14.1	14.4
DB03-6829	16.7	13.0	14.6	13.4	11.4	13.4	15.5	14.2	14.2
G03-1396 RR	16.8	13.0	12.9	10.0	11.0	13.3	12.3	12.5	12.7
G03-2354 RR	15.5	11.5	12.9	9.8	11.0	12.0	11.5	12.6	12.1
G03-2464 RR	15.2	11.0	12.9	9.4	10.5	11.7	12.2	12.0	12.0
G04-186 RR	15.4	12.0	12.6	9.5	10.4	13.4	11.6	12.7	12.1
JTN-5106	18.1	12.5	14.4	11.7	11.5	14.1	15.0	16.1	14.1
K04-4277RR	18.6	13.0	14.5	12.6	12.1	14.8	14.9	16.1	14.6
K04-4529RR	17.1	12.0	13.8	9.6	10.0	11.5	13.1	14.0	12.5
K04-4623RR	17.5	13.0	14.8	11.0	11.6	12.8	14.6	15.9	13.7
K04-4628RR	17.8	13.0	15.3	9.8	12.3	12.9	14.9	16.5	13.8
K04-4642RR	17.0	12.5	16.4	10.3	12.4	13.5	15.0	15.2	14.1
LS03-2063	18.7	13.5	14.3	16.0	10.7	12.9	14.9	15.9	14.6
LS03-4294	17.4	12.5	13.1	12.4	11.0	12.2	13.7	15.3	13.3
LS03-4540	18.6	13.5	14.9	14.3	11.7	13.5	15.7	16.3	14.8
LS03-4943	20.1	13.0	16.0	12.9	13.0	13.9	17.3	16.7	15.5
LS03-7521	18.1	13.5	13.9	12.7	11.5	11.8	14.9	14.0	13.8
DB03-3130	16.3	11.0	13.1	12.9	10.3	9.8	14.0	13.0	12.7
MD 03-144 RR	17.8	11.5	13.9	10.6	10.4	10.7	13.3	13.1	12.8
MD 03-146 RR	15.0	11.5	14.4	14.3	10.3	11.5	14.0	12.9	13.2
MD 03-72 RR	12.8	11.0	11.6	13.0	8.9	9.9	11.0	12.5	11.2
MD 03-75 RR	13.9	11.5	12.8	13.4	9.9	11.1	12.8	13.5	12.3
N00-506	19.3	14.0	14.8	16.1	13.4	14.6	15.3	15.9	15.6
N03-9	20.8	14.5	17.1	17.2	13.4	13.9	15.7	16.6	16.3
NCC02-20578	17.1	12.0	15.7	14.5	11.8	12.7	14.1	14.5	14.3
NCC02-20626	15.0	11.0	13.9	15.4	10.1	10.2	13.4	12.7	13.0
NCC02-22219	20.1	16.0	17.3	17.5	14.0	15.3	16.0	17.0	16.7
NCC02-23908RR	17.9	12.0	13.9	14.1	12.5	13.0	12.7	14.3	14.0
NCC03-105RR	16.6	12.0	13.8	16.2	11.4	13.2	13.4	14.4	14.1
R01-375	19.2	14.5	17.5	18.9	14.1	15.5	16.6	17.0	17.0
R01-4675RR	15.7	11.0	14.3	16.0	10.4	11.5	11.9	13.9	13.3
R01-4873RR	17.4	13.5	14.9	18.7	11.0	11.2	14.7	15.0	14.6
R02-2795RR	17.2	12.5	14.9	15.7	11.1	13.3	14.2	14.9	14.4
R03-224	18.6	13.5	16.0	17.2	12.8	13.5	16.5	16.2	15.8
S04-18466	14.0	10.5	12.9	14.6	9.2	12.1	12.5	12.3	12.5
S04-21198	15.1	10.5	12.7	13.7	8.9	10.9	12.6	13.0	12.3
S04-21273	18.8	13.5	15.0	15.8	13.2	13.2	15.8	16.6	15.3
S04-21357	18.8	13.5	15.1	17.2	12.3	16.4	16.5	16.9	16.0
S04-21494	18.7	13.0	15.1	16.2	11.8	14.9	15.5	15.8	15.4
S04-6511	17.5	13.5	14.8	16.3	11.4	12.8	14.0	15.2	14.5
TN02-151RR	18.2	12.0	14.3	17.0	11.9	13.3	14.8	15.9	14.9
TN04-529RR	15.3	11.5	13.5	14.3	10.1	12.5	12.5	13.2	13.0
TN04-593RR	19.8	12.0	13.2	14.3	10.5	11.3	13.3	13.1	13.7
TN04-598RR	14.6	13.0	14.1	15.1	11.2	13.4	13.7	15.8	13.7

Data not included in mean

TABLE 41 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	BIXBY	JACKSON	MCCUNE	PINE TREE	PITTSBURG	QUEENSTOWN	ROHWER	ULLIN	WARSAW	MEAN
	OK	TN	KS	AR	KS	MD	AR	IL	VA	
5601T	26	28	28	34	34	23	33	36	25	30
5002T	22	21	25	30	31	21	30	30	21	27
AG 5501RR	18	30	26	36	37	24	31	33	28	29
ALLEN	24	31	25	38	37	32	39	40	31	33
DB01-5289	19	25	22	30	30	27	30	34	24	27
DB02-7391	18	18	19	28	27	24	25	31	20	24
DB03-2811	25	29	23	37	40	22	35	32	27	30
DB03-6323	21	27	24	32	33	18	28	32	22	27
DB03-6829	24	30	27	32	38	22	30	38	22	30
G03-1396 RR	26	38	31	41	39	32	41	35	31	35
G03-2354 RR	23	29	27	38	38	21	37	39	30	32
G03-2464 RR	27	31	27	40	37	21	38	39	28	32
G04-186 RR	26	28	27	38	34	27	31	37	27	31
JTN-5106	22	32	24	35	38	29	36	33	26	31
K04-4277RR	23	28	23	32	39	30	34	37	27	31
K04-4529RR	18	23	21	24	29	21	25	34	19	24
K04-4623RR	19	23	21	30	31	21	27	31	22	26
K04-4628RR	20	27	25	34	34	24	33	34	24	29
K04-4642RR	22	26	20	31	29	24	28	31	21	26
LS03-2063	18	22	20	24	28	22	20	29	20	23
LS03-4294	18	21	20	27	28	22	24	33	21	24
LS03-4540	18	18	18	22	25	19	23	23	19	21
LS03-4943	18	21	20	27	27	19	27	28	19	23
LS03-7521	23	25	26	31	35	23	29	36	22	29
DB03-3130	22	28	23	31	32	15	30	34	21	27
MD 03-144 RR	19	17	20	27	25	18	22	28	19	22
MD 03-146 RR	15	15	18	25	28	19	21	32	19	23
MD 03-72 RR	22	19	22	32	35	26	29	34	25	28
MD 03-75 RR	22	23	25	28	35	26	29	34	25	28
N00-506	23	25	24	34	32	25	31	35	24	29
N03-9	21	21	22	28	28	20	27	31	22	25
NCC02-20578	18	20	22	26	29	21	26	29	21	24
NCC02-20626	18	17	21	24	30	19	23	29	19	23
NCC02-22219	22	28	24	33	30	24	30	32	21	28
NCC02-23908RR	19	18	18	29	25	17	23	28	19	23
NCC03-105RR	20	24	20	29	30	22	29	34	21	26
R01-375	19	22	25	28	31	20	25	31	21	25
R01-4675RR	19	23	24	27	33	19	27	32	22	26
R01-4873RR	19	28	22	28	31	19	24	28	20	24
R02-2795RR	16	21	21	32	29	17	25	33	22	25
R03-224	19	21	21	28	34	20	27	35	22	26
S04-18466	22	23	20	36	28	24	36	35	23	29
S04-21198	19	27	22	35	37	22	33	40	24	30
S04-21273	20	29	25	31	35	24	35	36	26	29
S04-21357	22	37	23	44	29	28	46	43	27	33
S04-21494	28	36	27	52	40	35	53	55	30	41
S04-6511	20	22	21	29	33	22	29	38	20	27
TN02-151RR	18	22	21	31	30	25	25	37	22	27
TN04-529RR	21	22	24	34	33	25	31	38	24	29
TN04-593RR	24	29	25	41	33	27	30	35	25	30
TN04-598RR	21	24	21	34	31	27	31	36	24	28

Data not included in mean

TABLE 42 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	JACKSON	MCCUNE	PINE TREE	PITTSBURG	QUEENSTOWN	WARSAW	MEAN
	TN	KS	AR	KS	MD	VA	
5601T	1.0	1.0	2.3	1.0	1.5	1.6	1.4
5002T	1.0	1.0	2.0	1.0	1.5	1.7	1.4
AG 5501RR	1.5	1.0	2.5	1.0	1.5	1.3	1.5
ALLEN	1.0	1.0	3.3	1.5	1.8	1.5	1.9
DB01-5289	1.0	1.0	2.5	1.0	2.0	2.2	1.6
DB02-7391	1.0	1.0	2.0	1.0	1.5	1.8	1.4
DB03-2811	2.0	1.0	4.8	3.0	2.5	3.8	2.8
DB03-6323	1.0	1.0	4.3	1.0	1.5	1.8	1.9
DB03-6829	2.0	1.0	3.5	3.5	2.8	3.0	2.7
G03-1396 RR	1.0	1.0	3.8	1.5	2.0	1.9	2.1
G03-2354 RR	1.0	1.0	4.0	2.5	1.5	2.7	2.3
G03-2464 RR	1.0	1.0	3.5	1.5	1.8	2.4	1.9
G04-186 RR	1.0	1.0	2.8	1.0	1.8	1.5	1.6
JTN-5106	1.5	1.0	3.0	1.5	1.8	1.4	1.8
K04-4277RR	1.5	1.0	3.3	2.0	2.8	1.7	2.3
K04-4529RR	1.0	1.0	1.5	1.0	1.8	1.2	1.3
K04-4623RR	1.0	1.0	1.8	1.0	1.5	1.2	1.3
K04-4628RR	1.5	1.0	2.8	1.5	1.5	1.2	1.7
K04-4642RR	1.0	1.0	1.8	1.0	1.8	1.2	1.4
LS03-2063	1.0	1.0	1.8	1.0	1.5	1.2	1.3
LS03-4294	1.0	1.0	1.3	1.0	1.0	1.0	1.1
LS03-4540	1.0	1.0	1.5	1.0	1.5	1.1	1.3
LS03-4943	1.0	1.0	1.5	1.0	1.5	1.3	1.3
LS03-7521	1.0	1.0	1.8	1.0	1.5	1.1	1.3
DB03-3130	1.0	1.0	3.3	1.0	2.8	1.3	2.0
MD 03-144 RR	1.0	1.0	1.3	1.0	1.5	1.2	1.2
MD 03-146 RR	1.0	1.0	1.5	1.0	1.3	1.2	1.2
MD 03-72 RR	1.0	1.0	1.8	1.0	1.8	1.6	1.4
MD 03-75 RR	1.0	1.0	1.8	2.0	1.8	1.6	1.6
N00-506	1.5	1.0	4.3	1.0	1.8	2.3	2.0
N03-9	1.0	1.0	1.8	1.0	1.5	1.2	1.3
NCC02-20578	1.0	1.0	2.0	1.0	1.3	1.3	1.3
NCC02-20626	1.0	1.0	1.8	1.5	1.5	1.2	1.4
NCC02-22219	1.5	1.0	3.3	1.0	1.8	1.2	1.8
NCC02-23908RR	1.0	1.0	2.2	1.0	1.3	1.1	1.4
NCC03-105RR	1.0	1.0	2.8	1.0	1.5	1.2	1.6
R01-375	1.0	1.0	1.8	1.0	1.5	1.5	1.3
R01-4675RR	1.0	1.0	2.8	1.0	1.3	1.2	1.5
R01-4873RR	1.0	1.0	3.0	1.0	1.5	1.4	1.6
R02-2795RR	1.0	1.0	1.8	1.0	1.5	1.2	1.3
R03-224	1.0	1.0	1.8	1.0	1.8	1.2	1.4
S04-18466	1.0	1.0	3.5	1.0	1.3	1.2	1.7
S04-21198	1.0	1.0	2.8	2.0	2.0	1.5	1.9
S04-21273	2.0	1.0	2.8	3.5	1.5	1.6	2.2
S04-21357	2.0	1.0	4.0	1.0	2.0	1.3	2.0
S04-21494	2.0	1.0	3.8	2.0	2.0	1.2	2.2
S04-6511	1.0	1.0	1.8	1.0	1.8	1.2	1.4
TN02-151RR	1.0	1.0	2.0	1.0	1.8	1.2	1.4
TN04-529RR	1.0	1.0	1.5	1.0	1.0	1.0	1.1
TN04-593RR	1.5	1.0	2.3	1.0	1.8	1.4	1.5
TN04-598RR	1.0	1.0	2.8	1.0	1.5	1.2	1.6

Data not included in mean

TABLE 43 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2006

STRAIN/ VARIETY	JACKSON	PINE TREE	PITTSBURG	PORTAGEVILLE	QUEENSTOWN	ULLIN	WARSAW	MEAN
	TN	AR	KS	MO(A)	MD	IL	VA	
5601T	1.5	2.3	1.0	2.0	1.0	1.0	1.6	1.5
5002T	2.5	2.0	2.0	2.0	1.3	1.5	1.8	1.8
AG 5501RR	1.5	2.5	1.0	2.0	1.3	2.0	1.5	1.8
ALLEN	1.0	2.3	1.0	2.0	1.0	1.0	1.5	1.5
DB01-5289	2.0	2.8	1.0	3.0	1.0	1.0	1.5	1.8
DB02-7391	2.5	2.3	1.0	3.0	1.0	1.0	1.7	1.7
DB03-2811	1.5	2.5	1.0	3.0	1.5	2.0	1.5	2.0
DB03-6323	1.5	2.5	1.0	3.0	1.0	3.5	2.5	2.2
DB03-6829	1.0	3.0	1.0	3.0	2.0	2.0	2.1	2.2
G03-1396 RR	1.5	2.5	1.0	3.0	1.5	4.0	1.4	2.4
G03-2354 RR	1.5	2.3	1.0	3.0	1.0	4.0	1.2	2.3
G03-2464 RR	1.0	2.3	1.0	2.0	1.3	2.5	1.0	1.8
G04-186 RR	1.0	2.5	1.0	3.0	1.0	4.0	1.2	2.3
JTN-5106	2.0	2.8	1.0	3.0	1.8	2.5	2.1	2.2
K04-4277RR	2.0	2.3	1.0	3.0	1.5	1.5	1.5	1.9
K04-4529RR	2.0	2.3	1.0	3.0	1.3	2.0	2.5	1.9
K04-4623RR	1.5	2.8	1.0	2.0	1.5	1.5	1.9	1.8
K04-4628RR	1.5	2.0	1.0	2.0	1.0	1.5	2.1	1.5
K04-4642RR	2.0	2.0	1.0	3.0	1.5	1.0	1.7	1.7
LS03-2063	2.0	2.5	1.0	3.0	1.5	1.0	2.8	1.8
LS03-4294	2.0	2.0	1.0	3.0	2.0	1.5	2.7	1.9
LS03-4540	2.0	2.5	1.0	3.0	1.5	2.5	1.9	2.1
LS03-4943	2.0	3.0	1.0	3.0	1.3	1.5	2.3	2.0
LS03-7521	2.0	2.5	1.0	4.0	1.5	2.5	2.4	2.3
DB03-3130	2.0	2.5	1.0	3.0	2.3	1.5	1.5	2.1
MD 03-144 RR	2.0	2.0	1.0	3.0	1.0	1.5	1.5	1.7
MD 03-146 RR	2.0	2.0	1.0	4.0	1.5	1.5	1.5	2.0
MD 03-72 RR	2.0	2.0	1.0	3.0	1.5	1.0	1.7	1.7
MD 03-75 RR	2.0	2.0	1.0	3.0	1.3	1.0	2.0	1.7
N00-506	2.0	2.3	1.0	3.0	1.8	3.0	2.3	2.2
N03-9	2.0	2.5	2.0	3.0	1.0	2.0	2.5	2.1
NCC02-20578	2.0	1.8	2.0	3.0	1.0	1.5	1.5	1.9
NCC02-20626	2.0	2.0	1.0	3.0	1.5	1.5	2.3	1.8
NCC02-22219	2.0	2.8	1.0	3.0	1.8	1.5	2.7	2.0
NCC02-23908RR	1.0	2.5	1.0	3.0	1.0	2.0	1.5	1.9
NCC03-105RR	2.0	2.3	1.0	3.0	1.0	3.0	2.2	2.1
R01-375	1.5	2.3	1.0	3.0	1.0	2.5	1.7	2.0
R01-4675RR	1.5	2.8	1.0	3.0	1.0	2.0	1.4	2.0
R01-4873RR	2.0	2.5	1.0	3.0	1.0	1.5	1.8	1.8
R02-2795RR	1.5	2.0	1.0	2.0	1.0	1.5	2.5	1.5
R03-224	1.0	2.0	1.0	3.0	1.8	1.5	1.5	1.9
S04-18466	1.0	2.3	1.0	3.0	1.0	2.0	1.9	1.9
S04-21198	1.0	2.0	1.0	3.0	1.5	2.5	1.5	2.0
S04-21273	2.0	2.5	1.0	4.0	1.5	1.5	1.5	2.1
S04-21357	2.0	2.8	1.0	3.0	1.5	3.5	1.9	2.4
S04-21494	2.5	2.8	1.0	3.0	1.5	3.5	1.5	2.4
S04-6511	2.0	2.5	1.0	3.0	1.5	1.5	1.7	1.9
TN02-151RR	1.0	2.3	1.0	3.0	1.5	2.5	1.7	2.1
TN04-529RR	1.5	2.3	1.0	3.0	1.0	2.0	1.7	1.9
TN04-593RR	2.0	2.5	1.0	3.0	1.5	1.0	1.5	1.8
TN04-598RR	1.0	2.3	1.0	3.0	1.3	3.0	1.4	2.1

Data not included in mean

UNIFORM GROUP VI

2006

Uniform Group VI nurseries were planted at 18 locations. Data were obtained from 14 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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	Centennial x Young	
2. BOGGS RR	(G81-152 x Coker 6738) x RR	
3. NC-ROY	Holladay X Brim	
4. G03-2148 RR	G94-3117 X Boggs RR	F5d
5. N01-10974	N6201 x N95-7390	F4
6. NCC01-69	TN93-99/J94-7(2,3,14)	
7. NCC02-307	Anand/MD94-5396	
8. VS22-524	Forrest x Essex	F6
9. R01-2346	V91-3036 x HBK 5990	
10. R01-4747RR	Hartz 4994 x 97668 (N92-598)	
11. R01-4766RR	Hartz 4994 x 97668 (N92-598)	
12. R01-4834RR	Hartz 4994 x 97668 (N92-598)	
13. R98-209	A6297 x Clifford	
14. SC02-011RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
15. SC03-9091RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
16. SC03-9093RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
17. TN03-349	TN93-99 x PI 416.937	
18. VS21-443	Hutcheson x VS94-11	F6
19. VS21-449	VS94-18 x Hutcheson	F6
20. VS22-457	VS95-49 x VS94-17	F6
21. VS22-458	VS95-49 x VS94-17	F6
22. VS22-477	VS95-49 x VS94-17	F6
23. VS22-523	Forrest x Essex	F6

TABLE 45 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD			PROTEIN			OIL		
			2006	05-06	04-06	2006	05-06	04-06	2006	05-06	04-06
DILLON	12	11	49.5	46.3	45.6	41.8	41.5	41.4	19.1	19.8	19.7
BOGGS RR	7	10	50.4	44.1	43.3	42.7	43.3	42.6	18.9	19.4	19.5
NC-ROY	3	6	53.6	48.4	46.9	42.4	42.0	41.8	18.0	18.6	18.7
G03-2148 RR	11	10	49.5	.	.	43.2	.	.	17.9	.	.
N01-10974	10	10	49.5	43.4	.	45.4	45.3	.	17.1	18.0	.
NCC01-69	5	7	51.6	.	.	40.0	.	.	20.5	.	.
NCC02-307	4	7	52.3	48.9	.	41.0	40.3	.	18.1	19.1	.
VS22-524	15	13	48.4	43.7	.	40.4	41.0	.	19.8	20.1	.
R01-2346	1	5	54.3	.	.	41.3	.	.	19.4	.	.
R01-4747RR	17	15	46.0	.	.	39.1	.	.	20.3	.	.
R01-4766RR	19	16	44.2	.	.	41.3	.	.	19.6	.	.
R01-4834RR	14	12	48.7	.	.	40.1	.	.	19.3	.	.
R98-209	2	6	54.0	50.0	49.8	41.2	40.8	40.6	18.6	19.5	19.6
SC02-011RR	6	8	51.3	.	.	40.9	.	.	19.3	.	.
SC03-9091RR	8	10	50.2	.	.	41.1	.	.	19.3	.	.
SC03-9093RR	9	9	50.1	.	.	41.8	.	.	19.4	.	.
TN03-349	20	18	42.2	.	.	43.1	.	.	18.5	.	.
VS21-443	13	12	49.5	46.5	46.6	40.3	40.7	40.5	20.3	20.5	20.2
VS21-449	22	20	39.1	38.7	38.8	42.6	42.0	41.6	17.5	18.8	19.0
VS22-457	23	21	36.3	.	.	43.6	.	.	19.1	.	.
VS22-458	21	19	39.4	.	.	43.1	.	.	19.2	.	.
VS22-477	18	17	44.4	.	.	40.5	.	.	18.5	.	.
VS22-523	16	12	48.4	42.8	.	41.5	42.0	.	19.5	19.5	.

**Data not included in mean: 2006 - Bixby, OK; Bossier City, LA; Tallassee, AL(A)
2005 - Beaumont, TX; Tallassee, AL(A)
2004 - Beaumont, TX**

TABLE 45 ~ Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
DILLON	10/13	2.0	32	2.0	17.0	P	G	T
BOGGS RR	6+	2.6	34	1.6	14.2	W	T	T
NC-ROY	7+	2.3	33	1.7	15.4	W	G	B
G03-2148 RR	4+	2.0	35	1.7	15.1	W	T	T
N01-10974	3+	2.4	33	2.0	23.8	P	G	T
NCC01-69	1+	1.3	25	2.0	19.2	W	T	T
NCC02-307	0	1.2	27	1.9	16.9	P	T	T
VS22-524	4-	1.8	29	1.7	14.8	W	G	T
R01-2346	0	1.6	29	2.1	17.9	MX	G	T
R01-4747RR	4-	1.8	25	2.0	14.5	P	G	B
R01-4766RR	4-	1.4	25	2.4	15.8	W	G	B
R01-4834RR	4-	1.6	27	1.9	15.0	W	G	B
R98-209	5+	2.0	33	2.2	16.4	P	G	T
SC02-011RR	2+	2.0	33	1.7	15.8	P	G	T
SC03-9091RR	4+	1.7	35	1.9	18.0	P	G	T
SC03-9093RR	4+	2.0	38	1.9	18.1	P	G	T
TN03-349	3+	1.8	26	2.0	22.7	P	G	B
VS21-443	4-	1.4	23	1.7	15.1	W	G	T
VS21-449	6+	2.6	31	2.3	18.7	P	G	T
VS22-457	7-	1.4	20	2.2	16.0	P	G	T
VS22-458	6-	1.6	21	2.1	15.2	P	G	T
VS22-477	3-	2.0	26	1.9	14.6	W	G	T
VS22-523	6-	1.7	28	2.0	15.5	W	G	T

TABLE 45 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SRK	PRK	SMV	SMV	SC	SC
	1.2.5.7	7	1.3.5.6.7						
DILLON	5	4	5	2.0	4.5	S	R	S	5
BOGGS RR	4	1	5	1.0	2.3	S	S	R	1
NC-ROY	5	4	5	5.0	4.8	S	R	R	1
G03-2148 RR	5	1	5	1.0	4.3	S	SEG	S	5
N01-10974	5	5	5	5.0	3.8	S	R	R	1
NCC01-69	5	4	5	5.0	4.3	S	R	S	5
NCC02-307	1	3	1	5.0	5.0	S	S	R	1
VS22-524	5	1	4	5.0	4.3	S	S	S	5
R01-2346	5	4	5	3.5	1.3	R	S	S	5
R01-4747RR	5	4	4	5.0	3.0	S	S	S	5
R01-4766RR	5	1	4	5.0	3.8	S	SEG	S	5
R01-4834RR	5	3	5	5.0	5.0	R	R	R	1
R98-209	5	1	4	5.0	2.8	S	R	MS	4
SC02-011RR	5	4	5	5.0	3.5	S	R	SS	3
SC03-9091RR	5	5	5	1.3	4.3	S	R	SS	3
SC03-9093RR	4	1	5	2.8	4.8	S	R	SS	3
TN03-349	5	5	5	5.0	3.8	S	R	R	1
VS21-443	5	5	5	5.0	5.0	S	S	S	5
VS21-449	5	5	5	5.0	5.0	S	R	R	1
VS22-457	5	5	5	5.0	4.5	S	S	S	5
VS22-458	5	5	5	5.0	1.0	S	S	R	1
VS22-477	5	4	5	5.0	2.0	S	S	S	5
VS22-523	4	1	5	5.0	5.0	S	SEG	S	5

TABLE 46 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006

STRAIN/ VARIETY	EAST			MEAN
	PETERSBURG VA	PLYMOUTH NC(A)	WARSAW VA	
DILLON	39.1	42.4	47.1	42.9
BOGGS RR	53.4	41.4	45.1	46.6
NC-ROY	39.3	44.0	51.3	44.9
G03-2148 RR	43.0	42.5	46.3	43.9
N01-10974	27.7	45.8	47.5	40.3
NCC01-69	37.0	43.6	50.8	43.8
NCC02-307	38.1	38.8	52.4	43.1
VS22-524	37.6	32.0	44.4	38.0
R01-2346	36.8	43.3	54.7	45.0
R01-4747RR	34.3	38.3	45.2	39.3
R01-4766RR	29.4	38.8	40.8	36.3
R01-4834RR	29.7	30.8	46.3	35.6
R98-209	39.6	46.5	43.0	43.0
SC02-011RR	31.0	40.3	46.0	39.1
SC03-9091RR	44.3	38.9	43.8	42.3
SC03-9093RR	42.9	41.5	47.4	43.9
TN03-349	30.7	36.5	34.5	33.9
VS21-443	29.8	39.2	44.3	37.8
VS21-449	33.5	26.8	39.3	33.2
VS22-457	25.0	30.9	37.8	31.2
VS22-458	26.2	33.3	45.7	35.1
VS22-477	30.4	31.2	44.4	35.3
VS22-523	39.0	35.9	45.7	40.2
L.S.D. (0.05)	3.6	7.2	5.8	.
C.V. (%)	6.2	11.4	7.8	.

TABLE 46 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BLACKVILLE SC(A)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	42.2	21.5	56.2	59.5	74.1	38.7	36.0	55.6	49.7
BOGGS RR	45.8	23.9	51.2	55.8	71.7	41.4	44.1	53.7	49.1
NC-ROY	44.6	30.3	63.2	57.9	75.5	46.9	38.4	60.7	54.2
G03-2148 RR	49.4	25.1	50.5	46.5	70.9	35.8	41.7	64.2	48.9
N01-10974	37.2	23.0	56.5	59.6	74.6	45.6	34.4	57.8	50.6
NCC01-69	51.6	27.2	59.6	43.2	66.1	35.1	38.9	70.4	50.5
NCC02-307	54.5	24.8	54.1	57.2	66.1	35.7	37.4	66.7	51.3
VS22-524	50.1	21.8	49.0	53.5	72.6	44.0	25.8	66.6	51.1
R01-2346	47.4	24.8	59.2	64.8	79.9	39.4	39.5	68.0	54.8
R01-4747RR	46.8	18.8	50.8	36.8	65.9	35.2	35.1	63.4	45.4
R01-4766RR	42.1	18.8	51.1	42.1	57.4	24.9	37.9	68.9	43.6
R01-4834RR	40.8	20.3	52.3	53.7	75.8	35.5	33.2	73.0	50.2
R98-209	57.6	26.0	49.4	58.5	77.5	38.7	29.4	68.2	53.7
SC02-011RR	46.9	24.2	58.9	50.1	75.8	40.8	39.3	60.4	51.0
SC03-9091RR	44.2	21.2	56.6	60.4	74.3	32.1	39.9	53.9	49.0
SC03-9093RR	46.6	26.6	53.7	54.5	68.3	36.3	45.1	59.2	49.3
TN03-349	32.6	21.2	49.4	51.4	65.4	32.2	22.6	45.8	42.6
VS21-443	52.6	21.2	55.2	57.3	62.0	30.7	34.3	73.3	50.3
VS21-449	32.1	20.3	43.1	41.1	55.7	33.1	25.5	41.0	38.0
VS22-457	37.4	16.0	49.0	42.1	25.7	27.4	30.9	62.5	37.2
VS22-458	42.2	19.1	49.1	33.5	46.5	24.7	30.8	52.7	38.2
VS22-477	37.8	24.8	48.8	44.1	64.6	32.7	34.0	60.6	44.8
VS22-523	43.4	23.0	52.0	47.9	66.6	35.1	19.6	67.9	48.0
L.S.D. (0.05)	7.8	6.1	.	11.3	10.6	6.9	9.6	11.7	.
C.V. (%)	10.6	16.4	9.6	13.5	9.6	11.7	16.8	11.5	.

Data not included in mean

TABLE 46 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	ROHWER AR	
DILLON	68.3	49.0	58.6
BOGGS RR	60.3	61.6	60.9
NC-ROY	73.8	56.2	65.0
G03-2148 RR	67.1	52.4	59.8
N01-10974	68.5	50.9	59.7
NCC01-69	73.1	61.2	67.2
NCC02-307	77.1	62.6	69.9
VS22-524	66.3	42.9	54.6
R01-2346	72.5	61.1	66.8
R01-4747RR	64.7	52.2	58.5
R01-4766RR	79.4	37.1	58.3
R01-4834RR	75.1	51.5	63.3
R98-209	74.4	68.8	71.6
SC02-011RR	79.7	61.1	70.4
SC03-9091RR	75.4	56.8	66.1
SC03-9093RR	71.0	53.7	62.4
TN03-349	58.9	47.5	53.2
VS21-443	70.1	57.9	64.0
VS21-449	65.0	38.2	51.6
VS22-457	52.6	29.6	41.1
VS22-458	65.1	34.5	49.8
VS22-477	61.7	51.3	56.5
VS22-523	70.5	54.0	62.2
L.S.D. (0.05)	13.0	12.5	.
C.V. (%)	10.7	14.7	.

TABLE 46 ~ Continued

STRAIN/ VARIETY	WEST	
	BIXBY OK	BOSSIER CITY LA
DILLON	13.4	29.1
BOGGS RR	15.4	36.1
NC-ROY	18.5	50.7
G03-2148 RR	15.2	35.6
N01-10974	11.8	29.2
NCC01-69	17.6	23.2
NCC02-307	25.2	28.3
VS22-524	26.8	32.7
R01-2346	27.2	25.4
R01-4747RR	21.6	28.1
R01-4766RR	19.0	14.5
R01-4834RR	25.9	22.5
R98-209	20.5	35.8
SC02-011RR	17.8	30.1
SC03-9091RR	15.8	35.0
SC03-9093RR	11.7	36.7
TN03-349	17.6	22.5
VS21-443	20.8	26.7
VS21-449	16.2	23.1
VS22-457	11.6	11.3
VS22-458	17.5	17.1
VS22-477	25.6	22.5
VS22-523	24.7	24.0
L.S.D. (0.05)	1.0	8.6
C.V. (%)	.	18.8

Data not included in mean

TABLE 47 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006

OIL PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BIXBY OK	BLACKVILLE SC(A)	BOSSIER CITY LA	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	WARSAW VA	MEAN
DILLON	19.6	.	14.8	20.1	.	19.7	19.9	19.1	18.9	.	.	18.4	.	16.5	19.1
BOGGS RR	19.2	.	16.3	19.4	.	19.6	20.9	19.3	18.3	.	.	20.4	.	15.8	18.9
NC-ROY	18.3	.	15.2	19.0	.	18.7	18.5	19.4	17.1	.	.	18.0	.	15.1	18.0
G03-2148 RR	18.9	.	13.6	19.3	.	18.3	18.3	18.1	17.8	.	.	18.4	.	14.9	17.9
N01-10974	16.9	.	14.3	19.9	.	16.7	18.0	17.8	16.4	.	.	17.9	.	14.3	17.1
NCC01-69	21.9	.	18.3	20.7	.	20.0	20.8	21.3	20.5	.	.	22.8	.	18.0	20.5
NCC02-307	18.9	.	16.8	19.2	.	16.9	18.6	19.6	17.8	.	.	19.7	.	15.9	18.1
VS22-524	21.0	.	16.8	20.1	.	19.3	21.0	20.2	19.3	.	.	19.8	.	17.4	19.8
R01-2346	20.7	.	18.6	20.9	.	18.6	20.8	18.7	19.0	.	.	20.7	.	17.3	19.4
R01-4747RR	21.2	.	19.1	21.9	.	19.6	21.5	20.8	20.2	.	.	21.6	.	17.1	20.3
R01-4766RR	21.1	.	18.3	21.0	.	19.4	19.6	20.6	19.1	.	.	21.1	.	16.6	19.6
R01-4834RR	20.1	.	17.9	20.2	.	19.4	19.3	19.7	19.2	.	.	20.2	.	17.1	19.3
R98-209	18.8	.	16.9	20.1	.	19.1	19.4	19.5	17.7	.	.	21.0	.	15.8	18.6
SC02-011RR	20.5	.	16.5	19.9	.	20.0	20.7	20.3	17.6	.	.	20.7	.	16.3	19.3
SC03-9091RR	20.5	.	16.7	20.3	.	19.3	19.8	19.9	18.9	.	.	19.0	.	16.4	19.3
SC03-9093RR	18.6	.	15.6	20.6	.	19.9	19.9	20.7	18.6	.	.	20.9	.	17.4	19.4
TN03-349	18.9	.	16.8	19.6	.	18.7	18.5	19.7	17.9	.	.	19.4	.	16.4	18.5
VS21-443	20.0	.	18.7	21.5	.	20.1	21.1	21.2	19.9	.	.	20.4	.	18.0	20.3
VS21-449	16.9	.	13.6	18.4	.	16.8	18.7	17.5	17.7	.	.	19.1	.	16.4	17.5
VS22-457	18.9	.	17.5	19.6	.	19.3	18.8	20.0	19.7	.	.	19.9	.	17.1	19.1
VS22-458	20.2	.	16.8	20.0	.	19.0	18.4	20.5	19.2	.	.	19.9	.	17.2	19.2
VS22-477	18.6	.	17.7	19.6	.	18.4	19.5	19.4	17.7	.	.	20.2	.	16.5	18.5
VS22-523	20.0	.	17.6	19.7	.	19.3	21.2	19.6	19.0	.	.	19.1	.	17.5	19.5

Data not included in mean

TABLE 47 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BIXBY OK	BLACKVILLE SC(A)	BOSSIER CITY LA	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	WARSAW VA	MEAN
DILLON	41.5	.	44.6	41.6	.	39.8	44.4	40.8	41.9	.	.	45.6	.	42.7	41.8
BOGGS RR	41.3	.	45.1	43.5	.	40.1	44.0	43.5	42.9	.	.	43.3	.	43.8	42.7
NC-ROY	41.7	.	46.6	41.6	.	40.0	44.2	41.2	43.5	.	.	44.6	.	44.6	42.4
G03-2148 RR	42.2	.	45.8	44.1	.	40.0	45.6	44.3	42.5	.	.	45.0	.	43.9	43.2
N01-10974	45.5	.	48.0	44.3	.	44.3	45.0	45.6	45.0	.	.	49.6	.	47.8	45.4
NCC01-69	37.9	.	40.7	41.5	.	39.0	41.3	40.0	39.2	.	.	40.9	.	40.8	40.0
NCC02-307	40.2	.	39.9	42.4	.	40.4	43.5	38.3	40.5	.	.	41.7	.	41.5	41.0
VS22-524	39.7	.	42.9	42.2	.	39.2	40.1	39.4	40.1	.	.	43.9	.	41.9	40.4
R01-2346	40.4	.	41.4	41.5	.	41.6	41.0	40.7	41.5	.	.	42.7	.	42.1	41.3
R01-4747RR	37.8	.	39.8	38.8	.	39.0	39.7	38.1	38.7	.	.	40.2	.	41.4	39.1
R01-4766RR	38.6	.	42.9	41.3	.	41.2	42.8	40.7	41.2	.	.	42.8	.	43.0	41.3
R01-4834RR	39.2	.	41.6	40.8	.	39.2	41.4	39.1	39.8	.	.	41.9	.	41.5	40.1
R98-209	40.5	.	42.4	40.5	.	40.1	40.8	40.1	42.5	.	.	41.1	.	43.7	41.2
SC02-011RR	39.7	.	42.3	41.1	.	38.6	42.5	40.6	42.2	.	.	41.9	.	41.9	40.9
SC03-9091RR	39.6	.	41.9	41.5	.	39.3	43.8	40.8	40.6	.	.	41.5	.	41.8	41.1
SC03-9093RR	43.0	.	42.2	42.4	.	38.4	43.9	41.8	41.6	.	.	42.2	.	41.8	41.8
TN03-349	43.6	.	43.4	42.1	.	41.4	44.4	42.4	44.0	.	.	43.6	.	44.1	43.1
VS21-443	41.5	.	41.0	39.3	.	39.8	39.8	38.7	41.3	.	.	43.1	.	41.5	40.3
VS21-449	43.0	.	45.0	43.2	.	41.5	43.0	42.6	42.2	.	.	43.1	.	42.8	42.6
VS22-457	42.6	.	43.8	44.5	.	42.9	44.8	42.5	43.2	.	.	46.1	.	44.9	43.6
VS22-458	42.3	.	44.3	44.5	.	42.8	43.3	41.6	42.5	.	.	45.9	.	44.5	43.1
VS22-477	40.5	.	40.2	41.5	.	38.5	41.3	38.8	40.8	.	.	42.0	.	42.1	40.5
VS22-523	40.9	.	41.9	43.4	.	40.0	41.6	40.2	42.1	.	.	45.9	.	42.2	41.5

Data not included in mean

TABLE 47 ~ Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BIXBY OK	BLACKVILLE SC(A)	BOSSIER CITY LA	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	TALLASSEE AL(A)	TIFTON GA	WARSAW VA	MEAN
DILLON	19.5	23.6	16.8	14.6	15.1	15.7	20.1	14.2	17.2	14.4	15.8	15.5	17.5	14.7	17.0
BOGGS RR	13.9	23.3	13.1	11.8	15.0	12.4	16.6	10.9	15.5	12.1	14.0	11.7	14.7	11.2	14.2
NC-ROY	16.5	24.1	13.4	14.5	15.6	13.7	17.8	13.6	14.4	14.3	13.8	14.1	13.9	12.3	15.4
G03-2148 RR	16.2	24.1	14.0	12.5	14.7	12.6	17.9	12.1	14.9	13.2	14.3	13.2	15.5	12.7	15.1
N01-10974	28.2	27.6	19.7	21.7	17.4	24.0	26.5	21.4	23.0	22.4	24.0	19.6	21.8	21.1	23.8
NCC01-69	20.0	25.8	17.6	17.7	13.8	18.9	22.6	16.1	17.8	17.9	18.6	16.4	19.2	16.4	19.2
NCC02-307	17.0	22.1	17.0	13.4	14.2	16.4	19.6	14.5	16.2	16.1	19.6	14.5	16.2	15.2	16.9
VS22-524	17.9	19.9	17.0	13.2	13.0	14.4	17.3	12.7	13.3	13.3	13.5	15.5	14.2	12.9	14.8
R01-2346	19.8	23.5	17.5	15.5	15.2	16.7	21.6	15.1	17.0	15.8	17.3	16.7	18.6	15.7	17.9
R01-4747RR	15.8	20.0	15.0	13.2	13.3	13.6	17.0	13.0	13.1	13.0	14.5	13.8	13.9	12.6	14.5
R01-4766RR	18.1	21.6	17.1	14.5	14.3	14.7	17.0	14.5	13.6	14.4	14.8	16.7	17.1	13.1	15.8
R01-4834RR	17.0	20.8	16.5	13.4	13.8	14.2	17.0	13.5	13.2	14.0	13.6	16.2	14.5	13.3	15.0
R98-209	18.5	25.1	17.4	14.3	14.9	15.3	17.9	14.3	15.4	14.9	15.5	15.5	15.8	13.9	16.4
SC02-011RR	17.6	23.9	15.1	14.2	15.0	13.5	18.6	13.4	14.7	14.4	15.1	14.0	15.0	12.9	15.8
SC03-9091RR	18.8	26.6	16.2	15.8	15.8	16.5	20.4	14.4	18.0	15.5	18.9	15.1	18.1	15.4	18.0
SC03-9093RR	19.5	25.9	17.4	15.1	18.8	15.0	21.0	14.9	19.3	15.8	19.0	16.6	17.6	15.6	18.1
TN03-349	23.3	27.1	22.1	21.4	18.2	23.2	27.9	20.7	20.8	20.9	24.4	18.9	23.2	17.0	22.7
VS21-443	20.2	22.0	16.7	14.5	13.5	16.5	1.3	14.7	16.2	15.0	15.4	17.6	17.3	13.5	15.1
VS21-449	19.4	26.8	17.5	16.7	17.2	16.4	21.8	15.7	18.2	16.4	18.9	18.0	20.0	15.5	18.7
VS22-457	17.8	20.7	15.7	15.2	14.3	15.5	20.4	13.8	14.4	14.2	14.9	15.8	15.9	13.6	16.0
VS22-458	16.6	19.0	20.3	13.6	13.2	14.9	17.8	13.2	12.5	14.6	14.8	15.5	16.6	13.6	15.2
VS22-477	15.9	19.0	14.2	13.5	11.8	14.5	17.5	12.5	13.6	14.3	12.2	13.2	15.0	12.6	14.6
VS22-523	17.4	19.8	16.8	15.3	14.2	14.6	17.9	13.8	14.4	13.6	14.0	15.4	16.0	13.5	15.5

Data not included in mean

**TABLE 48 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN DILLON,
FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006**

STRAIN/ VARIETY	EAST			MEAN
	PETERSBURG VA	PLYMOUTH NC(A)	WARSAW VA	
DILLON	10/20	10/19	10/27	10/22
BOGGS RR	7	9	.	6
NC-ROY	10	7	.	6
G03-2148 RR	0	5	4	3
N01-10974	10	6	.	6
NCC01-69	0	1	0	0
NCC02-307	0	4	-2	1
VS22-524	0	-9	-5	-5
R01-2346	0	1	1	0
R01-4747RR	0	-9	-5	-5
R01-4766RR	0	-9	-6	-5
R01-4834RR	0	-10	-6	-5
R98-209	0	7	4	4
SC02-011RR	0	4	.	-1
SC03-9091RR	0	4	4	3
SC03-9093RR	7	4	.	3
TN03-349	0	8	2	3
VS21-443	0	-7	-4	-4
VS21-449	10	.	.	8
VS22-457	0	-14	-9	-8
VS22-458	0	-13	-7	-7
VS22-477	0	-10	-5	-5
VS22-523	0	-11	-5	-5

TABLE 48 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BLACKVILLE SC(A)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	10/12	10/03	10/05	10/29	10/06	10/20	09/29	10/04	10/11
BOGGS RR	7	10	9	3	8	7	6	2	7
NC-ROY	8	23	12	-1	10	5	10	5	9
G03-2148 RR	2	10	5	0	7	5	3	1	4
N01-10974	6	6	4	3	2	6	0	1	4
NCC01-69	1	2	7	1	4	0	0	0	2
NCC02-307	3	0	1	0	-1	-4	-4	-1	0
VS22-524	-3	-10	-3	0	-2	-5	-6	-1	-3
R01-2346	4	-1	0	0	-1	-1	-1	0	0
R01-4747RR	-3	-10	1	-5	0	-6	-9	-1	-3
R01-4766RR	2	-9	1	-6	-1	-9	-9	-1	-3
R01-4834RR	-3	-9	1	-7	-1	-8	-9	-2	-4
R98-209	8	10	8	1	9	4	1	3	6
SC02-011RR	2	6	5	2	4	7	3	1	4
SC03-9091RR	-1	6	5	1	7	5	3	3	4
SC03-9093RR	2	9	4	1	9	6	5	2	5
TN03-349	3	13	4	-1	3	1	0	-2	3
VS21-443	0	-4	-4	-6	-1	-8	-5	-5	-4
VS21-449	7	14	11	2	9	8	6	2	8
VS22-457	-5	-10	-4	-7	-1	-9	-10	-8	-6
VS22-458	-3	-11	-4	-7	-1	-9	-10	-5	-6
VS22-477	-5	-4	1	-1	-1	-4	-4	-3	-2
VS22-523	-6	-18	-6	-4	-1	-8	-9	-5	-6

Data not included in mean

TABLE 48 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	ROHWER AR	
DILLON	10/07	10/05	10/06
BOGGS RR	10	5	7
NC-ROY	7	6	6
G03-2148 RR	6	3	5
N01-10974	1	0	0
NCC01-69	0	-1	0
NCC02-307	-1	-1	-1
VS22-524	-4	-4	-4
R01-2346	-4	-3	-3
R01-4747RR	-3	-2	-3
R01-4766RR	-4	-5	-4
R01-4834RR	-3	-3	-3
R98-209	5	4	4
SC02-011RR	5	2	4
SC03-9091RR	4	4	4
SC03-9093RR	4	3	4
TN03-349	2	6	4
VS21-443	-5	-4	-4
VS21-449	6	6	6
VS22-457	-4	-10	-7
VS22-458	-4	-7	-6
VS22-477	2	-5	-1
VS22-523	-5	-5	-5

TABLE 49 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006

STRAIN/ VARIETY	EAST			MEAN
	PETERSBURG VA	PLYMOUTH NC(A)	WARSAW VA	
DILLON	27	35	33	31
BOGGS RR	29	35	34	33
NC-ROY	32	35	39	36
G03-2148 RR	29	36	36	34
N01-10974	28	36	37	34
NCC01-69	22	26	27	25
NCC02-307	26	29	28	28
VS22-524	25	29	25	26
R01-2346	22	29	32	28
R01-4747RR	22	25	25	24
R01-4766RR	20	31	23	25
R01-4834RR	22	29	25	26
R98-209	24	37	32	31
SC02-011RR	28	34	36	33
SC03-9091RR	26	33	34	31
SC03-9093RR	35	41	38	38
TN03-349	20	29	25	25
VS21-443	19	25	24	23
VS21-449	26	31	30	29
VS22-457	19	22	19	20
VS22-458	19	24	22	22
VS22-477	24	30	29	27
VS22-523	25	29	28	28

TABLE 49 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BLACKVILLE SC(A)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	TALLASSEE AL(A)	TIFTON GA	MEAN
DILLON	29	28	39	36	35	21	30	35	32
BOGGS RR	31	31	40	36	37	21	31	38	33
NC-ROY	31	32	38	36	30	23	31	29	31
G03-2148 RR	33	33	38	33	40	22	33	38	34
N01-10974	28	31	40	38	32	25	34	34	33
NCC01-69	25	25	25	25	29	19	25	24	25
NCC02-307	26	26	22	27	28	19	26	27	25
VS22-524	29	27	28	31	34	23	35	31	29
R01-2346	24	26	33	32	32	21	27	31	28
R01-4747RR	22	24	27	25	24	16	24	29	24
R01-4766RR	23	24	26	29	21	18	25	21	23
R01-4834RR	27	26	27	31	28	19	26	27	26
R98-209	26	34	33	39	34	24	41	33	32
SC02-011RR	33	34	35	37	39	22	36	37	34
SC03-9091RR	35	32	41	38	40	24	35	37	35
SC03-9093RR	36	35	45	37	38	25	34	41	37
TN03-349	25	23	25	29	23	18	20	25	24
VS21-443	20	24	27	25	19	17	23	20	22
VS21-449	33	27	36	33	32	24	30	34	31
VS22-457	20	21	22	19	17	16	22	18	19
VS22-458	20	24	22	17	20	16	22	16	19
VS22-477	23	24	27	24	24	17	28	27	24
VS22-523	27	27	31	23	32	21	29	25	26

Data not included in mean

TABLE 49 ~ Continued

STRAIN/ VARIETY	DELTA		MEAN
	PINE TREE AR	ROHWER AR	
DILLON	34	35	35
BOGGS RR	33	41	37
NC-ROY	39	34	37
G03-2148 RR	39	38	39
N01-10974	32	37	34
NCC01-69	31	27	29
NCC02-307	37	32	34
VS22-524	31	36	34
R01-2346	33	30	32
R01-4747RR	32	28	30
R01-4766RR	32	28	30
R01-4834RR	34	29	32
R98-209	39	40	40
SC02-011RR	33	33	33
SC03-9091RR	36	42	39
SC03-9093RR	45	42	43
TN03-349	35	33	34
VS21-443	33	26	30
VS21-449	33	34	34
VS22-457	24	23	23
VS22-458	27	25	26
VS22-477	33	31	32
VS22-523	36	35	36

TABLE 49 ~ Continued

STRAIN/ VARIETY	WEST	
	BIXBY OK	BOSSIER CITY LA
DILLON	21	29
BOGGS RR	24	33
NC-ROY	26	31
G03-2148 RR	26	31
N01-10974	25	31
NCC01-69	18	20
NCC02-307	20	24
VS22-524	24	30
R01-2346	18	22
R01-4747RR	16	21
R01-4766RR	13	18
R01-4834RR	15	20
R98-209	19	30
SC02-011RR	22	31
SC03-9091RR	24	32
SC03-9093RR	30	35
TN03-349	16	19
VS21-443	17	21
VS21-449	21	25
VS22-457	17	18
VS22-458	18	19
VS22-477	20	21
VS22-523	22	23

Data not included in mean

**TABLE 50 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI,
2006**

STRAIN/ VARIETY	EAST			MEAN
	PETERSBURG VA	PLYMOUTH NC(A)	WARSAW VA	
DILLON	1.3	2.0	2.8	2.0
BOGGS RR	3.0	3.0	3.8	3.3
NC-ROY	1.0	2.0	3.1	2.0
G03-2148 RR	2.3	2.0	2.7	2.4
N01-10974	1.3	2.7	4.1	2.7
NCC01-69	1.7	2.0	1.7	1.8
NCC02-307	2.0	1.3	1.4	1.6
VS22-524	2.3	2.7	2.3	2.4
R01-2346	1.0	1.3	2.1	1.5
R01-4747RR	2.7	1.7	2.4	2.2
R01-4766RR	2.3	2.3	1.6	2.1
R01-4834RR	2.0	2.3	1.9	2.1
R98-209	2.3	2.0	2.0	2.1
SC02-011RR	2.0	2.0	2.9	2.3
SC03-9091RR	1.7	2.0	2.2	2.0
SC03-9093RR	1.7	2.0	2.7	2.1
TN03-349	1.7	2.0	1.9	1.9
VS21-443	2.0	2.0	1.6	1.9
VS21-449	1.0	3.3	3.7	2.7
VS22-457	2.7	2.0	1.3	2.0
VS22-458	2.3	2.7	1.7	2.2
VS22-477	2.0	3.3	3.4	2.9
VS22-523	2.0	2.3	2.3	2.2

TABLE 50 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	BELLE MINA AL	BLACKVILLE SC(A)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	TIFTON GA	MEAN
DILLON	1.7	1.0	2.2	2.0	1.7	1.7	2.3	1.8
BOGGS RR	2.7	1.0	2.3	2.2	1.3	1.0	3.7	2.0
NC-ROY	1.3	1.0	3.5	2.7	2.3	1.0	2.3	2.0
G03-2148 RR	1.7	1.0	2.0	2.0	1.7	1.0	2.0	1.6
N01-10974	1.3	1.0	3.0	2.7	2.3	1.3	2.7	2.0
NCC01-69	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NCC02-307	1.0	1.0	1.0	1.2	1.0	1.3	1.0	1.1
VS22-524	1.0	1.0	1.3	2.0	2.0	1.0	2.0	1.5
R01-2346	1.3	1.0	2.3	2.0	1.3	1.0	1.3	1.5
R01-4747RR	1.0	1.0	1.8	2.0	1.7	1.3	1.3	1.5
R01-4766RR	1.0	1.0	1.0	1.3	1.0	1.0	1.0	1.0
R01-4834RR	1.3	1.0	1.7	1.7	1.7	1.3	1.0	1.4
R98-209	1.3	1.3	1.8	2.3	2.0	1.0	1.7	1.6
SC02-011RR	1.3	1.0	1.7	2.3	2.3	1.0	2.7	1.8
SC03-9091RR	1.0	1.0	1.7	1.7	1.7	1.0	2.0	1.4
SC03-9093RR	2.0	1.0	2.2	1.7	1.3	1.3	3.0	1.8
TN03-349	1.0	1.0	1.7	2.2	2.0	1.0	2.0	1.5
VS21-443	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0
VS21-449	2.0	1.3	3.0	2.8	3.3	1.3	3.3	2.5
VS22-457	1.3	1.0	1.0	1.0	1.7	1.0	1.0	1.1
VS22-458	1.0	1.0	1.0	1.0	2.0	1.0	1.3	1.2
VS22-477	1.3	1.0	2.0	1.7	1.3	1.0	1.7	1.4
VS22-523	1.0	1.0	2.0	1.3	2.0	1.3	1.3	1.4

TABLE 50 ~ Continued

STRAIN VARIETY	DELTA
	PINE TREE AR
DILLON	3.2
BOGGS RR	4.3
NC-ROY	4.7
G03-2148 RR	3.8
N01-10974	3.5
NCC01-69	2.0
NCC02-307	1.3
VS22-524	2.5
R01-2346	2.7
R01-4747RR	3.2
R01-4766RR	2.2
R01-4834RR	2.2
R98-209	3.7
SC02-011RR	3.0
SC03-9091RR	3.2
SC03-9093RR	3.3
TN03-349	3.5
VS21-443	2.2
VS21-449	3.8
VS22-457	2.0
VS22-458	2.0
VS22-477	3.3
VS22-523	2.0

TABLE 50 ~ Continued

WEST	
STRAIN/ VARIETY	BOSSIER CITY LA
DILLON	1.0
BOGGS RR	1.0
NC-ROY	1.0
G03-2148 RR	1.0
N01-10974	1.0
NCC01-69	1.0
NCC02-307	1.0
VS22-524	1.0
R01-2346	1.0
R01-4747RR	1.0
R01-4766RR	1.0
R01-4834RR	1.0
R98-209	1.0
SC02-011RR	1.0
SC03-9091RR	1.0
SC03-9093RR	1.0
TN03-349	1.0
VS21-443	1.0
VS21-449	1.3
VS22-457	1.3
VS22-458	1.0
VS22-477	1.3
VS22-523	1.0

Data not included in mean

TABLE 51 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2006

STRAIN/ VARIETY	EAST		MEAN
	PETERSBURG VA	WARSAW VA	
DILLON	2.0	1.1	1.6
BOGGS RR	1.7	1.1	1.4
NC-ROY	1.0	1.2	1.1
G03-2148 RR	1.0	1.4	1.2
N01-10974	1.7	1.9	1.8
NCC01-69	2.0	2.0	2.0
NCC02-307	1.7	1.7	1.7
VS22-524	1.0	1.4	1.2
R01-2346	1.3	1.2	1.3
R01-4747RR	1.3	1.2	1.3
R01-4766RR	1.7	1.8	1.7
R01-4834RR	1.3	1.6	1.5
R98-209	2.0	1.3	1.7
SC02-011RR	1.3	1.3	1.3
SC03-9091RR	1.0	1.3	1.2
SC03-9093RR	1.3	1.4	1.4
TN03-349	1.3	1.5	1.4
VS21-443	1.3	1.5	1.4
VS21-449	2.0	1.6	1.8
VS22-457	1.0	1.9	1.4
VS22-458	1.3	1.7	1.5
VS22-477	1.3	1.9	1.6
VS22-523	1.3	1.4	1.4

TABLE 51 ~ Continued

STRAIN/ VARIETY	SOUTH					MEAN
	ATHENS GA(A)	BELLE MINA AL	FAIRHOPE AL	TALLASSEE AL(A)	TIFTON GA	
DILLON	2.0	1.0	3.5	1.0	2.0	2.1
BOGGS RR	1.5	1.0	2.0	1.0	1.3	1.5
NC-ROY	1.7	1.0	3.0	1.0	1.7	1.8
G03-2148 RR	1.7	1.0	3.0	1.0	1.5	1.8
N01-10974	2.2	2.0	2.0	1.0	2.3	2.1
NCC01-69	2.0	1.0	3.0	1.0	2.0	2.0
NCC02-307	1.8	1.0	3.0	1.0	2.0	2.0
VS22-524	2.0	1.0	2.0	1.5	2.3	1.8
R01-2346	2.0	2.0	3.0	1.0	2.5	2.4
R01-4747RR	2.3	1.0	3.5	1.5	2.5	2.3
R01-4766RR	2.5	2.0	3.5	2.0	2.7	2.7
R01-4834RR	2.0	1.0	3.0	2.0	1.8	2.0
R98-209	2.2	2.0	3.5	1.5	2.0	2.4
SC02-011RR	1.7	1.0	2.5	1.0	1.8	1.8
SC03-9091RR	2.0	1.0	3.5	1.0	2.0	2.1
SC03-9093RR	2.3	1.0	3.5	1.0	1.8	2.2
TN03-349	2.0	2.0	2.5	1.0	1.8	2.1
VS21-443	2.3	1.0	2.2	1.0	1.8	1.8
VS21-449	2.2	2.0	3.5	1.0	2.3	2.5
VS22-457	2.3	1.0	4.0	1.0	2.8	2.5
VS22-458	2.2	1.0	4.0	1.0	3.0	2.5
VS22-477	1.8	2.0	2.5	1.0	1.7	2.0
VS22-523	2.0	1.0	3.0	2.0	2.8	2.2

Data not included in mean

TABLE 51 ~ Continued

STRAIN VARIETY	DELTA
	PINE TREE AR
DILLON	2.2
BOGGS RR	2.3
NC-ROY	2.7
G03-2148 RR	2.2
N01-10974	2.3
NCC01-69	2.3
NCC02-307	2.3
VS22-524	2.2
R01-2346	2.3
R01-4747RR	2.3
R01-4766RR	2.5
R01-4834RR	2.3
R98-209	2.5
SC02-011RR	2.5
SC03-9091RR	2.2
SC03-9093RR	2.0
TN03-349	3.0
VS21-443	1.8
VS21-449	2.7
VS22-457	2.3
VS22-458	1.8
VS22-477	2.0
VS22-523	2.2

TABLE 51 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
DILLON	1.8
BOGGS RR	1.8
NC-ROY	2.7
G03-2148 RR	2.2
N01-10974	2.5
NCC01-69	2.5
NCC02-307	2.3
VS22-524	2.7
R01-2346	3.0
R01-4747RR	2.8
R01-4766RR	3.2
R01-4834RR	3.3
R98-209	2.7
SC02-011RR	2.5
SC03-9091RR	2.0
SC03-9093RR	2.2
TN03-349	3.2
VS21-443	2.8
VS21-449	2.5
VS22-457	3.2
VS22-458	2.7
VS22-477	2.7
VS22-523	3.2

Data not included in mean

PRELIMINARY GROUP VI

2006

Preliminary Group VI nurseries were planted at 9 locations. Data were obtained from 7 of the locations. The parentage for each strain is reported in Table 52. Table 53 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 54 - 60.

TABLE 52 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	Centennial x Young	
2. BOGGS RR	(G81-152 x Coker 6738) x RR	
3. NC-ROY	Holladay X Brim	
4. Au03-248	NC-Roy x G92-1110	
5. Au03-317	NC-Roy x G92-1110	
6. Au03-4018RR	Au94-863 x [Au92-763 (4) x RR Resnick]	
7. Au03-506	NC-Roy x G92-1110	
8. G03-1170 RR	H7242 RR X K1423	F5d
9. G03-2018 RR	G94-3117 X Boggs RR	F5d
10. G03-2090 RR	G95-346 X H7242 RR	F5d
11. G03-2394 RR	G94-3117 X H7242 RR	F5d
12. N01-11884	GRAHAM X N96-6767	F4
13. N02-7543	Dillon x Mandarin (Ottawa) (0)	F4
14. N02-7747	Cook x Bicentennial (00)	F4
15. N02-8492	DILLON X N96-6730	F4
16. N02-8951	N96-6730 X N96-6732	F4
17. N03-11895	Boggs x PI 437726	F4
18. N04-9856	N94-7440 X N96-6733	F4
19. NCC02-21183	TN93-99 x Fowler	
20. NCC02-24030RR	TN99-76,194 x TN93-99RR	
21. NCC03-149RR	BC3 derivatives (TN93-142)	
22. R02-3065	HBK 5990 X ANAND	
23. R03-1011	HBK 5990 x 98601 (BC3F1)	
24. R03-1134	M91-163126 x OT93-28	
25. R03-1232	PI0 9592 x KS4895	
26. R03-183	R96-209 x 99503	
27. SC03-9084RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
28. SC03-9090RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
29. SC03-9151RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
30. SC03-9153RR	DILLON/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
31. SC03-9438RR	SANTEE/{SC92-2482(2)/[HAGOOD(2)/BC1RESNIKRR]}	F5

TABLE 53 ~ GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP VI, 2006
~ MEAN OF 7 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	AVG. RANK	MAT. RANK	INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SC RATING	SC SCORE
									PROTEIN	OIL	1.2.5.7 2	7 3	1.3.5.6.7 14		
DILLON	47.5	9	11	10/11	2.1	33	1.7	16.2	42.9	18.2	5	5	4	S	5
BOGGS RR	44.9	18	10	9+	3.0	34	1.4	13.4	43.7	18.0	4	1	4	R	1
NC-ROY	49.1	2	9	9+	3.2	34	1.3	14.3	43.6	17.2	5	5	4	R	1
Au03-248	44.3	22	10	16+	3.7	39	2.2	16.1	42.1	17.3	5	5	4	S	5
Au03-317	45.5	17	10	13+	3.4	36	1.6	15.6	42.5	17.2	5	5	3	S	5
Au03-4018RR	46.3	13	10	8+	3.3	33	1.8	15.2	43.2	18.8	5	1	2	S	5
Au03-506	47.6	7	10	10+	2.8	36	1.8	13.6	40.9-	17.5	5	1	3	S	5
G03-1170 RR	41.8	27	12	10+	2.8	34	2.2	18.4	42.4	18.0	4	1	4	R	1
G03-2018 RR	47.1	11	9	7+	2.4	30	1.3	16.5	43.1	16.8-	4	1	4	R	1
G03-2090 RR	45.7	16	11	10+	3.1	35	1.8	14.2	43.0	17.8	4	1	4	S	5
G03-2394 RR	47.7	6	10	10+	2.9	36	1.8	14.6	43.5	17.9	4	1	4	R	1
N01-11884	44.8	20	11	12+	2.9	34	1.8	15.4	41.7	18.4	5	5	5	S	5
N02-7543	42.7	24	12	1+	2.2	29	1.7	18.1	41.8	18.8	5	5	4	S	5
N02-7747	40.1-	30	13	11+	3.2	37	1.6	15.7	43.0	17.4	5	5	5	SS	3
N02-8492	48.1	5	10	5+	1.8	31	1.6	16.7	40.7-	17.4	5	5	4	S	5
N02-8951	42.5	25	12	14+	2.3	30	1.4	18.4	43.0	17.6	5	5	4	R	1
N03-11895	42.1	26	13	2+	2.8	29	1.3	15.8	42.2	18.3	5	5	5	S	5
N04-9856	41.7	28	12	11+	2.8	33	1.8	11.7	41.8	18.0	5	5	4	R	1
NCC02-21183	46.2	15	11	2-	1.6	22	1.6	15.1	39.9-	20.0+	5	5	4	R	1
NCC02-24030RR	47.5	9	10	1+	2.2	25	1.5	15.0	41.5	19.7+	5	5	4	S	5
NCC03-149RR	48.3	4	9	2+	2.3	29	1.7	16.0	41.3	19.1	4	2	2	S	5
R02-3065	46.2	15	11	0	2.0	27	1.4	18.5	43.6	18.9	5	2	4	S	5
R03-1011	46.4	12	11	1+	2.2	24	1.7	17.8	42.7	18.5	5	3	4	R	1
R03-1134	47.5	9	11	1-	2.3	26	1.6	17.6	43.4	18.3	5	2	4	R	1
R03-1232	49.5	1	9	1-	1.3	28	1.7	17.1	42.1	19.0	5	4	4	SS	3
R03-183	37.1-	31	15	7-	2.6	24	1.7	17.0	43.7	18.4	5	5	5	R	1
SC03-9084RR	43.5	23	12	13+	2.8	38	1.9	15.7	41.5	17.5	4	1	5	S	5
SC03-9090RR	44.8	20	11	2+	2.9	34	1.7	15.6	43.6	17.8	5	5	5	S	5
SC03-9151RR	48.6	3	10	8+	2.3	31	1.8	17.6	42.3	19.8+	5	1	5	S	5
SC03-9153RR	40.4	29	13	10+	2.5	37	1.8	15.7	41.3	18.6	4	1	5	S	5
SC03-9438RR	44.7	21	11	14+	2.3	35	1.5	14.1	41.9	18.2	4	1	5	S	5
OVERALL MEAN	45.2								42.4	18.2					
LSD (.05)	7.2								1.7	1.2					
C.V.	15%								3%	5%					

TABLE 54 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	TALLASSEE AL(A)	MEAN
DILLON	24.1	59.6	41.5	80.8	50.6	44.7	30.8	47.5
BOGGS RR	11.7-	55.2	54.2+	64.2-	42.8	42.2	44.3+	44.9
NC-ROY	28.7	62.5	51.2+	69.6	52.7	38.9	40.3	49.1
Au03-248	16.3-	46.1-	44.6	60.6-	46.4	47.9	48.3+	44.3
Au03-317	12.8-	56.2	44.8	69.4	50.4	44.7	40.4	45.5
Au03-4018RR	25.0	51.6	52.0+	66.5-	37.2-	47.5	44.5+	46.3
Au03-506	19.0	52.0	49.3+	75.3	47.0	45.8	44.9+	47.6
G03-1170 RR	17.0	52.0	43.6	60.4-	39.5-	31.8	48.5+	41.8
G03-2018 RR	18.0	54.0	48.5+	66.4-	46.8	50.6	45.7+	47.1
G03-2090 RR	29.1	47.5-	41.7	70.0	37.4-	53.6	40.3	45.7
G03-2394 RR	21.8	56.5	47.1+	72.5	48.0	42.3	45.8+	47.7
N01-11884	24.3	55.8	37.7	64.1-	46.7	46.3	38.5	44.8
N02-7543	26.7	58.2	31.5-	67.8-	46.2	44.0	24.3	42.7
N02-7747	21.3	55.1	29.2-	56.5-	43.2	41.4	34.0	40.1-
N02-8492	22.0	62.8	32.7-	84.2	53.7	51.7	29.8	48.1
N02-8951	25.4	57.7	30.4-	63.8-	50.3	34.7	35.0	42.5
N03-11895	31.2	63.2	29.0-	72.2	40.1-	33.9	25.4	42.1
N04-9856	24.5	59.9	32.4-	56.0-	50.2	35.8	33.1	41.7
NCC02-21183	23.1	48.5-	29.4-	77.7	58.1	51.9	34.9	46.2
NCC02-24030RR	22.9	51.1	44.3	74.0	52.4	49.1	38.5	47.5
NCC03-149RR	30.0	59.0	38.1	69.5	49.8	45.5	46.4+	48.3
R02-3065	35.4+	61.6	32.5-	70.9	44.5	44.2	34.2	46.2
R03-1011	33.0+	54.4	38.6	78.4	51.6	35.0	33.9	46.4
R03-1134	31.5+	38.2-	29.1-	88.5	46.2	61.0+	37.8	47.5
R03-1232	27.1	54.3	37.5	77.4	56.9	63.2+	29.7	49.5
R03-183	26.6	47.7-	30.7-	69.5	26.9-	29.5-	28.7	37.1-
SC03-9084RR	21.3	53.0	38.4	68.3-	45.3	33.2	45.1+	43.5
SC03-9090RR	21.6	52.3	35.5-	70.1	45.8	55.2	33.3	44.8
SC03-9151RR	25.5	56.5	43.8	86.2	47.0	45.0	36.5	48.6
SC03-9153RR	15.0-	43.2-	29.3-	73.2	44.0	38.3	39.9	40.4
SC03-9438RR	22.0	48.8-	47.3+	63.6-	44.1	47.4	39.5	44.7
L.S.D. (0.05)	7.2	9.3	5.6	11.5	8.1	14.5	12.0	7.2
C.V. (%)	14.9	8.5	7.0	7.9	8.5	15.7	15.5	15.1

TABLE 55 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	TALLASSEE AL (A)	MEAN
DILLON	16.4	19.7	18.4	18.2	18.2
BOGGS RR	13.9	19.6	18.7	19.6	18.0
NC-ROY	14.6	18.5	16.8	18.9	17.2
Au03-248	14.6	18.1	17.9	18.7	17.3
Au03-317	14.9	18.0	17.8	17.9	17.2
Au03-4018RR	16.5	18.5	18.7	21.5	18.8
Au03-506	14.8	18.6	18.3	18.3	17.5
G03-1170 RR	15.4	19.1	18.6	19.0	18.0
G03-2018 RR	15.0	16.8	17.5	18.0	16.8
G03-2090 RR	17.2	17.6	17.7	18.7	17.8
G03-2394 RR	14.5	18.6	18.1	20.5	17.9
N01-11884	16.5	19.4	17.9	19.9	18.4
N02-7543	18.1	19.2	18.0	19.7	18.8
N02-7747	15.2	18.8	17.1	18.5	17.4
N02-8492	16.3	17.8	16.6	18.9	17.4
N02-8951	16.1	17.6	17.2	19.4	17.6
N03-11895	16.0	17.6	17.9	21.5	18.3
N04-9856	15.2	18.9	17.9	20.0	18.0
NCC02-21183	19.5	19.6	20.3	20.4	20.0
NCC02-24030RR	18.3	19.5	20.5	20.6	19.7
NCC03-149RR	18.2	18.7	18.5	20.8	19.1
R02-3065	18.2	18.1	18.6	20.8	18.9
R03-1011	17.6	18.6	17.8	20.0	18.5
R03-1134	17.6	18.5	17.6	19.6	18.3
R03-1232	17.8	18.6	18.9	20.6	19.0
R03-183	17.1	19.0	18.1	19.5	18.4
SC03-9084RR	14.9	18.8	17.2	19.1	17.5
SC03-9090RR	16.3	18.2	18.5	18.3	17.8
SC03-9151RR	18.6	20.0	19.2	21.2	19.8
SC03-9153RR	16.2	20.4	17.1	20.8	18.6
SC03-9438RR	15.4	18.7	18.9	19.7	18.2

TABLE 56 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	TALLASSEE AL (A)	MEAN
DILLON	42.7	39.9	42.0	46.8	42.9
BOGGS RR	47.0	41.6	42.0	44.0	43.7
NC-ROY	45.6	41.9	44.0	43.0	43.6
Au03-248	43.8	41.1	41.3	42.0	42.1
Au03-317	43.3	41.6	41.0	44.2	42.5
Au03-4018RR	43.0	42.4	43.2	44.1	43.2
Au03-506	43.9	38.1	40.0	41.6	40.9
G03-1170 RR	44.4	40.5	41.4	43.3	42.4
G03-2018 RR	42.7	42.5	43.3	43.8	43.1
G03-2090 RR	42.9	43.1	42.0	43.9	43.0
G03-2394 RR	45.0	42.2	42.6	44.2	43.5
N01-11884	43.1	38.9	42.9	42.0	41.7
N02-7543	41.9	39.4	43.0	43.0	41.8
N02-7747	45.7	40.5	42.3	43.4	43.0
N02-8492	41.8	38.5	41.0	41.4	40.7
N02-8951	44.1	41.9	43.3	42.8	43.0
N03-11895	43.7	41.6	42.4	41.2	42.2
N04-9856	42.7	40.5	41.6	42.4	41.8
NCC02-21183	40.1	37.9	38.9	42.5	39.9
NCC02-24030RR	41.6	41.4	39.6	43.3	41.5
NCC03-149RR	41.3	41.2	41.6	41.2	41.3
R02-3065	42.0	43.6	43.9	44.7	43.6
R03-1011	42.3	40.7	43.6	44.3	42.7
R03-1134	42.5	40.7	44.0	46.3	43.4
R03-1232	43.3	40.9	42.0	42.0	42.1
R03-183	42.8	41.2	44.3	46.6	43.7
SC03-9084RR	42.3	40.1	41.1	42.5	41.5
SC03-9090RR	43.6	42.3	42.2	46.2	43.6
SC03-9151RR	42.8	40.2	42.7	43.4	42.3
SC03-9153RR	43.2	36.5	42.7	42.8	41.3
SC03-9438RR	43.3	41.9	40.6	41.9	41.9

TABLE 57 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	TALLASSEE AL(A)	MEAN
DILLON	16.7	15.3	17.0	16.0	17.5	14.9	16.2
BOGGS RR	13.4	11.9	15.2	12.6	15.5	11.8	13.4
NC-ROY	13.5	14.2	15.0	13.3	15.2	14.6	14.3
Au03-248	13.7	14.1	17.6	16.7	16.9	17.8	16.1
Au03-317	13.8	14.5	18.9	15.3	15.9	15.5	15.6
Au03-4018RR	16.1	13.2	16.6	15.2	16.3	13.6	15.2
Au03-506	13.4	12.7	15.9	13.0	13.4	13.4	13.6
G03-1170 RR	16.7	16.8	20.0	17.8	21.2	17.8	18.4
G03-2018 RR	16.5	15.3	18.0	15.8	18.2	15.4	16.5
G03-2090 RR	14.2	13.0	15.2	13.2	15.2	14.3	14.2
G03-2394 RR	16.0	12.5	15.3	13.5	16.7	13.8	14.6
N01-11884	15.5	14.5	16.0	15.2	17.0	14.5	15.4
N02-7543	20.6	17.3	18.3	15.9	21.5	15.1	18.1
N02-7747	16.2	15.2	16.5	16.0	17.8	12.6	15.7
N02-8492	18.2	14.7	17.1	15.6	19.5	15.1	16.7
N02-8951	17.8	19.7	18.1	14.8	21.9	18.1	18.4
N03-11895	18.3	16.6	14.5	14.6	16.7	14.2	15.8
N04-9856	11.5	11.6	11.9	12.1	12.4	10.5	11.7
NCC02-21183	15.8	15.2	14.2	16.2	15.9	13.4	15.1
NCC02-24030RR	14.8	15.2	15.2	14.6	17.0	13.2	15.0
NCC03-149RR	18.0	15.4	15.3	15.0	17.5	14.7	16.0
R02-3065	19.6	18.4	18.1	17.1	20.5	17.1	18.5
R03-1011	19.1	17.9	17.9	17.1	19.1	15.9	17.8
R03-1134	19.5	17.3	16.3	17.3	19.3	16.0	17.6
R03-1232	19.3	17.0	16.2	16.9	17.8	15.6	17.1
R03-183	18.9	16.5	17.2	16.7	16.5	16.1	17.0
SC03-9084RR	15.9	14.9	16.5	15.4	16.6	15.1	15.7
SC03-9090RR	15.8	14.4	16.3	15.9	17.0	14.5	15.6
SC03-9151RR	19.2	15.0	19.5	17.8	19.3	15.1	17.6
SC03-9153RR	15.3	12.3	16.7	16.3	17.5	15.9	15.7
SC03-9438RR	13.6	13.5	15.1	13.7	15.9	13.0	14.1

TABLE 58 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	BIXBY OK	CLEMSON SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	ROHWER AR	TALLASSEE AL(A)	MEAN
DILLON	27	35	27	37	36	39	30	33
BOGGS RR	32	36	28	37	35	41	32	34
NC-ROY	30	37	31	36	41	34	31	34
Au03-248	39	38	33	44	43	33	42	39
Au03-317	31	39	31	42	39	36	36	36
Au03-4018RR	25	37	29	37	39	32	34	33
Au03-506	27	38	33	43	40	38	35	36
G03-1170 RR	28	33	28	43	37	37	36	34
G03-2018 RR	22	29	23	36	34	36	33	30
G03-2090 RR	25	39	28	41	38	42	32	35
G03-2394 RR	26	39	28	40	40	44	35	36
N01-11884	29	37	29	35	40	36	30	34
N02-7543	21	30	24	35	32	32	31	29
N02-7747	29	38	26	51	42	36	38	37
N02-8492	25	32	24	38	35	32	30	31
N02-8951	19	33	23	37	34	37	28	30
N03-11895	22	31	21	34	33	32	28	29
N04-9856	24	34	26	40	36	36	34	33
NCC02-21183	15	20	22	29	27	22	22	22
NCC02-24030RR	18	23	22	29	28	33	25	25
NCC03-149RR	22	34	22	34	32	37	26	29
R02-3065	23	30	20	28	29	33	26	27
R03-1011	19	24	21	30	29	23	25	24
R03-1134	20	24	22	30	30	30	27	26
R03-1232	23	28	24	32	32	33	24	28
R03-183	21	22	20	29	27	24	26	24
SC03-9084RR	28	38	35	47	46	36	37	38
SC03-9090RR	24	29	30	44	37	41	32	34
SC03-9151RR	26	31	27	39	32	34	29	31
SC03-9153RR	23	37	29	45	42	45	36	37
SC03-9438RR	29	39	30	38	39	37	33	35

TABLE 59 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	CLEMSON SC	PETERSBURG VA	PINE TREE AR	PLYMOUTH NC(A)	MEAN
DILLON	2.3	1.5	2.5	2.0	2.1
BOGGS RR	2.5	3.0	3.5	3.0	3.0
NC-ROY	3.0	2.5	4.3	3.0	3.2
Au03-248	3.3	2.5	5.0	4.0	3.7
Au03-317	3.3	2.5	4.8	3.0	3.4
Au03-4018RR	3.0	3.0	4.3	3.0	3.3
Au03-506	3.3	2.0	3.8	2.0	2.8
G03-1170 RR	2.3	2.0	4.5	2.5	2.8
G03-2018 RR	1.8	2.0	4.0	2.0	2.4
G03-2090 RR	2.5	2.5	3.8	3.5	3.1
G03-2394 RR	2.5	2.5	4.0	2.5	2.9
N01-11884	2.5	2.0	4.3	3.0	2.9
N02-7543	2.0	1.5	3.3	2.0	2.2
N02-7747	2.8	1.5	5.0	3.5	3.2
N02-8492	1.5	1.0	2.8	2.0	1.8
N02-8951	2.3	1.0	3.8	2.0	2.3
N03-11895	1.8	1.5	4.3	3.5	2.8
N04-9856	1.8	2.0	4.3	3.0	2.8
NCC02-21183	1.0	1.5	1.5	2.5	1.6
NCC02-24030RR	1.0	2.5	3.3	2.0	2.2
NCC03-149RR	2.0	2.5	2.5	2.0	2.3
R02-3065	2.3	1.5	1.8	2.5	2.0
R03-1011	2.0	2.0	2.8	2.0	2.2
R03-1134	1.5	2.0	2.8	3.0	2.3
R03-1232	1.0	1.0	1.3	2.0	1.3
R03-183	1.0	2.0	2.8	4.5	2.6
SC03-9084RR	2.5	2.5	3.8	2.5	2.8
SC03-9090RR	2.0	3.0	4.0	2.5	2.9
SC03-9151RR	2.0	2.0	2.8	2.5	2.3
SC03-9153RR	2.0	2.0	3.5	2.5	2.5
SC03-9438RR	2.0	1.5	3.5	2.0	2.3

TABLE 60 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2006

STRAIN/ VARIETY	PETERSBURG VA	PINE TREE AR	TALLASSEE AL(A)	MEAN
DILLON	2.0	2.0	1.0	1.7
BOGGS RR	1.0	2.3	1.0	1.4
NC-ROY	1.0	2.0	1.0	1.3
Au03-248	2.5	3.0	1.0	2.2
Au03-317	1.5	2.3	1.0	1.6
Au03-4018RR	2.0	2.3	1.0	1.8
Au03-506	2.0	2.3	1.0	1.8
G03-1170 RR	3.0	2.5	1.0	2.2
G03-2018 RR	1.5	1.5	1.0	1.3
G03-2090 RR	2.0	2.5	1.0	1.8
G03-2394 RR	2.0	2.3	1.0	1.8
N01-11884	2.0	2.5	1.0	1.8
N02-7543	1.5	2.0	1.5	1.7
N02-7747	1.5	2.3	1.0	1.6
N02-8492	1.5	2.3	1.0	1.6
N02-8951	1.0	2.3	1.0	1.4
N03-11895	1.0	2.0	1.0	1.3
N04-9856	2.0	2.3	1.0	1.8
NCC02-21183	1.5	1.8	1.5	1.6
NCC02-24030RR	1.5	2.0	1.0	1.5
NCC03-149RR	2.0	2.0	1.0	1.7
R02-3065	1.5	1.8	1.0	1.4
R03-1011	2.0	2.0	1.0	1.7
R03-1134	2.0	1.8	1.0	1.6
R03-1232	2.0	2.0	1.0	1.7
R03-183	1.5	2.5	1.0	1.7
SC03-9084RR	2.0	2.8	1.0	1.9
SC03-9090RR	2.0	2.0	1.0	1.7
SC03-9151RR	2.0	2.3	1.0	1.8
SC03-9153RR	2.0	2.3	1.0	1.8
SC03-9438RR	1.0	2.5	1.0	1.5

UNIFORM GROUP VII

2006

Uniform Group VII nurseries were planted at 13 locations. Data were obtained from 12 of the locations. The parentage for each strain is reported in Table 61. Table 62 gives a general summary of information for each strain including one, two, and three-year means for seed yield, oil and protein percentages, botanical traits, and pest reactions. Results from individual locations are summarized in Tables 63 - 68.

TABLE 61 ~ PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	Hutcheson x Coker 6738	
2. HASKELL RR	(Johnson x Braxton) x RR	
3. Au02-1126	G92-2381 x G93-1749	
4. Au02-2844	NC-Raleigh x G92-1110	
5. Au02-3104	NC-Raleigh x G92-1110	
6. G00-3209	N7001 X Boggs	F7d
7. G00-3213	N7001 X Boggs	F7d
8. G03-364 RR	G95-346 X H7242 RR	F5d
9. G03-821 RR	G94-3117 X H7242 RR	F5d
10. N97-9658	N7001 x Cook	F4
11. N01-11136	NTCPR94-5157 x N96-7031	F4
12. N01-11491	NTCPR94-5157 X N96-6767	F4
13. N01-11777	Graham x N96-7031	F4
14. N02-219	SC91-2007 x Holladay	F4
15. N02-7084	Cook x Anand	F4
16. SC01-796RR	SANTEE/{SC92-2482/[BENNING/(HAGOOD/BC1RESNIKRR)]}	F5
17. SC01-819RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	F5
18. SC02-176RR	MUSEN/[MUSEN/{SC92-2482/(BENNING/(HAGOOD/BC1RESNIK	F5
19. SC02-208RR	SANTEE/[SC92-2482(2)/{HAGOOD(2)/BC1RESNIKRR}]	F5

TABLE 62 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD			PROTEIN			OIL		
			2006	05-06	04-06	2006	05-06	04-06	2006	05-06	04-06
BENNING	7	8	53.9	49.2	47.1	41.3	41.2	40.4	20.3	20.6	20.3
HASKELL RR	16	11	50.0	47.4	46.4	40.3	40.5	40.1	19.4	19.8	19.7
Au02-1126	9	10	53.3	.	.	42.5	.	.	18.7	.	.
Au02-2844	8	9	53.5	.	.	37.7	.	.	19.5	.	.
Au02-3104	6	7	54.3	.	.	38.6	.	.	19.8	.	.
G00-3209	1	5	57.5	53.5	53.1	44.0	43.5	42.8	18.8	19.2	19.3
G00-3213	2	4	57.4	53.6	52.3	42.6	42.1	41.6	19.2	19.7	19.6
G03-364 RR	10	11	52.0	49.1	.	40.7	40.8	.	19.3	19.9	.
G03-821 RR	17	14	49.4	.	.	42.9	.	.	18.9	.	.
N97-9658	5	7	54.5	51.5	49.8	41.6	41.6	40.7	19.0	19.4	19.5
N01-11136	11	11	51.7	48.8	.	41.1	40.5	.	19.0	19.7	.
N01-11491	14	13	50.4	.	.	40.5	.	.	19.2	.	.
N01-11777	12	12	51.1	48.3	.	40.1	39.7	.	19.0	19.6	.
N02-219	4	5	55.8	.	.	41.0	.	.	20.2	.	.
N02-7084	3	7	56.0	52.8	.	40.4	39.8	.	19.7	20.2	.
SC01-796RR	19	15	47.4	46.9	.	41.5	41.2	.	19.6	20.2	.
SC01-819RR	18	15	48.6	47.0	.	42.3	42.7	.	19.3	20.0	.
SC02-176RR	13	14	50.4	.	.	42.4	.	.	19.1	.	.
SC02-208RR	15	13	50.3	.	.	42.7	.	.	19.2	.	.

Data not included in mean:
2006 - Bossier City, LA
2005 - Calhoun, GA; Fairhope, AL
2004 - Beaumont, TX

TABLE 62 ~Continued

BOTANICAL TRAITS								
STRAIN/ VARIETY	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	FL COLOR	PUB. COLOR	POD COLOR
BENNING	10/24	1.8	35	1.6	16.0	P	T	T
HASKELL RR	2+	2.5	38	1.9	15.8	P	T	T
Au02-1126	0	1.6	32	2.0	14.6	P	G	T
Au02-2844	2+	2.1	34	2.0	14.6	P	T	T
Au02-3104	4+	2.3	39	2.1	14.4	W	T	T
G00-3209	3+	1.9	35	1.6	16.0	W	T	T
G00-3213	0	1.5	34	1.8	16.4	W	T	T
G03-364 RR	1+	1.9	36	1.7	14.2	W	T	T
G03-821 RR	0	2.1	39	1.7	14.4	P	T	T
N97-9658	2+	2.1	34	1.7	13.7	P	G	T
N01-11136	2+	1.8	33	2.1	17.7	P	G	T
N01-11491	1+	1.9	29	1.9	15.7	P	T	T
N01-11777	2+	2.0	31	1.9	15.8	P	G	B
N02-219	0	2.1	34	1.9	16.6	P	G	T
N02-7084	1+	1.9	34	2.0	16.3	P	T	T
SC01-796RR	4+	2.2	41	1.7	15.0	P	G	T
SC01-819RR	3+	1.1	36	1.6	15.7	W	G	T
SC02-176RR	0	2.2	37	1.7	13.2	P	G	T
SC02-208RR	1+	1.3	37	1.6	14.0	W	G	T

TABLE 62 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SRK GA	PRK GA	SMV S95-52	SMV G1	SC RATING	SC SCORE
	1.2.5.7 2	7 3	1.3.5.6.7 14						
BENNING	5	1	4	1.0	3.3	S	S	R	1
HASKELL RR	5	3	4	1.3	1.5	S	S	R	1
Au02-1126	5	1	4	2.8	1.3	S	SEG	R	1
Au02-2844	3	1	5	4.0	4.3	SEG	R	R	1
Au02-3104	4	1	4	3.0	3.3	S	SEG	R	1
G00-3209	4	1	5	1.3	1.5	R	SEG	R	1
G00-3213	4	1	5	2.8	4.8	R	R	R	1
G03-364 RR	4	1	5	2.3	3.0	S	S	R	1
G03-821 RR	5	1	5	1.0	4.3	S	S	R	1
N97-9658	5	5	4	2.3	4.8	R	R	R	1
N01-11136	5	4	5	5.0	4.5	S	R	R	1
N01-11491	5	5	4	5.0	3.8	S	R	S	5
N01-11777	5	4	4	5.0	4.0	R	R	S	5
N02-219	4	1	3	5.0	4.5	S	R	S	5
N02-7084	3	2	1	5.0	4.5	S	R	R	1
SC01-796RR	4	1	4	2.3	5.0	S	R	S	5
SC01-819RR	4	1	4	3.8	4.5	S	R	S	5
SC02-176RR	4	1	1	2.5	3.0	S	R	R	1
SC02-208RR	3	1	3	1.3	4.8	S	R	S	5

TABLE 63 ~ SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	41.4
HASKELL RR	36.6
Au02-1126	42.4
Au02-2844	41.8
Au02-3104	43.4
G00-3209	39.7
G00-3213	43.0
G03-364 RR	35.6
G03-821 RR	40.1
N97-9658	42.9
N01-11136	39.4
N01-11491	39.2
N01-11777	37.7
N02-219	43.3
N02-7084	39.5
SC01-796RR	36.3
SC01-819RR	39.7
SC02-176RR	36.2
SC02-208RR	40.9
L.S.D. (0.05)	6.0
C.V. (%)	9.1

TABLE 63 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	51.4	54.2	60.3	31.5	58.1	84.5	42.1	67.3	43.0	59.2	55.2
HASKELL RR	36.2	45.7	61.4	41.2	56.2	83.5	51.2	60.0	35.4	42.2	51.3
Au02-1126	49.9	47.8	59.0	32.8	55.1	83.1	43.8	63.1	44.7	64.3	54.4
Au02-2844	43.0	58.0	61.4	38.1	52.0	88.9	52.1	59.6	34.0	59.8	54.7
Au02-3104	49.7	54.8	60.8	39.1	61.1	81.6	59.7	57.9	46.5	43.1	55.4
G00-3209	61.5	56.2	58.1	39.8	56.2	87.9	52.3	63.2	46.4	70.8	59.2
G00-3213	58.7	57.1	62.6	41.7	61.4	83.1	48.9	65.7	47.6	61.8	58.9
G03-364 RR	55.1	52.1	58.6	34.5	55.1	82.8	49.0	64.6	35.0	49.8	53.7
G03-821 RR	47.4	50.4	54.0	32.1	55.2	80.1	40.5	56.6	36.9	50.2	50.3
N97-9658	45.8	51.4	61.4	40.5	55.4	86.2	45.2	63.3	39.8	67.7	55.7
N01-11136	45.1	50.7	56.9	38.5	54.2	84.7	50.6	62.4	32.4	53.3	52.9
N01-11491	42.7	50.7	53.4	35.6	57.5	80.4	44.7	59.8	30.5	60.3	51.5
N01-11777	41.4	47.4	57.1	41.1	52.3	80.6	44.9	61.0	39.4	59.6	52.5
N02-219	47.6	55.2	65.4	38.6	58.9	84.7	52.1	68.5	40.8	58.9	57.1
N02-7084	60.8	53.4	63.0	38.8	57.9	78.7	46.3	61.4	47.9	67.9	57.6
SC01-796RR	40.7	40.4	59.3	31.6	55.2	79.4	48.0	52.3	36.4	42.2	48.6
SC01-819RR	38.7	40.7	59.7	34.2	53.6	78.7	42.2	57.3	38.4	51.6	49.5
SC02-176RR	53.2	48.6	54.8	36.7	48.0	76.3	46.2	53.4	44.7	56.9	51.9
SC02-208RR	44.7	50.4	59.2	34.2	52.3	80.9	40.5	55.2	38.6	56.7	51.3
L.S.D. (0.05)	7.0	6.1	5.9	4.7	8.9	10.2	7.1	4.9	9.3	12.3	.
C.V. (%)	8.8	7.3	6.0	7.7	9.6	7.5	9.0	4.9	14.1	13.1	.

TABLE 63 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
BENNING	29.6
HASKELL RR	28.1
Au02-1126	36.0
Au02-2844	36.9
Au02-3104	47.6
G00-3209	32.5
G00-3213	34.3
G03-364 RR	31.8
G03-821 RR	26.5
N97-9658	42.1
N01-11136	34.9
N01-11491	29.6
N01-11777	41.0
N02-219	32.5
N02-7084	33.4
SC01-796RR	32.0
SC01-819RR	29.2
SC02-176RR	37.0
SC02-208RR	32.3
L.S.D. (0.05)	9.9
C.V. (%)	17.6

Data not included in mean

TABLE 64 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

OIL PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	BOSSIER CITY AL	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	20.4	19.3	20.5	.	.	20.2	20.1	20.5	.	20.7	20.5	.	20.3
HASKELL RR	20.1	18.4	19.8	.	.	18.9	19.9	19.7	.	19.3	18.8	.	19.4
Au02-1126	18.0	17.3	19.2	.	.	19.4	19.1	18.4	.	18.7	19.2	.	18.7
Au02-2844	19.6	17.9	20.3	.	.	19.1	20.7	19.4	.	19.3	20.0	.	19.5
Au02-3104	19.5	18.6	20.7	.	.	19.2	21.0	18.6	.	20.0	20.9	.	19.8
G00-3209	18.7	16.6	19.6	.	.	18.5	19.8	19.0	.	19.0	19.4	.	18.8
G00-3213	19.0	16.8	19.6	.	.	19.0	19.7	19.4	.	20.0	20.0	.	19.2
G03-364 RR	20.2	18.2	19.5	.	.	18.8	20.1	19.2	.	19.2	18.9	.	19.3
G03-821 RR	19.0	18.0	19.2	.	.	19.4	20.6	18.5	.	18.4	18.3	.	18.9
N97-9658	19.5	18.3	19.1	.	.	18.6	19.7	18.9	.	18.9	18.7	.	19.0
N01-11136	18.9	16.9	19.5	.	.	18.6	19.7	19.2	.	19.7	19.6	.	19.0
N01-11491	19.2	18.4	19.0	.	.	17.8	19.7	19.9	.	19.8	19.6	.	19.2
N01-11777	19.0	17.9	19.4	.	.	18.7	19.6	19.1	.	19.3	19.1	.	19.0
N02-219	20.0	19.5	20.3	.	.	19.5	20.1	20.8	.	21.1	20.0	.	20.2
N02-7084	19.6	18.8	19.7	.	.	19.4	20.7	19.6	.	20.0	19.5	.	19.7
SC01-796RR	20.1	18.3	19.9	.	.	19.9	19.6	20.2	.	19.2	19.5	.	19.6
SC01-819RR	19.0	18.5	20.3	.	.	19.2	20.0	19.1	.	19.6	18.7	.	19.3
SC02-176RR	18.9	18.4	19.0	.	.	18.9	19.2	19.8	.	19.3	19.3	.	19.1
SC02-208RR	19.4	17.6	19.1	.	.	19.9	20.1	19.2	.	18.4	19.5	.	19.2

TABLE 64 ~Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	BOSSIER CITY AL	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	40.6	40.5	42.0	.	.	38.3	42.6	41.1	.	42.2	42.8	.	41.3
HASKELL RR	37.6	40.2	40.7	.	.	37.4	43.2	39.0	.	41.5	42.4	.	40.3
Au02-1126	42.2	43.6	42.4	.	.	38.4	43.7	42.0	.	44.4	43.4	.	42.5
Au02-2844	34.8	38.8	37.7	.	.	35.9	39.0	37.8	.	39.0	38.9	.	37.7
Au02-3104	37.0	39.0	38.0	.	.	35.8	40.1	41.0	.	39.8	38.3	.	38.6
G00-3209	43.3	45.8	44.2	.	.	42.5	44.5	42.6	.	45.7	43.3	.	44.0
G00-3213	40.4	45.1	43.2	.	.	40.0	42.8	42.2	.	43.7	43.2	.	42.6
G03-364 RR	36.7	40.7	41.8	.	.	38.6	42.3	39.8	.	42.8	43.2	.	40.7
G03-821 RR	41.7	42.6	42.7	.	.	39.4	43.3	43.1	.	45.1	45.3	.	42.9
N97-9658	39.2	42.3	41.5	.	.	39.6	43.3	41.0	.	43.3	42.8	.	41.6
N01-11136	40.4	42.7	40.9	.	.	39.7	41.7	39.4	.	42.2	41.4	.	41.1
N01-11491	38.7	40.4	41.2	.	.	40.5	42.2	38.4	.	41.0	41.2	.	40.5
N01-11777	38.0	41.4	40.3	.	.	38.6	40.5	39.9	.	41.0	41.2	.	40.1
N02-219	40.2	41.1	40.5	.	.	38.9	43.2	39.7	.	41.3	43.2	.	41.0
N02-7084	39.2	40.1	40.8	.	.	38.5	40.9	39.9	.	40.9	42.5	.	40.4
SC01-796RR	40.2	43.0	41.2	.	.	39.2	41.6	40.7	.	43.1	42.7	.	41.5
SC01-819RR	40.8	41.7	42.0	.	.	40.1	44.0	41.4	.	44.7	44.0	.	42.3
SC02-176RR	41.8	42.7	43.5	.	.	40.7	42.3	41.6	.	42.6	43.7	.	42.4
SC02-208RR	40.2	43.8	41.9	.	.	39.1	44.3	43.1	.	45.4	43.7	.	42.7

TABLE 64 ~Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	BOSSIER CITY AL	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	18.1	16.3	15.3	13.5	19.0	14.7	20.6	14.3	14.7	15.1	17.9	14.8	16.0
HASKELL RR	17.2	15.5	15.5	13.4	18.3	13.8	21.5	13.9	15.6	15.8	15.8	15.8	15.8
Au02-1126	16.4	14.4	13.5	12.5	17.5	12.6	17.8	12.5	14.4	15.0	15.5	15.9	14.6
Au02-2844	15.5	14.7	14.2	11.2	17.5	13.1	18.6	13.2	16.8	14.6	14.9	13.6	14.6
Au02-3104	16.3	14.4	14.0	11.4	16.9	12.6	18.4	13.4	15.6	15.0	14.7	12.8	14.4
G00-3209	18.9	17.1	13.9	13.4	19.0	14.8	20.8	14.6	15.8	15.5	15.0	15.7	16.0
G00-3213	19.2	17.2	14.5	14.4	20.0	15.5	21.2	14.9	16.6	16.2	16.6	13.9	16.4
G03-364 RR	15.5	14.2	13.6	12.4	17.4	13.6	18.2	12.2	14.8	14.3	14.5	12.7	14.2
G03-821 RR	16.2	14.4	13.2	11.7	18.4	13.4	19.0	12.2	15.3	13.2	15.8	13.6	14.4
N97-9658	15.2	15.1	13.1	12.2	14.9	12.5	17.0	12.0	14.8	14.3	13.2	11.6	13.7
N01-11136	19.6	18.1	17.3	14.1	19.3	16.1	22.4	16.0	17.6	17.5	17.0	19.3	17.7
N01-11491	16.8	16.3	16.0	11.6	16.8	14.6	20.1	14.5	15.9	15.9	14.6	15.8	15.7
N01-11777	16.4	16.1	16.3	12.3	16.5	15.4	19.7	14.2	15.1	15.7	14.9	17.4	15.8
N02-219	18.1	17.4	16.1	13.7	17.7	15.2	21.9	14.4	16.6	17.1	15.9	16.4	16.6
N02-7084	18.3	16.2	16.4	13.9	18.4	15.1	19.2	14.6	15.2	16.8	17.0	16.5	16.3
SC01-796RR	16.1	14.2	15.6	12.7	17.6	14.3	19.8	14.6	16.4	14.0	14.8	12.4	15.0
SC01-819RR	17.4	15.2	16.2	14.0	18.6	14.6	19.4	14.3	14.5	15.0	17.6	14.8	15.7
SC02-176RR	14.4	13.6	12.2	11.0	14.1	12.6	16.0	12.3	14.0	13.2	13.3	12.7	13.2
SC02-208RR	15.6	14.1	14.0	12.3	14.9	13.7	18.0	13.1	14.9	12.8	13.3	12.5	14.0

Data not included in mean

TABLE 65 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN BENNING, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	11/03
HASKELL RR	-1
Au02-1126	0
Au02-2844	0
Au02-3104	0
G00-3209	0
G00-3213	0
G03-364 RR	-1
G03-821 RR	-3
N97-9658	0
N01-11136	0
N01-11491	-2
N01-11777	0
N02-219	-1
N02-7084	-1
SC01-796RR	0
SC01-819RR	0
SC02-176RR	-1
SC02-208RR	-1

TABLE 65 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	10/23	10/24	10/19	.	10/30	10/22	10/26	.	10/16	10/17	10/22
HASKELL RR	1	4	6	.	1	2	4	.	2	1	3
Au02-1126	1	0	1	.	0	1	1	.	-2	4	1
Au02-2844	5	5	8	.	2	2	5	.	-2	2	3
Au02-3104	7	6	11	.	2	6	6	.	2	2	6
G00-3209	6	6	6	.	2	1	5	.	1	2	4
G00-3213	2	2	1	.	1	-1	3	.	-5	-2	1
G03-364 RR	3	3	3	.	1	0	3	.	3	0	2
G03-821 RR	2	1	2	.	1	0	2	.	1	-5	1
N97-9658	2	6	4	.	2	1	5	.	1	0	3
N01-11136	5	4	4	.	1	0	5	.	1	3	3
N01-11491	4	3	6	.	0	1	6	.	-2	2	3
N01-11777	3	4	5	.	2	4	3	.	0	0	3
N02-219	5	2	1	.	0	4	2	.	-7	1	1
N02-7084	2	3	7	.	0	3	3	.	0	-1	2
SC01-796RR	7	6	8	.	2	7	6	.	5	1	5
SC01-819RR	6	3	8	.	2	3	6	.	4	4	5
SC02-176RR	1	2	4	.	-1	1	3	.	0	-1	1
SC02-208RR	4	2	4	.	0	-1	4	.	3	1	2

**TABLE 66 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII,
2006**

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	35
HASKELL RR	36
Au02-1126	30
Au02-2844	34
Au02-3104	36
G00-3209	33
G00-3213	34
G03-364 RR	35
G03-821 RR	35
N97-9658	33
N01-11136	32
N01-11491	26
N01-11777	28
N02-219	34
N02-7084	34
SC01-796RR	37
SC01-819RR	32
SC02-176RR	34
SC02-208RR	34

TABLE 66 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
BENNING	39	35	38	29	36	36	29	41	32	37	35
HASKELL RR	40	41	41	36	42	33	34	43	32	39	38
Au02-1126	34	30	36	29	30	33	24	41	29	35	32
Au02-2844	36	36	38	29	33	32	30	43	28	36	34
Au02-3104	44	39	41	36	40	41	35	42	34	35	39
G00-3209	37	35	39	32	39	37	27	41	30	37	35
G00-3213	34	35	39	31	37	33	30	41	30	30	34
G03-364 RR	39	38	42	32	36	34	32	40	33	36	36
G03-821 RR	44	38	46	37	43	38	31	40	38	37	39
N97-9658	38	35	33	33	38	31	30	39	31	34	34
N01-11136	34	32	37	30	37	29	28	38	29	33	33
N01-11491	31	28	32	24	33	31	23	36	27	32	30
N01-11777	34	31	34	27	38	30	23	38	28	33	32
N02-219	32	35	39	31	38	33	29	36	30	34	34
N02-7084	34	33	37	33	36	36	27	38	31	33	34
SC01-796RR	48	41	45	40	47	40	34	46	38	39	42
SC01-819RR	38	33	39	32	39	38	27	48	31	41	37
SC02-176RR	39	38	42	36	39	36	31	46	36	35	38
SC02-208RR	38	39	41	33	40	41	25	47	31	39	37

TABLE 66 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
BENNING	32
HASKELL RR	37
Au02-1126	32
Au02-2844	34
Au02-3104	35
G00-3209	33
G00-3213	32
G03-364 RR	35
G03-821 RR	38
N97-9658	33
N01-11136	34
N01-11491	29
N01-11777	30
N02-219	34
N02-7084	36
SC01-796RR	39
SC01-819RR	33
SC02-176RR	35
SC02-208RR	34

Data not included in mean

**TABLE 67 ~ PLANT LODGING FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII,
2006**

STRAIN/ VARIETY	EAST
	KINSTON NC
BENNING	4.0
HASKELL RR	2.8
Au02-1126	2.5
Au02-2844	3.7
Au02-3104	2.5
G00-3209	2.7
G00-3213	2.2
G03-364 RR	2.7
G03-821 RR	2.8
N97-9658	2.3
N01-11136	2.3
N01-11491	2.3
N01-11777	2.7
N02-219	2.8
N02-7084	3.0
SC01-796RR	3.0
SC01-819RR	1.5
SC02-176RR	3.2
SC02-208RR	1.8

TABLE 67 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	ATHENS GA(B)	BLACKVILLE SC(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TIFTON GA	MEAN
BENNING	2.0	1.0	1.5	1.5	1.5	2.0	1.0	1.7	2.0	1.6
HASKELL RR	1.7	3.0	2.3	2.0	3.0	2.7	1.7	2.7	2.7	2.4
Au02-1126	1.0	1.4	1.7	1.0	1.7	1.3	1.0	2.0	2.0	1.5
Au02-2844	1.7	1.3	2.0	1.7	1.8	2.3	1.3	2.3	2.3	1.9
Au02-3104	1.7	2.0	2.3	2.2	2.5	2.7	2.0	3.0	2.3	2.3
G00-3209	1.7	1.3	1.7	1.7	2.2	1.7	1.3	2.0	3.0	1.8
G00-3213	1.0	1.3	1.7	1.3	1.8	1.0	1.0	2.0	2.0	1.5
G03-364 RR	1.3	1.7	1.8	2.0	2.0	2.3	1.3	2.0	1.7	1.8
G03-821 RR	1.7	2.1	2.0	1.3	2.7	1.3	1.3	2.7	2.7	2.0
N97-9658	1.3	2.3	2.2	1.7	2.5	2.0	1.3	3.0	2.3	2.1
N01-11136	1.0	2.0	1.7	1.3	2.2	1.7	1.0	2.0	2.3	1.7
N01-11491	1.0	1.0	2.5	1.3	1.3	2.3	1.3	2.7	2.7	1.8
N01-11777	1.3	1.7	1.8	1.0	2.7	2.0	1.3	3.0	2.7	1.9
N02-219	1.0	2.0	1.8	1.7	2.2	2.3	1.3	2.3	3.0	2.0
N02-7084	1.7	2.3	2.7	1.0	2.2	2.0	1.0	2.0	1.3	1.8
SC01-796RR	2.0	2.0	2.2	1.3	2.2	2.3	1.7	2.3	2.7	2.1
SC01-819RR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0
SC02-176RR	1.7	1.7	2.5	1.8	2.7	2.3	1.3	2.7	2.3	2.1
SC02-208RR	1.0	1.0	1.2	1.0	1.3	1.3	1.0	2.0	1.3	1.2

TABLE 67 ~ Continued

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
BENNING	1.2
HASKELL RR	1.8
Au02-1126	1.3
Au02-2844	1.5
Au02-3104	1.8
G00-3209	2.0
G00-3213	1.3
G03-364 RR	1.3
G03-821 RR	2.2
N97-9658	1.0
N01-11136	1.0
N01-11491	1.0
N01-11777	1.0
N02-219	1.3
N02-7084	1.0
SC01-796RR	2.3
SC01-819RR	1.0
SC02-176RR	1.8
SC02-208RR	1.0

Data not included in mean

TABLE 68 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2006

STRAIN/ VARIETY	SOUTH						MEAN
	ATHENS GA(A)	ATHENS GA(B)	FAIRHOPE AL	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	
BENNING	2.0	1.5	2.0	1.8	1.0	1.5	1.6
HASKELL RR	2.0	1.7	2.5	2.0	1.0	2.0	1.9
Au02-1126	2.0	2.0	3.0	2.2	1.0	2.0	2.0
Au02-2844	2.0	2.0	3.0	2.0	1.0	2.0	2.0
Au02-3104	2.0	2.0	3.5	2.3	1.0	1.5	2.1
G00-3209	2.0	1.5	1.5	1.8	1.0	1.7	1.6
G00-3213	2.0	1.7	2.5	1.8	1.0	1.7	1.8
G03-364 RR	2.0	1.7	2.0	1.7	1.0	1.7	1.7
G03-821 RR	2.0	1.8	2.0	1.8	1.0	1.7	1.7
N97-9658	2.0	1.8	2.0	1.8	1.0	1.7	1.7
N01-11136	2.0	2.0	3.0	2.5	1.0	2.0	2.1
N01-11491	2.0	1.8	2.5	2.0	1.0	2.0	1.9
N01-11777	2.0	2.0	2.5	2.0	1.0	1.8	1.9
N02-219	2.0	2.0	2.5	2.3	1.0	1.8	1.9
N02-7084	2.0	1.7	3.0	2.2	1.0	2.0	2.0
SC01-796RR	2.0	1.7	2.5	1.7	1.0	1.5	1.7
SC01-819RR	2.0	1.7	1.5	1.8	1.0	1.5	1.6
SC02-176RR	2.0	2.0	1.5	2.0	1.0	1.5	1.7
SC02-208RR	2.0	1.7	1.5	2.0	1.0	1.7	1.6

TABLE 68 ~ CONTINUED

STRAIN/ VARIETY	WEST
	BOSSIER CITY LA
BENNING	2.3
HASKELL RR	2.3
Au02-1126	2.7
Au02-2844	2.0
Au02-3104	2.5
G00-3209	2.0
G00-3213	2.3
G03-364 RR	2.8
G03-821 RR	3.2
N97-9658	2.7
N01-11136	1.8
N01-11491	3.0
N01-11777	2.2
N02-219	2.3
N02-7084	2.5
SC01-796RR	2.8
SC01-819RR	3.0
SC02-176RR	2.0
SC02-208RR	2.7

Data not included in mean

PRELIMINARY GROUP VII

2006

Preliminary Group VII nurseries were planted at 6 locations. Data were obtained from 5 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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	Hutcheson x Coker 6738	
2. HASKELL RR	(Johnson x Braxton) x RR	
3. Au03-228	NC-Roy x G92-1110	
4. Au03-3644RR	Au94-863 x [Au92-763 (4) x RR Resnick]	
5. Au03-926	NC Roy x G93-1749	
6. G03-1187 RR	G95-346 X H7242 RR	F5d
7. G03-1364 RR	G94-3117 X H7242 RR	F5d
8. G03-1569 RR	G95-346 X H7242 RR	F5d
9. G04-163 RR	SC94-1075 X H7242 RR	F5d
10. G04-166 RR	SC94-1075 X H7242 RR	F5d
11. G04-236 RR	SC94-1075 X H7242 RR	F5d
12. G04-249 RR	SC94-1075 X H7242 RR	F5d
13. N01-11771	GRAHAM X N96-7031	F4
14. N02-8491	DILLON X N96-6730	F4
15. N03-594	N7103 X N90-845	F4
16. N03-862	N94-537 X K1424	F4
17. N03-893	N96-752 X TN93-99	F4
18. SC03-045RR	N95-614/(SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIK	F5
19. SC03-054RR	N95-614/(SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIK	F5
20. SC03-153RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
21. SC03-154RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
22. SC03-169RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
23. SC03-172RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
24. SC03-9383RR	SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIKRR]}	F5

TABLE 71 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	BLACKVILLE SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	MEAN
BENNING	57.0	44.9	42.7	57.3	36.7	50.5
HASKELL RR	53.3	29.4-	35.1-	67.1+	24.9	46.2
Au03-228	65.6	29.5-	38.3	60.8	25.1	48.6
Au03-3644RR	46.5	43.9	34.0-	47.6-	22.1	43.0
Au03-926	55.7	34.1-	36.1	61.0	36.2	46.7
G03-1187 RR	63.1	40.5	38.0	61.5	36.7	50.8
G03-1364 RR	54.5	42.6	37.0	57.1	32.9	47.8
G03-1569 RR	48.8	52.5	33.4-	56.8	31.1	47.9
G04-163 RR	53.8	42.8	41.0	56.8	30.6	48.6
G04-166 RR	44.6-	40.7	35.7	51.1	34.8	43.0
G04-236 RR	58.8	45.9	38.7	56.4	31.5	49.9
G04-249 RR	42.8-	41.2	38.3	52.1	33.7	43.6
N01-11771	60.1	26.1-	44.0	59.9	26.0	47.5
N02-8491	60.1	20.9-	44.4	53.9	19.1-	44.8
N03-594	54.1	35.4	32.8-	61.1	32.1	45.9
N03-862	46.9	33.4-	38.3	57.3	25.5	44.0
N03-893	59.0	40.1	36.6	61.2	20.9	49.2
SC03-045RR	48.0	35.9	42.0	57.1	25.8	45.7
SC03-054RR	55.2	42.2	38.1	57.9	26.0	48.3
SC03-153RR	56.5	50.5	41.4	63.2	35.1	52.9
SC03-154RR	62.8	45.4	37.0	52.9	36.7	49.5
SC03-169RR	63.1	42.3	37.4	56.4	28.1	49.8
SC03-172RR	52.1	47.0	41.6	57.8	38.1	49.6
SC03-9383RR	59.0	45.6	39.0	60.5	36.6	51.0
L.S.D. (0.05)	11.5	10.6	7.1	8.4	17.0	8.0
C.V. (%)	10.1	12.9	9.0	7.0	27.2	12.0

Data not included in mean

TABLE 72 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	BLACKVILLE SC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
BENNING	18.6	20.5	20.2	19.6
HASKELL RR	19.7	19.0	18.8	19.4
Au03-228	18.9	18.6	18.9	18.8
Au03-3644RR	19.9	18.9	18.6	19.4
Au03-926	18.9	19.2	18.4	19.1
G03-1187 RR	19.1	20.3	20.2	19.7
G03-1364 RR	19.3	18.8	18.1	19.1
G03-1569 RR	19.0	18.3	18.9	18.7
G04-163 RR	20.0	18.6	19.9	19.3
G04-166 RR	20.2	19.5	19.0	19.9
G04-236 RR	18.9	19.5	20.2	19.2
G04-249 RR	20.2	19.2	18.8	19.7
N01-11771	19.2	19.6	18.7	19.4
N02-8491	19.0	19.0	18.1	19.0
N03-594	19.1	18.0	19.1	18.6
N03-862	20.0	19.7	19.8	19.9
N03-893	19.8	20.1	20.0	20.0
SC03-045RR	21.0	20.3	20.8	20.7
SC03-054RR	19.9	20.8	20.1	20.4
SC03-153RR	19.7	19.3	19.5	19.5
SC03-154RR	19.4	18.7	17.9	19.1
SC03-169RR	19.4	18.6	17.5	19.0
SC03-172RR	18.7	18.5	18.5	18.6
SC03-9383RR	20.1	19.2	18.2	19.7

Data not included in mean

**TABLE 73 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII, 2006**

STRAIN/ VARIETY	BLACKVILLE SC(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
BENNING	41.2	42.7	43.5	42.0
HASKELL RR	41.0	42.5	43.7	41.8
Au03-228	40.4	42.4	41.4	41.4
Au03-3644RR	40.8	43.1	43.8	42.0
Au03-926	42.7	43.1	43.3	42.9
G03-1187 RR	40.9	40.2	41.8	40.6
G03-1364 RR	41.0	42.1	42.7	41.6
G03-1569 RR	41.8	42.6	42.9	42.2
G04-163 RR	41.9	45.0	42.9	43.5
G04-166 RR	40.9	42.2	43.7	41.6
G04-236 RR	42.0	44.7	44.4	43.4
G04-249 RR	41.0	42.2	44.3	41.6
N01-11771	40.8	41.4	42.2	41.1
N02-8491	41.5	41.7	44.3	41.6
N03-594	42.4	44.7	44.2	43.6
N03-862	40.9	42.8	42.9	41.9
N03-893	41.6	42.6	42.6	42.1
SC03-045RR	41.2	42.1	44.0	41.7
SC03-054RR	41.5	42.5	42.5	42.0
SC03-153RR	41.1	41.4	43.7	41.3
SC03-154RR	41.6	43.0	43.5	42.3
SC03-169RR	41.6	43.1	48.0	42.4
SC03-172RR	42.2	43.1	42.0	42.7
SC03-9383RR	41.5	44.5	46.7	43.0

Data not included in mean

TABLE 74 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	BLACKVILLE SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	MEAN
BENNING	14.9	17.3	16.9	14.4	17.0	15.9
HASKELL RR	14.7	15.3	16.7	16.1	15.1	15.7
Au03-228	16.2	15.2	14.8	16.2	13.7	15.6
Au03-3644RR	12.6	12.3	12.6	12.0	13.5	12.4
Au03-926	17.4	16.1	16.4	17.6	16.6	16.9
G03-1187 RR	14.9	15.2	15.6	14.9	16.3	15.1
G03-1364 RR	14.4	14.8	15.9	13.6	15.6	14.7
G03-1569 RR	12.6	13.2	13.9	13.2	13.4	13.2
G04-163 RR	13.3	14.4	14.6	12.2	13.4	13.6
G04-166 RR	11.7	11.4	13.3	11.9	13.1	12.1
G04-236 RR	11.2	11.6	12.9	11.1	13.0	11.7
G04-249 RR	23.3	12.3	13.6	11.7	14.6	15.2
N01-11771	13.5	14.2	13.9	14.3	13.0	14.0
N02-8491	16.7	19.9	18.5	17.2	18.1	18.1
N03-594	11.3	9.7	11.0	11.1	11.5	10.8
N03-862	17.2	19.5	17.3	17.9	18.9	18.0
N03-893	14.4	14.6	16.7	16.0	14.7	15.4
SC03-045RR	17.2	17.9	19.4	18.0	17.9	18.1
SC03-054RR	12.0	12.8	12.7	13.1	13.5	12.7
SC03-153RR	13.9	13.7	13.8	13.7	13.2	13.8
SC03-154RR	14.6	14.7	15.2	12.4	12.8	14.2
SC03-169RR	15.4	14.8	15.8	14.1	15.6	15.0
SC03-172RR	15.0	15.6	15.7	15.0	14.7	15.3
SC03-9383RR	13.9	14.1	15.2	14.2	15.0	14.4

Data not included in mean

TABLE 75 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	BLACKVILLE SC (A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	TALLASSEE AL (A)	MEAN
BENNING	41	41	36	40	32	39
HASKELL RR	45	38	35	40	32	40
Au03-228	41	42	37	41	35	40
Au03-3644RR	44	43	35	45	32	41
Au03-926	47	46	37	46	35	44
G03-1187 RR	45	41	36	43	31	41
G03-1364 RR	43	40	35	44	30	40
G03-1569 RR	50	48	38	45	35	45
G04-163 RR	47	41	35	45	29	42
G04-166 RR	48	44	36	42	35	42
G04-236 RR	38	38	32	40	27	37
G04-249 RR	48	48	42	43	33	45
N01-11771	38	41	30	42	26	37
N02-8491	44	41	36	42	30	41
N03-594	41	42	32	38	27	38
N03-862	46	46	39	43	30	43
N03-893	41	33	34	43	26	37
SC03-045RR	44	44	43	42	40	43
SC03-054RR	46	45	39	41	33	43
SC03-153RR	38	40	31	42	30	37
SC03-154RR	41	41	37	43	36	40
SC03-169RR	44	44	38	38	32	41
SC03-172RR	45	44	33	45	34	42
SC03-9383RR	42	42	36	42	31	40

Data not included in mean

TABLE 76 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	BLACKVILLE SC(A)	JACKSON SPRINGS NC	KINSTON NC	PLAINS GA	MEAN
BENNING	2.0	2.5	3.3	2.0	2.4
HASKELL RR	2.8	1.8	3.0	2.5	2.5
Au03-228	2.8	1.3	2.5	1.5	2.0
Au03-3644RR	2.8	2.5	2.8	3.5	2.9
Au03-926	3.8	3.5	3.0	2.5	3.2
G03-1187 RR	2.0	1.5	2.5	2.0	2.0
G03-1364 RR	2.0	1.3	2.8	1.5	1.9
G03-1569 RR	2.0	3.0	2.8	1.5	2.3
G04-163 RR	2.3	2.5	2.8	1.5	2.3
G04-166 RR	3.3	3.0	3.3	3.0	3.1
G04-236 RR	2.0	1.5	3.3	2.0	2.2
G04-249 RR	3.0	3.3	3.0	2.5	2.9
N01-11771	2.0	1.0	2.0	2.0	1.8
N02-8491	2.3	1.3	2.3	1.5	1.8
N03-594	3.0	1.0	2.8	1.5	2.1
N03-862	1.8	1.0	2.0	2.0	1.7
N03-893	1.3	1.0	2.3	1.5	1.5
SC03-045RR	2.5	1.5	2.0	2.0	2.0
SC03-054RR	3.3	3.3	3.3	2.5	3.1
SC03-153RR	2.0	2.3	2.8	1.5	2.1
SC03-154RR	2.8	3.3	3.0	2.0	2.8
SC03-169RR	2.8	2.3	3.5	2.5	2.8
SC03-172RR	2.3	3.5	2.0	2.0	2.4
SC03-9383RR	2.0	1.8	2.3	1.5	1.9

TABLE 77 ~ SEED QUALITY FOR STRAIN/QUALITY GROWN IN PRELIMINARY GROUP VII, 2006

STRAIN/ VARIETY	PLAINS	TALLASSEE	MEAN
	GA	AL(A)	
BENNING	1.8	1.0	1.8
HASKELL RR	1.8	1.0	1.8
Au03-228	1.5	1.0	1.5
Au03-3644RR	1.8	1.0	1.8
Au03-926	2.0	1.0	2.0
G03-1187 RR	1.8	1.0	1.8
G03-1364 RR	1.5	1.0	1.5
G03-1569 RR	1.5	1.0	1.5
G04-163 RR	2.0	1.0	2.0
G04-166 RR	2.0	1.0	2.0
G04-236 RR	1.8	1.0	1.8
G04-249 RR	1.5	1.0	1.5
N01-11771	2.0	1.0	2.0
N02-8491	2.0	1.0	2.0
N03-594	1.5	1.0	1.5
N03-862	1.8	1.0	1.8
N03-893	2.0	1.0	2.0
SC03-045RR	1.8	1.0	1.8
SC03-054RR	1.8	1.0	1.8
SC03-153RR	1.8	1.0	1.8
SC03-154RR	1.8	1.0	1.8
SC03-169RR	2.0	1.0	2.0
SC03-172RR	1.5	1.0	1.5
SC03-9383RR	1.8	1.0	1.8

Data not included in mean

UNIFORM GROUP VIII

2006

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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	(Coker Co82-622 x Howard) x RR	
2. COOK	Braxton x Bragg	
3. Au02-2814	NC-Raleigh x G92-1110	
4. Au02-3223	NC-Raleigh x G92-1110	
5. G00-3364	N7001 X Boggs	F7d
6. G03-680 RR	G94-3117 X H7242 RR	F5d
7. G03-825 RR	G94-3117 X H7242 RR	F5d
8. G03-889 RR	G94-3117 X H7242 RR	F5d
9. G03-899 RR	G94-3117 X H7242 RR	F5d
10. G03-952 RR	G94-3117 X H7242 RR	F5d
11. G04-G2261RR	G93-2225(6) X RR	BC6
12. N97-9612	N7001 x Cook	F4
13. N00-377	Au92-916 x N90-845	F4
14. NTC02AXB-717	N94-7440 x N7101	F4
15. SC01-803RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	F5
16. SC01-809RR	SC92-2482/{SC92-2482/[HAGOOD/(HAGOOD/BC1RESNIKRR)]}	F5
17. SC02-134RR	SC92-3091/[MAXCY/{BENNING/(HAGOOD/BC1RESNIKRR)}]	F5
18. SC02-163RR	MUSEN/[MUSEN/{SC92-2482/(BENNING/(HAGOOD/BC1RESNIKRR))}]	F5

TABLE 79 ~ GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006

STRAIN/ VARIETY	RANK	AVERAGE RANK	YIELD			PROTEIN			OIL		
			2006	05-06	04-06	2006	05-06	04-06	2006	05-06	04-06
PRICHARD RR	16	11	47.7	41.4	39.8	42.5	43.3	42.9	18.5	19.0	18.9
COOK	13	11	48.6	43.8	42.6	41.6	42.4	41.7	19.0	19.3	19.0
Au02-2814	1	4	54.9	.	.	38.1	.	.	21.1	.	.
Au02-3223	3	5	54.0	.	.	39.5	.	.	19.6	.	.
G00-3364	2	5	54.1	48.7	47.3	42.8	42.9	42.4	19.2	19.6	19.5
G03-680 RR	10	11	49.1	.	.	41.8	.	.	19.7	.	.
G03-825 RR	7	9	50.9	.	.	40.6	.	.	19.0	.	.
G03-889 RR	9	10	50.3	.	.	40.4	.	.	19.5	.	.
G03-899 RR	11	11	48.9	.	.	43.7	.	.	18.2	.	.
G03-952 RR	12	11	48.6	43.5	.	42.4	42.5	.	20.2	20.8	.
G04-G2261RR	6	8	51.3	.	.	41.7	.	.	18.9	.	.
N97-9612	4	6	53.4	46.5	45.7	40.7	41.5	40.8	18.4	18.7	18.5
N00-377	5	6	52.9	.	.	40.6	.	.	20.0	.	.
NTC02AXB-717	18	17	41.0	36.5	.	43.4	43.9	.	17.1	17.3	.
SC01-803RR	8	9	50.3	44.2	.	43.3	44.1	.	18.6	19.3	.
SC01-809RR	14	11	48.1	42.8	.	41.5	42.2	.	19.2	19.8	.
SC02-134RR	15	12	47.7	.	.	43.1	.	.	19.5	.	.
SC02-163RR	17	12	46.3	.	.	41.2	.	.	18.5	.	.

**Data not included in mean: 2006 - Tallasee, AL(B)
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	11/01	2.6	40	1.5	12.9	W	G	T
COOK	6-	1.9	36	1.9	15.5	P	T	T
Au02-2814	4-	2.0	35	1.8	14.0	W	T	T
Au02-3223	4-	2.0	36	1.9	14.8	W	T	T
G00-3364	4-	1.7	37	1.6	15.6	W	T	T
G03-680 RR	4-	2.1	41	1.6	14.1	MX	G	T
G03-825 RR	3-	1.7	38	1.7	14.0	P	G	T
G03-889 RR	5-	1.9	39	1.7	15.2	P	T	T
G03-899 RR	6-	1.8	38	1.9	14.2	P	T	T
G03-952 RR	4-	1.8	37	2.0	16.1	W	G	T
G04-G2261RR	6-	1.8	36	1.7	13.8	P	T	T
N97-9612	5-	2.3	36	1.7	15.3	P	G	T
N00-377	2-	1.7	33	1.6	16.1	P	G	T
NTC02AXB-717	2-	2.1	34	1.4	7.6	P	G	T
SC01-803RR	3-	1.3	38	1.6	15.5	W	G	T
SC01-809RR	4-	1.2	34	1.7	15.8	W	G	T
SC02-134RR	4-	2.0	37	1.5	14.9	P	T	T
SC02-163RR	1-	2.3	41	1.6	13.2	W	G	T

TABLE 79 ~ Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN HG TYPE	SCN HG TYPE	SCN HG TYPE	SRK GA	PRK GA	SMV S95-52	SMV G1	SC RATING	SC SCORE
	1.2.5.7 2	7 3	1.3.5.6.7 14						
PRICHARD RR	3	1	2	1.5	4.0	R	R	R	1
COOK	4	4	4	3.5	4.0	S	R	S	5
Au02-2814	4	4	5	2.5	3.5	R	R	S	5
Au02-3223	4	3	4	4.5	3.5	S	SEG	R	1
G00-3364	3	1	5	3.0	2.0	S	?	S	5
G03-680 RR	3	1	4	1.0	4.5	S	R	R	1
G03-825 RR	4	1	5	1.5	3.5	S	R	R	1
G03-889 RR	3	1	5	1.0	3.5	S	R	R	1
G03-899 RR	2	1	5	1.0	5.0	S	R	S	5
G03-952 RR	4	1	5	2.0	5.0	S	R	S	5
G04-G2261RR	4	1	5	1.0	3.8	S	R	R	1
N97-9612	5	4	4	4.5	3.8	R	R	S	5
N00-377	5	4	5	5.0	4.5	R	R	R	1
NTC02AXB-717	5	3	5	5.0	2.8	R	R	S	5
SC01-803RR	4	1	5	3.8	4.5	S	R	SS	3
SC01-809RR	3	1	5	5.0	4.8	S	R	S	5
SC02-134RR	5	1	5	2.8	4.5	R	R	S	5
SC02-163RR	5	1	3	3.0	4.8	S	R	S	5

TABLE 80 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	39.2
COOK	40.2
Au02-2814	49.3
Au02-3223	46.2
G00-3364	40.1
G03-680 RR	44.3
G03-825 RR	49.1
G03-889 RR	.
G03-899 RR	40.0
G03-952 RR	40.2
G04-G2261RR	43.3
N97-9612	47.3
N00-377	41.2
NTC02AXB-717	35.6
SC01-803RR	39.0
SC01-809RR	42.1
SC02-134RR	40.0
SC02-163RR	38.3
L.S.D. (0.05)	8.4
C.V. (%)	10.6

TABLE 80 ~ Continued

STRAIN/ VARIETY	SOUTH									MEAN
	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	
PRICHARD RR	45.2	36.7	54.4	71.9	42.8	51.4	53.3	38.3	34.0	48.7
COOK	32.7	35.4	52.4	74.1	40.7	62.1	51.4	21.0	48.2	49.6
Au02-2814	35.5	35.1	56.4	83.3	50.5	69.1	63.2	26.1	51.6	55.6
Au02-3223	42.6	33.6	57.1	81.1	47.9	70.6	56.6	23.5	50.0	54.9
G00-3364	45.5	40.6	57.9	82.6	45.5	61.9	55.4	30.4	57.7	55.9
G03-680 RR	41.4	31.1	55.0	79.2	40.0	55.4	51.0	24.9	44.7	49.7
G03-825 RR	36.6	33.6	58.6	72.9	43.8	61.9	57.0	19.7	44.5	51.1
G03-889 RR	34.9	35.1	53.2	86.2	44.6	55.7	50.0	22.2	42.4	50.3
G03-899 RR	38.8	30.8	56.9	73.9	40.5	61.0	57.4	29.2	40.5	50.0
G03-952 RR	42.9	26.9	54.4	73.9	41.8	55.5	54.5	41.6	47.3	49.6
G04-G2261RR	31.6	31.2	53.4	78.9	46.6	65.1	62.6	20.8	48.6	52.3
N97-9612	38.7	34.3	58.7	79.7	44.0	69.7	55.8	28.1	52.2	54.1
N00-377	39.3	37.1	53.9	80.6	41.3	69.1	59.9	18.5	54.1	54.4
NTC02AXB-717	27.3	30.7	39.8	65.9	38.5	49.3	47.6	27.7	34.6	41.7
SC01-803RR	45.2	34.6	55.0	78.5	43.9	58.6	53.2	27.1	45.0	51.7
SC01-809RR	38.4	35.4	51.5	81.8	40.6	54.4	44.7	17.6	44.2	48.9
SC02-134RR	38.2	34.1	54.3	73.6	46.2	53.2	49.3	28.4	40.7	48.7
SC02-163RR	39.4	35.3	49.8	72.4	43.8	45.0	56.7	36.1	36.5	47.4
L.S.D. (0.05)	8.9	4.7	7.4	9.5	5.6	5.4	9.8	17.4	7.4	.
C.V. (%)	13.9	8.3	8.3	7.4	7.8	5.5	10.8	38.6	9.8	.

Data not included in mean

TABLE 81 ~ CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006

STRAIN/ VARIETY	OIL PERCENTAGES										MEAN
	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	
PRICHARD RR	19.2	.	17.6	19.1	18.4	.	18.4	18.1	19.7	.	18.5
COOK	19.9	.	18.8	19.1	18.3	.	19.0	18.9	19.0	.	19.0
Au02-2814	21.7	.	19.7	22.3	21.2	.	20.4	21.4	21.3	.	21.1
Au02-3223	20.0	.	19.3	19.8	19.0	.	19.9	19.4	20.7	.	19.6
G00-3364	18.9	.	18.2	20.1	18.9	.	19.6	19.5	19.3	.	19.2
G03-680 RR	20.7	.	19.3	19.3	19.7	.	19.8	19.2	20.3	.	19.7
G03-825 RR	19.2	.	18.8	19.2	19.6	.	19.0	18.0	18.5	.	19.0
G03-889 RR	19.8	.	18.8	20.1	19.1	.	19.5	19.8	19.0	.	19.5
G03-899 RR	19.6	.	18.4	16.1	18.5	.	18.9	17.7	19.6	.	18.2
G03-952 RR	19.8	.	19.9	20.3	20.7	.	20.6	20.0	20.7	.	20.2
G04-G2261RR	19.7	.	19.1	19.0	18.2	.	18.9	18.4	19.9	.	18.9
N97-9612	18.9	.	18.3	18.6	18.1	.	18.5	18.1	18.5	.	18.4
N00-377	21.5	.	20.0	19.7	20.7	.	18.9	19.3	20.3	.	20.0
NTC02AXB-717	18.5	.	16.6	16.9	16.7	.	16.7	17.4	17.2	.	17.1
SC01-803RR	18.6	.	18.3	19.1	18.9	.	18.9	17.9	17.9	.	18.6
SC01-809RR	18.4	.	19.3	19.5	19.2	.	19.8	18.8	18.5	.	19.2
SC02-134RR	20.1	.	19.3	19.6	19.9	.	18.7	19.2	19.6	.	19.5
SC02-163RR	18.3	.	18.1	18.9	18.6	.	18.7	18.4	19.2	.	18.5

Data not included in mean

TABLE 81 ~ Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	MEAN
PRICHARD RR	36.5	.	41.3	45.3	42.3	.	45.3	44.5	40.7	.	42.5
COOK	35.9	.	40.8	43.4	42.4	.	43.2	43.6	42.6	.	41.6
Au02-2814	32.9	.	38.2	39.9	38.2	.	39.5	39.6	39.0	.	38.1
Au02-3223	34.1	.	38.4	42.4	39.7	.	40.8	41.7	38.2	.	39.5
G00-3364	37.9	.	43.3	45.2	42.1	.	44.3	43.8	42.5	.	42.8
G03-680 RR	37.1	.	40.4	44.7	41.8	.	43.5	43.2	39.9	.	41.8
G03-825 RR	33.8	.	40.3	44.0	40.0	.	42.5	43.2	38.9	.	40.6
G03-889 RR	34.8	.	38.3	43.4	40.9	.	42.9	41.8	40.4	.	40.4
G03-899 RR	37.8	.	42.2	49.0	43.0	.	45.1	45.3	41.0	.	43.7
G03-952 RR	39.7	.	40.6	44.9	42.2	.	43.8	43.4	41.7	.	42.4
G04-G2261RR	35.2	.	39.4	44.2	42.9	.	45.0	43.7	40.4	.	41.7
N97-9612	36.5	.	40.6	41.9	40.9	.	41.8	42.2	41.5	.	40.7
N00-377	34.3	.	39.5	42.4	40.5	.	42.9	43.9	40.3	.	40.6
NTC02AXB-717	37.7	.	43.1	46.2	43.3	.	45.8	44.4	44.8	.	43.4
SC01-803RR	40.3	.	41.6	46.4	43.1	.	43.5	45.1	42.5	.	43.3
SC01-809RR	37.3	.	40.1	44.5	41.8	.	43.0	42.2	38.8	.	41.5
SC02-134RR	36.9	.	40.1	46.7	42.7	.	46.3	46.0	41.8	.	43.1
SC02-163RR	38.9	.	38.7	42.7	41.4	.	42.8	42.7	40.5	.	41.2

Data not included in mean

TABLE 81 ~ Continued

STRAIN/ VARIETY	GRAMS PER 100 SEED										MEAN
	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	
PRICHARD RR	12.9	11.5	11.5	17.1	11.7	14.1	11.9	14.8	11.1	10.6	12.9
COOK	14.7	13.5	16.1	19.5	13.4	17.3	15.8	16.3	15.7	13.2	15.5
Au02-2814	13.4	11.9	13.1	18.9	12.9	14.2	14.3	15.9	13.2	11.2	14.0
Au02-3223	14.2	13.0	13.5	19.3	13.8	16.5	15.3	16.1	13.6	11.6	14.8
G00-3364	15.2	14.0	15.1	19.5	14.7	16.8	15.8	16.1	14.5	13.3	15.6
G03-680 RR	14.1	12.4	13.1	17.7	13.3	15.8	14.3	15.4	13.3	10.8	14.1
G03-825 RR	12.7	11.5	13.0	18.6	13.5	14.5	13.7	15.4	13.2	12.7	14.0
G03-889 RR	14.5	14.1	14.0	19.2	14.4	15.9	15.9	16.6	15.5	12.3	15.2
G03-899 RR	13.0	12.7	13.5	19.0	12.9	15.2	14.8	16.2	12.6	10.8	14.2
G03-952 RR	15.6	13.7	15.1	20.0	14.3	18.6	15.3	18.1	14.8	14.0	16.1
G04-G2261RR	13.0	10.7	12.8	17.6	12.4	15.6	15.2	15.0	13.7	12.2	13.8
N97-9612	14.1	12.8	15.8	19.2	13.7	16.2	16.7	16.2	15.1	12.9	15.3
N00-377	14.8	14.7	15.6	21.5	15.1	14.3	18.0	17.4	16.9	13.2	16.1
NTC02AXB-717	6.3	6.3	5.3	8.1	6.1	.	6.6	7.2	6.1	14.9	7.6
SC01-803RR	15.1	13.4	14.6	20.7	14.5	17.1	15.3	16.7	14.2	12.3	15.5
SC01-809RR	15.8	13.1	15.5	20.1	15.0	17.0	15.6	16.3	15.6	13.4	15.8
SC02-134RR	14.5	13.6	13.5	19.6	13.9	16.2	15.3	15.9	14.1	11.9	14.9
SC02-163RR	13.8	10.7	11.8	16.3	13.0	14.1	13.6	13.9	13.0	11.1	13.2

Data not included in mean

**TABLE 82 ~ RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN
PRICHARD RR, FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	11/11
COOK	-4
Au02-2814	-3
Au02-3223	-2
G00-3364	-1
G03-680 RR	-2
G03-825 RR	-2
G03-889 RR	-2
G03-899 RR	-3
G03-952 RR	-2
G04-G2261RR	-4
N97-9612	-4
N00-377	3
NTC02AXB-717	0
SC01-803RR	-1
SC01-809RR	-4
SC02-134RR	-3
SC02-163RR	0

TABLE 82 ~ Continued

SOUTH										
STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	MEAN
PRICHARD RR	10/30	.	11/03	11/01	11/02	.	11/02	11/02	10/19	10/30
COOK	-9	.	-3	-9	-5	.	-8	-5	-4	-6
Au02-2814	-6	.	-5	-6	0	.	-7	-6	-2	-4
Au02-3223	-5	.	-3	-6	-1	.	-7	-5	-2	-4
G00-3364	-6	.	-1	-9	-1	.	-8	-6	-4	-5
G03-680 RR	-5	.	-2	-8	-1	.	-6	-5	0	-4
G03-825 RR	-3	.	-3	-4	-1	.	-3	-5	-1	-3
G03-889 RR	-7	.	-2	-10	-1	.	-8	-4	-3	-5
G03-899 RR	-7	.	-3	-14	-3	.	-6	-5	-3	-6
G03-952 RR	-2	.	-4	-8	-2	.	-7	-4	-3	-4
G04-G2261RR	-10	.	-3	-9	-6	.	-7	-4	-4	-6
N97-9612	-7	.	-2	-8	-1	.	-7	-5	-3	-4
N00-377	-6	.	0	-2	-1	.	-4	-2	-3	-2
NTC02AXB-717	-2	.	-1	-3	1	.	-5	-2	-2	-2
SC01-803RR	-5	.	-4	-1	-2	.	-4	-5	-3	-3
SC01-809RR	-5	.	-2	-6	-2	.	-5	-5	-1	-4
SC02-134RR	-4	.	-2	-6	0	.	-7	-4	-2	-3
SC02-163RR	0	.	-1	-3	0	.	-5	-3	0	-1

Data not included in mean

TABLE 83 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	38
COOK	35
Au02-2814	38
Au02-3223	38
G00-3364	39
G03-680 RR	40
G03-825 RR	37
G03-889 RR	31
G03-899 RR	35
G03-952 RR	35
G04-G2261RR	35
N97-9612	37
N00-377	33
NTC02AXB-717	33
SC01-803RR	38
SC01-809RR	32
SC02-134RR	35
SC02-163RR	39

TABLE 83 ~ Continued

STRAIN/ VARIETY	SOUTH									MEAN
	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	
PRICHARD RR	44	39	38	43	34	44	38	28	40	40
COOK	43	33	34	35	28	39	37	22	39	36
Au02-2814	39	31	31	34	28	41	38	24	38	35
Au02-3223	40	31	32	36	30	41	35	21	39	36
G00-3364	37	34	39	39	31	43	35	23	35	37
G03-680 RR	49	37	41	38	35	47	42	25	43	42
G03-825 RR	43	33	37	39	30	42	38	23	39	38
G03-889 RR	41	36	38	41	36	43	42	27	39	40
G03-899 RR	43	36	40	39	30	42	39	25	39	39
G03-952 RR	41	32	36	37	31	43	37	28	37	37
G04-G2261RR	39	31	36	35	31	39	39	24	39	36
N97-9612	38	35	39	37	29	41	34	21	36	36
N00-377	34	29	30	34	28	42	33	21	32	33
NTC02AXB-717	40	27	36	34	28	40	31	19	35	34
SC01-803RR	42	35	38	39	29	45	36	27	40	38
SC01-809RR	38	30	32	36	27	44	31	22	34	34
SC02-134RR	40	30	35	39	32	42	38	22	39	37
SC02-163RR	47	40	43	40	33	44	41	30	43	41

Data not included in mean

**TABLE 84 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII,
2006**

STRAIN/ VARIETY	EAST
	KINSTON NC
PRICHARD RR	4.0
COOK	3.3
Au02-2814	2.5
Au02-3223	3.0
G00-3364	2.8
G03-680 RR	3.0
G03-825 RR	3.3
G03-889 RR	3.5
G03-899 RR	3.0
G03-952 RR	3.0
G04-G2261RR	3.0
N97-9612	3.0
N00-377	3.8
NTC02AXB-717	4.0
SC01-803RR	2.3
SC01-809RR	2.3
SC02-134RR	4.2
SC02-163RR	3.0

TABLE 84 ~ Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	TIFTON GA	MEAN
PRICHARD RR	1.7	2.0	3.7	3.0	1.7	2.3	1.0	2.7	2.4
COOK	1.0	1.7	1.8	2.7	1.0	2.0	1.0	2.0	1.7
Au02-2814	1.0	2.0	2.2	2.7	2.0	2.0	1.0	1.7	1.9
Au02-3223	1.0	1.7	2.3	2.7	1.7	1.7	1.0	2.0	1.9
G00-3364	1.0	1.2	2.7	1.0	1.3	1.7	1.0	1.7	1.5
G03-680 RR	1.3	1.7	2.2	2.3	2.0	2.0	1.0	2.0	1.9
G03-825 RR	1.3	1.3	2.0	1.3	2.0	1.3	1.0	1.3	1.5
G03-889 RR	1.0	1.2	2.5	2.0	1.7	2.3	1.0	1.3	1.7
G03-899 RR	1.3	1.3	2.3	2.0	1.3	2.0	1.0	1.3	1.7
G03-952 RR	1.0	1.3	2.0	2.7	1.3	2.0	1.0	1.3	1.7
G04-G2261RR	1.0	1.0	2.0	2.3	1.7	1.7	1.0	2.0	1.7
N97-9612	1.0	1.7	2.8	3.0	2.0	3.0	1.0	2.0	2.2
N00-377	1.0	1.3	1.0	1.7	1.3	1.7	1.0	1.7	1.4
NTC02AXB-717	1.0	1.3	3.0	2.0	1.0	2.3	1.0	2.0	1.8
SC01-803RR	1.0	1.0	1.3	1.3	1.0	1.3	1.0	1.3	1.2
SC01-809RR	1.0	1.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0
SC02-134RR	1.3	1.7	2.2	1.3	1.7	2.0	1.0	2.0	1.7
SC02-163RR	2.3	2.2	2.3	2.7	1.7	2.7	1.0	1.3	2.2

Data not included in mean

TABLE 85 ~ SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2006

STRAIN/ VARIETY	SOUTH						MEAN
	ATHENS GA(A)	FAIRHOPE AL	PLAINS GA	TALLASSEE AL(A)	TALLASSEE AL(B)	TIFTON GA	
PRICHARD RR	1.7	1.5	1.8	1.0	1.0	1.5	1.5
COOK	1.8	3.0	2.0	1.0	1.0	1.8	1.9
Au02-2814	1.5	2.5	1.8	1.0	1.0	2.0	1.8
Au02-3223	1.7	3.0	2.0	1.0	1.0	1.7	1.9
G00-3364	1.5	2.0	1.8	1.0	1.0	1.7	1.6
G03-680 RR	1.8	1.5	2.0	1.0	1.0	1.7	1.6
G03-825 RR	1.8	2.0	2.0	1.0	1.0	1.5	1.7
G03-889 RR	1.5	2.0	1.8	1.0	1.0	2.2	1.7
G03-899 RR	2.2	2.5	2.2	1.0	1.0	1.7	1.9
G03-952 RR	2.5	2.0	2.5	1.0	1.0	1.8	2.0
G04-G2261RR	1.5	2.5	1.8	1.0	1.0	1.5	1.7
N97-9612	1.8	2.0	2.0	1.0	1.0	1.8	1.7
N00-377	1.7	1.5	2.0	1.0	1.0	1.8	1.6
NTC02AXB-717	1.7	1.0	1.8	1.0	1.0	1.5	1.4
SC01-803RR	1.7	1.5	1.8	1.0	1.0	2.2	1.6
SC01-809RR	1.8	1.5	1.8	1.0	1.0	2.2	1.7
SC02-134RR	1.7	1.5	2.0	1.0	1.0	1.5	1.5
SC02-163RR	1.8	1.5	2.0	1.0	1.0	1.5	1.6

Data not included in mean

PRELIMINARY GROUP VIII

2006

Preliminary Group VIII nurseries were planted at 6 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, 2006

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. PRICHARD RR	(Coker Co82-622 x Howard) x RR	
2. COOK	Braxton x Bragg	
3. Au03-2801	Au94- 507 x G94-1572	
4. Au03-3730	SC92-2482 x Au94-507	
5. Au03-3914	SC93-2082 x Au94-493	
6. G03-1433 RR	G94-3117 X H7242 RR	F5d
7. G03-2014 RR	G94-3117 X Boggs RR	F5d
8. G03-2320 RR	G94-3117 X Boggs RR	F5d
9. G03-2388 RR	G94-3117 X Boggs RR	F5d
10. G03-2461 RR	G94-3117 X Boggs RR	F5d
11. G03-2473 RR	G94-3117 X Boggs RR	F5d
12. G03-2486 RR	G94-3117 X Boggs RR	F5d
13. N01-11424	NTCPR94-5157 X N96-6767	F4
14. N04-8801	N98-7893 x N96-6717	F4
15. N04-8803	N98-7893 x N96-6717	F4
16. N04-8826	N98-7893 x NTCPR93-646	F4
17. N04-8830	N98-7893 x NTC93PR-646	F4
18. N04-8832	N98-7893 x NTC93PR-646	F4
19. N04-8866	NTCPR96-1215 x N96-6717	F4
20. N04-8891	N95-7391 x N96-6717	F4
21. SC03-060RR	N95-614/(SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIK	F5
22. SC03-061RR	N95-614/(SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIK	F5
23. SC03-062RR	N95-614/(SANTEE/{SC92-2482(2)}/[HAGOOD(2)/BC1RESNIK	F5
24. SC03-140RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
25. SC03-168RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
26. SC03-173RR	G93-2225/(HAGOOD/{MAXCY/[BENNING/(HAGOOD/BC1RESNIK	F5
27. SC03-9259RR	MUSEN/{MUSEN/[SC92-2482/(BENNING/{HAGOOD/BC1RESNIK	F5

TABLE 88 ~ SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	45.1	47.8	42.5	33.8	45.6	51.3	44.3
COOK	54.8+	49.5	43.2	.	56.8+	41.9	49.2
Au03-2801	50.8	56.4	47.6	34.0	52.3	58.5	49.9+
Au03-3730	46.4	49.6	41.9	38.4	55.1+	47.5	46.5
Au03-3914	49.8	52.5	46.0	34.4	46.6	47.5	46.1
G03-1433 RR	42.7	43.6	40.0	36.3	52.3	42.1	42.8
G03-2014 RR	45.8	52.0	46.2	38.2	54.7+	47.8	47.4
G03-2320 RR	40.2	28.0-	41.3	37.3	50.6	47.1	40.7
G03-2388 RR	45.1	47.3	48.2	39.1	53.2+	50.9	47.3
G03-2461 RR	48.6	52.0	42.8	40.7	47.2	51.4	47.1
G03-2473 RR	43.9	48.8	45.7	36.6	50.7	40.0	44.3
G03-2486 RR	46.7	47.6	41.6	37.2	42.4	51.0	44.4
N01-11424	56.1+	57.8	45.1	37.3	53.3+	28.2-	46.3
N04-8801	42.7	55.1	48.5	41.1	48.3	43.0	46.4
N04-8803	41.3	56.8	43.3	35.0	56.5+	40.0	45.5
N04-8826	44.8	46.6	44.0	44.0+	53.4+	39.7	45.4
N04-8830	47.4	47.4	43.6	39.0	56.4+	45.0	46.4
N04-8832	40.6	51.9	40.3	36.4	47.3	40.9	42.9
N04-8866	42.6	50.1	46.1	39.8	56.5+	46.0	46.9
N04-8891	40.7	37.5	45.3	35.9	52.3	35.3-	41.2
SC03-060RR	36.3-	51.0	45.6	39.8	51.5	48.2	45.4
SC03-061RR	37.3	50.6	47.9	39.6	55.1+	54.1	47.4
SC03-062RR	47.2	55.8	42.7	44.9+	52.3	49.2	48.7
SC03-140RR	43.9	48.7	38.5	36.6	55.3+	46.8	45.0
SC03-168RR	43.7	52.6	43.8	35.1	57.5+	50.6	47.2
SC03-173RR	45.2	51.1	50.6	39.5	56.1+	46.2	48.1
SC03-9259RR	36.3-	46.3	42.7	39.6	50.4	48.4	43.9
L.S.D. (0.05)	8.6	11.9	9.7	9.1	7.2	14.1	5.2
C.V. (%)	9.4	11.7	10.6	11.6	6.7	15.0	9.9

TABLE 89 ~ OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	17.2	18.5	19.0	18.3	17.8	18.2
COOK	18.7	19.1	19.1	18.4	18.9	18.8
Au03-2801	18.8	19.6	19.8	19.4	20.2	19.6
Au03-3730	17.8	20.0	20.1	19.3	18.8	19.2
Au03-3914	17.5	18.9	19.0	18.4	18.4	18.4
G03-1433 RR	18.2	18.7	18.2	18.5	18.5	18.4
G03-2014 RR	17.1	19.0	18.4	17.9	17.4	18.0
G03-2320 RR	18.0	18.0	17.6	16.8	16.3	17.3
G03-2388 RR	16.0	18.4	18.2	17.7	18.0	17.7
G03-2461 RR	18.0	19.0	18.9	18.5	18.9	18.7
G03-2473 RR	17.8	18.9	18.8	18.6	18.6	18.5
G03-2486 RR	17.7	19.3	19.2	18.7	19.2	18.8
N01-11424	17.0	17.8	17.9	17.2	16.6	17.3
N04-8801	16.8	18.9	17.9	17.5	18.0	17.8
N04-8803	18.2	20.2	19.6	19.4	19.8	19.4
N04-8826	16.2	18.4	18.6	18.3	18.2	17.9
N04-8830	19.0	19.7	19.2	19.5	19.6	19.4
N04-8832	18.2	19.1	19.0	18.8	18.1	18.6
N04-8866	18.6	18.8	19.2	19.4	19.6	19.1
N04-8891	17.6	18.7	18.2	18.0	18.3	18.2
SC03-060RR	19.4	20.5	20.1	20.5	19.2	19.9
SC03-061RR	18.4	20.1	19.4	20.1	20.2	19.6
SC03-062RR	19.1	21.2	19.4	20.0	19.9	19.9
SC03-140RR	18.0	19.3	18.1	18.5	18.3	18.4
SC03-168RR	18.4	19.7	18.3	19.0	18.1	18.7
SC03-173RR	19.1	20.8	20.7	19.8	20.3	20.1
SC03-9259RR	19.5	19.3	19.9	19.8	19.2	19.5

TABLE 90 ~ PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	42.4	43.2	41.6	45.7	44.6	43.5
COOK	41.2	42.4	40.5	43.0	42.7	42.0
Au03-2801	37.0	39.5	37.1	40.2	39.1	38.6
Au03-3730	40.9	40.9	38.0	42.4	42.3	40.9
Au03-3914	40.4	42.4	39.6	43.7	42.6	41.7
G03-1433 RR	38.9	42.0	41.4	43.7	43.6	41.9
G03-2014 RR	43.2	42.7	42.3	46.1	44.4	43.7
G03-2320 RR	39.8	43.9	42.6	45.6	45.7	43.5
G03-2388 RR	43.4	43.6	41.9	45.5	44.1	43.7
G03-2461 RR	41.8	42.6	41.6	45.9	44.4	43.3
G03-2473 RR	40.9	43.1	41.1	45.6	43.3	42.8
G03-2486 RR	41.4	41.7	40.7	43.6	42.4	42.0
N01-11424	41.2	42.6	41.1	43.8	43.9	42.5
N04-8801	38.3	39.5	40.0	42.0	40.6	40.1
N04-8803	40.0	39.6	39.8	41.2	40.1	40.1
N04-8826	40.1	40.6	40.9	42.4	41.7	41.1
N04-8830	39.0	41.2	40.6	41.0	42.5	40.9
N04-8832	38.8	40.6	40.3	41.4	42.7	40.8
N04-8866	41.3	42.0	41.8	44.4	43.5	42.6
N04-8891	41.1	41.2	41.9	43.7	42.2	42.0
SC03-060RR	37.7	40.2	38.4	40.2	41.6	39.6
SC03-061RR	39.3	39.7	39.2	40.0	41.5	39.9
SC03-062RR	38.5	38.4	39.6	39.9	39.4	39.2
SC03-140RR	42.4	43.6	43.3	46.0	45.1	44.1
SC03-168RR	39.4	41.5	41.2	42.8	43.9	41.8
SC03-173RR	40.4	41.6	39.1	42.3	42.0	41.1
SC03-9259RR	38.1	41.5	40.2	42.4	42.1	40.9

TABLE 91 ~ SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	13.3	14.0	11.8	15.0	13.4	13.8	13.6
COOK	16.6	17.1	13.6	17.8	16.7	16.1	16.3
Au03-2801	15.2	16.1	14.4	17.0	15.6	16.3	15.8
Au03-3730	17.8	18.2	16.9	19.7	17.8	18.2	18.1
Au03-3914	16.7	15.1	15.4	16.0	16.8	17.6	16.3
G03-1433 RR	15.1	14.5	13.4	18.5	14.5	16.6	15.4
G03-2014 RR	13.2	14.4	12.3	14.6	12.5	13.4	13.4
G03-2320 RR	14.9	13.3	13.6	15.9	13.8	15.4	14.5
G03-2388 RR	16.3	14.8	14.9	17.3	16.1	17.5	16.1
G03-2461 RR	14.5	14.3	13.6	16.8	16.0	15.7	15.1
G03-2473 RR	14.8	14.9	13.3	15.9	13.1	15.3	14.5
G03-2486 RR	14.7	13.3	13.0	16.1	14.7	13.9	14.3
N01-11424	16.2	16.8	14.6	17.0	17.2	16.2	16.3
N04-8801	19.0	18.8	18.2	20.7	18.1	8.5	17.2
N04-8803	23.0	20.9	19.4	22.9	19.8	21.7	21.3
N04-8826	20.1	21.1	19.5	21.8	18.2	19.5	20.0
N04-8830	17.1	19.1	17.3	20.7	18.7	18.3	18.5
N04-8832	18.3	20.6	18.5	22.0	17.6	19.0	19.3
N04-8866	24.0	23.6	21.6	27.0	22.5	23.0	23.6
N04-8891	23.8	25.2	22.4	26.2	23.0	24.0	24.1
SC03-060RR	13.3	14.7	14.5	16.5	14.7	16.2	15.0
SC03-061RR	14.0	15.1	13.8	16.2	15.3	16.7	15.2
SC03-062RR	13.5	15.3	12.6	15.6	14.4	15.9	14.5
SC03-140RR	14.8	14.9	12.6	17.8	14.8	15.5	15.1
SC03-168RR	14.8	16.4	14.9	17.6	17.1	17.3	16.3
SC03-173RR	13.9	13.7	12.3	15.5	14.7	14.3	14.1
SC03-9259RR	12.0	14.0	12.6	15.3	13.9	14.6	13.7

TABLE 92 ~ PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	KINSTON NC	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	44	49	37	37	43	39	41
COOK	42	43	29	30	37	34	36
Au03-2801	37	41	28	29	43	36	35
Au03-3730	39	43	32	35	44	38	38
Au03-3914	44	46	35	35	42	43	41
G03-1433 RR	41	44	32	33	42	38	38
G03-2014 RR	44	47	37	38	43	40	41
G03-2320 RR	42	50	40	38	47	40	43
G03-2388 RR	43	48	29	36	45	44	41
G03-2461 RR	42	45	28	36	42	42	39
G03-2473 RR	46	47	39	36	42	38	41
G03-2486 RR	45	46	38	40	42	39	42
N01-11424	34	43	26	28	39	34	34
N04-8801	41	42	33	37	43	38	39
N04-8803	39	47	28	34	40	35	37
N04-8826	39	44	29	32	42	34	37
N04-8830	35	38	28	29	36	33	33
N04-8832	33	39	29	28	41	32	34
N04-8866	39	40	28	34	41	32	35
N04-8891	42	51	35	37	46	39	41
SC03-060RR	44	46	29	34	45	37	39
SC03-061RR	40	44	26	34	44	38	37
SC03-062RR	34	45	32	32	40	34	36
SC03-140RR	40	45	29	35	41	39	38
SC03-168RR	47	52	41	37	47	39	44
SC03-173RR	41	45	32	31	44	38	38
SC03-9259RR	44	46	32	37	45	40	41

TABLE 93 ~ LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2006

STRAIN/ VARIETY	ATHENS GA(A)	BLACKVILLE SC(A)	FLORENCE SC	KINSTON NC	PLAINS GA	MEAN
PRICHARD RR	2.5	2.8	1.5	3.3	3.5	2.7
COOK	2.5	3.0	2.0	3.0	3.0	2.7
Au03-2801	2.0	2.5	1.0	3.0	2.0	2.1
Au03-3730	2.0	3.0	1.5	2.8	2.5	2.4
Au03-3914	2.0	2.3	2.0	2.5	3.0	2.4
G03-1433 RR	2.0	2.3	2.0	3.0	2.0	2.3
G03-2014 RR	2.5	2.5	2.0	2.8	3.0	2.6
G03-2320 RR	2.5	3.3	2.0	3.0	2.0	2.6
G03-2388 RR	2.5	2.5	1.5	2.8	3.0	2.5
G03-2461 RR	2.5	1.8	1.5	2.5	3.5	2.4
G03-2473 RR	2.5	2.8	2.0	3.5	3.0	2.8
G03-2486 RR	3.0	3.0	2.0	3.0	3.5	2.9
N01-11424	2.0	3.0	1.5	2.5	2.0	2.2
N04-8801	2.5	2.3	1.5	3.5	3.5	2.7
N04-8803	2.5	2.5	1.0	2.3	3.0	2.3
N04-8826	2.5	2.3	2.0	2.3	3.0	2.4
N04-8830	1.5	1.8	2.0	2.3	2.0	1.9
N04-8832	2.0	2.5	1.5	2.3	3.5	2.4
N04-8866	2.0	2.3	1.5	2.5	2.0	2.1
N04-8891	2.0	1.8	2.0	2.8	2.5	2.2
SC03-060RR	1.5	2.3	1.0	2.8	2.5	2.0
SC03-061RR	2.0	2.5	1.5	2.5	3.0	2.3
SC03-062RR	2.0	2.8	2.0	2.5	3.0	2.5
SC03-140RR	2.0	1.8	1.5	2.5	2.0	2.0
SC03-168RR	2.5	3.3	2.0	3.5	4.0	3.1
SC03-173RR	2.0	2.0	2.0	3.8	2.0	2.4
SC03-9259RR	2.0	3.0	1.5	3.0	2.0	2.3

**TABLE 94 ~ SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII,
2006**

STRAIN/ VARIETY	ATHENS GA(A)	PLAINS GA	TALLASSEE AL(A)	MEAN
PRICHARD RR	2.0	1.5	1.0	1.5
COOK	2.0	1.5	1.0	1.5
Au03-2801	1.5	1.5	1.0	1.3
Au03-3730	2.0	1.8	1.0	1.6
Au03-3914	2.0	1.5	1.0	1.5
G03-1433 RR	2.0	1.8	1.0	1.6
G03-2014 RR	2.3	1.5	1.0	1.6
G03-2320 RR	1.8	1.8	1.0	1.5
G03-2388 RR	2.0	2.0	1.0	1.7
G03-2461 RR	1.8	1.8	1.0	1.5
G03-2473 RR	1.8	1.5	1.0	1.4
G03-2486 RR	2.0	1.5	1.0	1.5
N01-11424	1.8	2.0	1.0	1.6
N04-8801	2.0	2.0	1.0	1.7
N04-8803	2.0	1.5	1.0	1.5
N04-8826	2.5	1.8	1.0	1.8
N04-8830	2.5	1.8	1.0	1.8
N04-8832	2.3	2.3	1.0	1.8
N04-8866	2.5	2.3	1.0	1.9
N04-8891	2.3	2.3	1.0	1.8
SC03-060RR	2.0	1.5	1.0	1.5
SC03-061RR	2.3	1.8	1.0	1.7
SC03-062RR	2.0	1.8	1.0	1.6
SC03-140RR	1.8	1.5	1.0	1.4
SC03-168RR	2.0	1.8	1.0	1.6
SC03-173RR	2.3	1.5	1.0	1.6
SC03-9259RR	2.3	1.3	1.0	1.5