

UNIFORM SOYBEAN TESTS
SOUTHERN STATES
1995

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
COOPERATING WITH
STATE AGRICULTURAL EXPERIMENT STATIONS
SOUTHERN STATES
STONEVILLE, MISSISSIPPI

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.

UNIFORM SOYBEAN TESTS

SOUTHERN STATES

1995

COORDINATED BY:

Jeffrey M. Tyler

DATA COMPILED BY:

Patricia P. Bell

USDA-ARS
Soybean Production Research Unit
P.O. Box 196
Stoneville, Mississippi 38776

DATA SUPPLIED BY:

E. Cardin, AU, Fairhope, AL	J.L. Rabb, LSU, Bossier City, LA
D. Weaver, AU, Auburn, AL	W.J. Kenworthy, UM, College Park, MD
I. Eldridge, UA, Keiser, AR	J. E. Askew, MSU, Starkville, MS
C.H. Sneller, UA, Fayetteville, AR	G.L. Sciumbato, MSU, Stoneville, MS
D. Widick, ASU, Jonesboro, AR	J. M. Tyler, USDA-ARS, Stoneville, MS
R. Uniatowski, UD, Newark, DE	S.C. Anand, MU, Portageville, MO
R.D. Barnett, UF, Quincy, FL	J.W. Burton, USDA-ARS, Raleigh, NC
K. Hinson, UF, Gainesville, FL	T.E. Carter, USDA-ARS, Raleigh, NC
H.A. Peacock, UF, Jay, FL	L.H. Edwards, OSU, Stillwater, OK
H.R. Boerma, UG, Athens, GA	R. Shipe, CU, Clemson, SC
P.L. Raymer, UG, Experiment, GA	F.L. Allen, UT, Knoxville, TN
P. Gibson, SIU, Carbondale, IL	H. Henderson, UT, Martin, TN
W. Rayford, USDA-ARS, Peoria, IL	G.G. Percell, UT, Jackson, TN
M. Schmidt, SIU, Carbondale, IL	L.D. Young, USDA-ARS, Jackson, TN
D. Thomas, USDA-ARS, Peoria, IL	G. Bowers, TAM, Beaumont, TX
W.T. Schapaugh, Jr., KSU, Manhattan, KS	G. Buss, VPISU, Blacksburg, VA
T. Pfeiffer, UK, Lexington, KY	E.G. Sagaral, VPISU, Warsaw, VA
C.R. Tutt, UK, Princeton, KY	D.E. Starner, VPISU, Orange, VA
B.G. Harville, LSU, Baton Rouge, LA	T. Mebratu, Petersburg, VA

ACKNOWLEDGEMENTS

The cooperation of Warren E. Rayford and Donna I. Thomas, National Center for Agricultural Utilization Research, USDA-ARS, Peoria, Illinois, in their Analyses of Uniform Test samples for protein and oil content of the seeds is gratefully acknowledged. Also, the cooperation of Debbie Boykin, USDA-ARS, Stoneville, Mississippi, in the statistical analyses of the yield data from the Uniform Test Program is sincerely appreciated. The assistance of Gary Shelton in packeting and distributing the seed for the Uniform Tests is recognized.

TABLE OF CONTENTS

INTRODUCTION	2
UNIFORM TEST PARTICIPANTS	3
STRAIN DESIGNATION	5
LOCATION OF SOYBEAN NURSERIES ALONG WITH SOIL TYPE	6
ROW SPACING OF UNIFORM TEST LOCATIONS	7
METHODS	8
Cultural Practices	8
Maturity, Harvest, and Yield	8
Pest Assessment	9
Statistical Analyses	11
MATURITY GROUP IV-S	12
UNIFORM	12
PRELIMINARY	28
MATURITY GROUP V	38
UNIFORM	38
PRELIMINARY	54
MATURITY GROUP VI	73
UNIFORM	73
PRELIMINARY	90
MATURITY GROUP VII	109
UNIFORM	109
PRELIMINARY	126
MATURITY GROUP VIII	136
UNIFORM	136
PRELIMINARY	150

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 southern 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.

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 public 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 major check varieties are: Manokin, Delsoy 4710, Hutcheson, Bedford, Brim, TN6-90, Dillon, Stonewall, Haskell, Braxton, Cook, and Maxcy.

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 Southwest, comprising Arkansas and Louisiana (outside the Delta), and Oklahoma and Texas. In the Southwest area, the potential soybean-growing areas would include the alluvial soils, and the Gulf Coast of Louisiana and Texas. In this area, several of the tests receive supplemental irrigation.

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 with the states. Different methods are used for extraction and reporting by the various laboratories.

UNIFORM TEST PARTICIPANTS - 1995

Dr. Fred Allen
 Dept. of Plant & Soil Science
 University of Tennessee
 P. O. Box 1071
 Knoxville, TN 37901-1071
 (423) 974-7221
 (423) 974-7997 Fax

Dr. Sam Anand
 Delta Center
 University of Missouri
 P. O. Box 160
 Portageville, MO 63873
 (314) 379-5431
 (314) 379-5875 Fax

Dr. H. Roger Boerma
 Dept. of Agronomy
 University of Georgia
 3111 Plant Sciences Bldg.
 Athens, GA 30602
 (706) 542-0927
 (706) 542-0914 Fax

Dr. Glenn R. Bowers
 Texas A&M University
 Agriculture Research &
 Extension Center
 Rt. 7, Box 999 (Imes Road)
 Beaumont, TX 77713-8530
 (409) 752-2741
 (409) 752-5560 Fax

Dr. Joe W. Burton
 USDA/ARS Plant Science Research
 N. C. State University
 P. O. Box 7631
 Raleigh, NC 27695-7631
 (919) 515-2734
 (919) 856-4598 Fax

Dr. Glenn R. Buss
 Dept. of Crop & Soil
 Environmental Sciences
 VPI & State University
 Blacksburg, VA 24061-0404
 (540) 231-9788
 (540) 231-3431 Fax

Dr. Tommy Carter
 USDA/ARS Plant Science Research
 N. C. State University
 P. O. Box 7631
 Raleigh, NC 27695-7631
 (919) 515-2734
 (919) 856-4598 Fax

Dr. Lewis H. Edwards
 Oklahoma State University
 Dept. of Agronomy
 368 Ag Hall
 Stillwater, OK 74078-0507
 (405) 624-7117
 (405) 372-8519 Fax

Dr. Paul Gibson
 Dept. of Plant & Soil Science
 Mailcode 4415
 Southern Illinois University
 Carbondale, IL 62901-4415
 (618) 453-2496
 (618) 453-1778 Fax

Dr. E. E. Hartwig
 USDA-ARS
 Soybean Production Research Unit
 P.O. Box 196
 Stoneville, MS 38776
 (Deceased)

Dr. B. G. Harville
 Dept. of Agronomy
 Louisiana Agriculture Experiment
 Station
 Baton Rouge, LA 70803
 (504) 388-1216
 (504) 388-1403 Fax

Dr. Kuell Hinson
 Agronomy Dept. University of Florida
 P. O. Box 110790
 Gainesville, FL 32611-0790
 (904) 392-1816
 (904) 374-5852 Fax

Dr. Bill J. Kenworthy
 College of Agriculture
 Dept. of Agronomy
 University of Maryland
 College Park, MD 20742
 (301) 405-1324
 (301) 314-9041 Fax

Dr. Todd W. Pfeiffer
 Dept. of Agronomy
 N-122 Agri. Science Bldg. - North
 University of Kentucky
 Lexington, KY 40546-0091
 (606) 257-4678
 (606) 258-1952 Fax

Warren E. Rayford
 National Center for Agricultural
 Utilization Research, USDA-ARS
 1815 N. University Street
 Peoria, IL 61604-3999
 (309) 681-6423
 (309) 681-6686 Fax

Dr. Bill T. Schapaugh, Jr.
 Dept. of Agronomy
 Throckmorton Hall
 Kansas State University
 Manhattan, KS 66506-5501
 (913) 532-7242
 (913) 532-6094 Fax

Dr. Michael Schmidt
 Dept. of Plant & Soil Science
 Mailcode 4415
 Southern Illinois University
 Carbondale, IL 62901-4415
 (618) 453-2496
 (618) 453-1778 Fax

Dr. Gabriel L. Sciumbato
 Delta Research and Extension Center
 Mississippi State University
 P.O. Box 197
 Stoneville, MS 38776
 (601) 686-9311
 (601) 686-7336 Fax

Dr. Emerson R. Shipe
 Agronomy & Soils/Clemson University
 275 Poole Agricultural Center
 Box 340359
 Clemson, SC 29634-0359
 (864) 656-3524
 (864) 656-3443 Fax

Dr. Clay H. Sneller
 Dept. of Agronomy
 University of Arkansas
 115 Plant Science Bldg.
 Fayetteville, AR 72701
 (501) 575-2354
 (501) 575-7465 Fax

Ms. Donna I. Thomas (ACS UNIT)
 National Center for Agricultural
 Utilization Research, USDA-ARS
 1815 N. University Street
 Peoria, IL 61604-3999
 (309) 681-6316
 (309) 681-6686 Fax

Dr. Jeffrey M. Tyler
 USDA-ARS
 P. O. Box 196
 Stoneville, MS 38776
 (601) 686-3127
 (601) 686-3140 Fax

Dr. David B. Weaver
 Dept. of Agronomy & Soils
 Auburn University
 202 Funchess Hall
 Auburn, AL 36849
 (205) 844-3982
 (205) 844-3945 Fax

Dr. J. Darell Widick
 Arkansas State University
 Agriculture Research
 P. O. Box 2340
 State University, AR 72467
 (501) 972-2043
 (501) 972-3885 Fax

Dr. Lawrence D. Young
 USDA-ARS
 Nematology Research
 605 Airways Blvd.
 Jackson, TN 38301
 (901) 425-4741
 (901) 425-4760 Fax

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
D	-	Delta Branch Experiment Station and USDA-ARS
DMK	-	Delta Branch Experiment Station and USDA-ARS
F	-	Florida Agricultural Experiment Station and USDA-ARS
G	-	Georgia Agricultural Experiment Station
K	-	Kansas Agricultural Experiment Station
KY	-	Kentucky Agricultural Experiment Station
LS	-	Southern Illinois University, Carbondale
MD	-	Maryland Agricultural Experiment Station and USDA-ARS
N	-	North Carolina Agricultural Experiment Station and USDA-ARS
NTCPR	-	North Carolina Agricultural Experiment Station and USDA-ARS
OK	-	Oklahoma Agricultural Experiment Station
R	-	Arkansas Agricultural Experiment Station
RJ	-	Arkansas State University, Jonesboro
S	-	Missouri Agricultural Experiment Station
SC	-	South Carolina Agricultural Experiment Station, Clemson
TN	-	Tennessee Agricultural Experiment Station
TSB	-	Texas Agricultural Experiment Station, Beaumont, Texas
V	-	Virginia Agricultural Experiment Station
VS	-	Virginia Agricultural Experiment Station

LOCATION OF SOYBEAN NURSERIES ALONG WITH SOIL TYPE

LOCATION	IV	V	VI	VII	VIII	SOIL
East Coast						
Queenstown, MD	UP	UP				Mattapeake silt loam
Georgetown, DE	U	U				Evesboro loamy sand
Warsaw, VA	UP	UP	U			Kempsville loam
Plymouth, NC		UP	UP			Portsmouth silt loam
Whiteville, NC			U	U		Norfolk sandy loam
Jackson Springs, NC				UP	U	Norfolk sandy loam
Florence, SC			U	U	U	Goldsboro sandy loam
Southeast						
Blackville, SC(A)			UP	UP	UP	Faceville sandy loam
Blackville, SC(B)				U	U	Norfolk sandy loam
Tifton, GA			U	U	U	Tifton sandy loam
Tallassee, AL			UP	UP	UP	Cahaba fine s. l.
Quincy, FL			U	U	UP	Orangeburg loamy fine sand
Jay, FL			UP	UP	UP	Red Bay sandy loam
Fairhope, AL			U	U	U	Malbis fine sandy loam
Baton Rouge, LA		U	U	UP	U	Olivier silt loam
Upper & Central South						
Orange, VA	U	U				Starr silty clay loam
Clemson, SC		U	U	U		Cecil sandy loam
Calhoun, GA		U	U	U		Rome gravelly clay loam
Athens, GA		U	UP	UP	U	Cecil coarse sand loam
Plains, GA					UP	Greenville sandy clay loam
Belle Mina, AL		U	U			Decatur silt loam
Knoxville, TN	U	U				Sequatchie silt loam
Ullin, IL	UP	UP				Stoy silt loam
Princeton, KY	UP	U				Crider silt loam
Martin, TN	U	U				Falaja silt loam
Jackson, TN		P				Lexington silt loam
Starkville, MS	U	U	U	U		Leeper silty clay
Suffolk, VA		U	U			Lynchburg fine sandy loam
Delta						
Portageville, MO(A)	UP	UP	UP			Tiptonville s.l.
Portageville, MO(B)	U	U	U			Sharkey clay
Keiser, AR	UP	UP				Sharkey clay
Marianna, AR	U					Loring silt loam
Pine Tree, AR	U	U	U			Calloway silt loam
Stoneville, MS(B)	UP	UP	UP	UP		Sharkey clay
Rohwer, AR			U			Perry clay
West						
Walnut, KS	U	U				Kenoma silt loam
McCune, KS		U				Parsons silt loam
Pittsburg, KS	UP	UP				Parsons silt loam
Chanute, KS	U	U				Parsons silt loam
Bixby, OK	U	UP	UP			Reinach silt loam
Stuttgart, AR		U	UP			Crowley silt loam
Bossier City, LA		U	U	U		Latanier silt loam
Beaumont, TX			UP	UP	UP	Midland silt loam

U Uniform nursery grown

P Preliminary nursery grown

ROW SPACING OF UNIFORM TEST LOCATIONS

LOCATION	ROW SPACING
EAST COAST	
Queenstown, MD	30 inches
Georgetown, DE	20 inches
Warsaw, VA	30 inches
Plymouth, NC	38 inches
Kinston, NC	38 inches
Jackson Springs, NC	38 inches
Florence, SC	38 inches
SOUTHEAST	
Blackville, SC(A)	38 inches
Blackville, SC(B)	38 inches
Tifton, GA	30 inches
Tallassee, AL	30 inches
Quincy, FL	30 inches
Jay, FL	36 inches
Fairhope, AL	30 inches
Baton Rouge, LA	30 inches
UPPER & CENTRAL SOUTH	
Orange, VA	30 inches
Clemson, SC	38 inches
Calhoun, GA	30 inches
Athens, GA	30 inches
Plains, GA	30 inches
Belle Mina, AL	36 inches
Knoxville, TN	30 inches
Ullin, IL	30 inches
Princeton, KY	30 inches
Martin, TN	38 inches
Jackson, TN	30 inches
Starkville, MS	38 inches
Suffolk, VA	20 inches
DELTA	
Portageville, MO(A)	30 inches
Portageville, MO(B)	30 inches
Keiser, AR	38 inches
Marianna, AR	38 inches
Jonesboro, AR	36 inches
Pine Tree, AR	36 inches
Stoneville, MS(B)	24 inches
Rohwer, AR	38 inches
WEST	
McCune, KS	30 inches
Pittsburg, KS	30 inches
Chanute, KS	30 inches
Bixby, OK	30 inches
Stuttgart, AR	32 inches
Bossier City, LA	40 inches
Beaumont, TX	32 inches

METHODS

Cultural Practices

The uniform nurseries were planted in four-row plots with three replications at all locations with the exception of one location which had three-row plots with three replications. The preliminary nurseries were planted similarly with two replications. Row widths at the locations varied from 20 to 40 inches with the majority planted in 30 inch rows. The recommended cultural and management practices were generally followed at each location.

Maturity, Harvest, and Yield

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

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 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: UIVS and PIVS, Manokin; UV and PV, Hutcheson; UVI and PVI, Brim; UVII and PVII, Stonewall; and UVIII and PVIII, Cook.

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 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 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 NIR 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

Root-knot nematode. Screenings of strains of UIVS - 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* - 1:0-8, 2:9-16, 3:17-24; 4:25-32; and 5:33+ ; *M. arenaria* - 1:0-10; 2:11-20; 3:21-30; 4:31-40; and 5:41+ .

Screenings for strains of UIVS-UVIII and PIVS-PVIII were conducted in a greenhouse at the USDA-ARS Nematology Investigations at Jackson, Tennessee.

Seven seed of each genotype was planted in each of three pots filled with sterilized sandy loam soil. Approximately 3,000 eggs of the nematode was added to the potted soil just prior to planting. Plants were evaluated for amount of root galling at six weeks after planting. The ratings for galling were as follows:

- 1 = < 10% of root system with small galls,
- 2 = 10-25% of root system galled with mostly small galls,
- 3 = 26-50% of root system galled with several large galls,
- 4 = 51-90% of root system galled with mostly large galls, and
- 5 = 91-100% of root system galled with large galls and some root rot.

The mean rating reported for each strain was calculated as follows:

$$\text{Mean rating} = \frac{\sum(\text{Rating category} \times \# \text{ plants receiving rating})}{\text{Total \# of plants}}$$

The isolates of *M. incognita* race 4 and *M. arenaria* race 2 were obtained from Dr. Gary Windham, USDA-ARS, Mississippi State, MS. The isolates of the nematodes used were different than those used by Dr. Roger Boerma at the University of Georgia.

Soybean cyst nematode. The SCN race 3 and 14 ratings reported for UIVS - UVIII were based on screenings made at Jackson, Tennessee. For the screening, seed of each strain was planted in sterile soil at a rate of one per pot for a total of seven pots per strain. At the time of planting, 1000 eggs of the race being evaluated were added to each pot. Approximately four weeks after planting, plants were rated based on the number of female cysts on the roots. The ratings were as follows:

- 1 = 0-5 female cysts on the roots,
- 2 = 6-10 female cysts on the roots,
- 3 = 11-20 female cysts on the roots,
- 4 = 21-40 female cysts on the roots,
- 5 = > 40 female cysts on the roots.

The mean rating reported for each strain was calculated the same formula that was used to calculate the root-knot nematode mean ratings.

Stem Canker

Mississippi. Strains from UIVS-UVIII and PIVS-PV were evaluated at the Delta Research and Extension Center, Stoneville, Mississippi. Strains were planted in single-row plots 1.8 m long in a Boskett fine sandy loam in a randomized complete block design with four replications. A susceptible line (J77-339) was planted every ten plots. Inoculum was produced by aseptically culturing isolate 90-46 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.

Strains were assigned a rating based on the mean of four replications using the following scale:

- 1 = resistant (no lesion)
- 2 = moderately resistant (lesion 0-5cm)
- 3 = intermediate reaction (lesion 5-10 cm)
- 4 = moderately susceptible (lesion 10-25 cm)
- 5 = susceptible (lesion > 25 cm)
- 6 = very susceptible (plants dead)

Sudden death syndrome. Soybean sudden death syndrome (SDS) was evaluated for UIVS and UV at Ullin and Ridgeway, Illinois, in three replications of four-row plots 24 foot long. Trials

were planted 23 May 1995. Percent of plants with visible leaf symptoms were scored weekly during pod fill, and interpolated to the R6 developmental stage (full seed stage). Disease incidence is reported.

Velvetbean Caterpillar. Strains from UVI-UVIII were evaluated at Quincy, FL. Lines were scored 1 = no defoliation to 10 = severe defoliation.

Statistical Analyses

Yield data for each test at each location were analyzed by analysis of variance or nearest neighbors analysis (Athens, GA; Plains, GA; and all Kansas locations) to obtain the coefficient of variability (C.V.) and LSD ($P = 0.05$) for that location. Locations with extremely low yields or 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 calculated at the same time and are reported in this publication.

UNIFORM GROUP IV-S**1995**

Uniform Group IV-S nurseries were planted at 19 locations. Data were obtained from all 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, 1995.

STRAIN/ VARIETY	PARENTAGE			GENERATION COMPOSITED
1. MANOKIN	L70-L3048	X	D74-7824	F5
2. DELSOY 4710	L77-443	X	L77-906	F5
3. K1304	K1133	X	FLYER	F5
4. K1305	K1154	X	N84-507	F5
5. K1307	K1133	X	R85-3309	F5
6. LS90-1920	ESSEX	X	FAYETTE	F6
7. MD90-5473	D83-2886	X	S82-1443	F5
8. KY91-1037	ASGROW A4393	X	HUTCHESON	F5
9. KY91-1352	SOUTHERN STATES SS391	X	KY84-1616	F5
10. S91-2469	WILLIAMS	X	PI 437654	F4
11. TN91-07	TN4-86	X	TN83-22	F8
12. TN91-55	TN4-86	X	TN83-67	F8
13. V90-798	HUTCHESON	X	P9441	F4
14. V90-848	HUTCHESON	X	P9441	F4

TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 1995.

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	1995	94-95	93-95	1995	94-95	93-95	1995	94-95	93-95
1. MANOKIN	36.8	42.7	42.3	41.8	41.1	40.8	20.4	20.5	20.7
2. DELSOY 4710	33.4	39.0	38.3	42.0	41.4	41.0	19.9	20.0	20.2
3. K1304	36.9	.	.	43.0	.	.	19.9	.	.
4. K1305	37.4	.	.	41.5	.	.	20.7	.	.
5. K1307	38.8	.	.	40.5	.	.	20.2	.	.
6. LS90-1920	34.1	39.8	.	42.9	42.3	.	20.5	20.7	.
7. MD90-5473	37.8	43.1	.	41.0	40.6	.	20.4	20.5	.
8. KY91-1037	38.9	.	.	42.2	.	.	20.7	.	.
9. KY91-1352	40.0	.	.	42.2	.	.	20.3	.	.
10. S91-2469	34.2	40.1	.	43.4	42.8	.	19.8	20.2	.
11. TN91-07	36.0	.	.	42.6	.	.	20.3	.	.
12. TN91-55	37.9	.	.	42.4	.	.	20.5	.	.
13. V90-798	37.7	.	.	42.4	.	.	20.4	.	.
14. V90-848	34.8	.	.	43.1	.	.	20.7	.	.

BOTANICAL TRAITS

STRAIN/ VARIETY	FL	MAT.			SEED	SEED	PUB.	POD
	COLOR	DATE	L0DGING	HEIGHT	QUALITY	SIZE	COLOR	COLOR
1. MANOKIN	W	0	1.4	26	1.8	10.8	T	T
2. DELSOY 4710	P	-5	1.8	37	2.2	12.5	T	T
3. K1304	P	-3	1.4	29	1.6	8.0	G	T
4. K1305	P	-1	1.3	26	1.5	10.1	G	T
5. K1307	P	0	1.2	26	1.6	9.9	T	T
6. LS90-1920	P	-6	1.4	28	1.8	9.9	T	T
7. MD90-5473	W	-6	1.3	28	1.5	11.9	G	T
8. KY91-1037	W	-5	1.3	35	1.9	12.1	T	T
9. KY91-1352	W	4	1.3	35	1.9	11.7	T	T
10. S91-2469	W	-9	1.6	36	2.5	11.9	T	T
11. TN91-07	P	-3	1.7	42	1.9	11.0	T	T
12. TN91-55	P	-4	1.5	34	1.9	11.0	T	T
13. V90-798	W	-4	1.5	36	1.7	11.0	G	T
14. V90-848	W	-8	1.7	35	2.0	12.3	G	T

† Data from Orange, VA (1995), and Georgetown, DE (1993) not included in mean.

Table 2 - (Continued).

STRAIN/ VARIETY	PEST REACTIONS								
	SDS	STEM		M. a.		M. i.		SCN	
		CANKER	MS	GA	TN	GA	TN	3	14
1. MANOKIN	0	1.0	3.0	1.2	1.0	1.0	1.0	4.3	
2. DELSOY 4710	0	1.0	2.3	4.0	3.8	1.0	1.0	4.7	
3. K1304	95	1.0	3.3	4.0	5.0	2.3	4.7	4.0	
4. K1305	77	5.0	4.5	4.0	4.0	2.2	4.9	3.9	
5. K1307	4	2.6	4.3	4.0	4.8	1.6	1.0	4.3	
6. LS90-1920	0	1.4	3.3	1.2	2.0	1.2	1.0	2.0	
7. MD90-5473	2	3.6	4.8	3.6	3.5	1.9	1.0	3.7	
8. KY91-1037	10	1.9	1.8	4.2	4.3	2.3	5.0	2.0	
9. KY91-1352	17	1.0	3.8	4.0	3.8	1.2	4.9	4.2	
10. S91-2469	8	2.7	4.3	3.8	5.0	2.2	4.9	1.9	
11. TN91-07	0	2.2	1.3	4.8	3.8	1.9	1.0	3.4	
12. TN91-55	0	1.3	4.5	4.0	4.5	2.2	1.0	3.9	
13. V90-798	32	4.0	3.3	4.3	4.8	1.4	5.0	3.3	
14. V90-848	18	2.9	2.8	4.0	4.8	2.0	4.9	5.0	

See Methods section for description of rating scales.

TABLE 3 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

STRAIN/ VARIETY	EAST			MEAN
	GEORGETOWN DE†	QUEENSTOWN MD	WARSAW VA	
MANOKIN	19.3	28.9	48.8	38.9
DELLOY 4710	10.9	25.7	42.9	34.3
K1304	12.1	22.5	51.2	36.8
K1305	15.7	27.8	66.0	46.9
K1307	13.6	31.1	43.7	37.4
LS90-1920	14.0	25.9	47.3	36.6
MD90-5473	15.4	28.9	42.6	35.8
KY91-1037	12.5	33.2	45.8	39.5
KY91-1352	15.6	29.8	63.3	46.5
S91-2469	9.9	24.4	39.7	32.1
TN91-07	15.2	24.9	44.8	34.9
TN91-55	21.0	28.3	43.1	35.7
V90-798	13.3	29.8	47.6	38.7
V90-848	13.5	28.9	50.9	39.9
L.S.D. (0.05)	3.9	5.6	16.7	.
C.V. (%)	16.1	12.1	20.5	.

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH				MEAN		
	KNOX- VILLE TN	MARTIN TN	ORANGE VA†	PRINCETON KY		STARK- VILLE MS	ULLIN IL
MANOKIN	34.5	25.7	42.1	45.3	24.0	47.7	35.4
DELLOY 4710	28.9	19.6	39.5	49.2	23.9	42.4	32.8
K1304	34.5	26.8	28.4	46.4	30.2	40.2	35.6
K1305	34.6	25.5	49.0	47.5	32.5	40.6	36.1
K1307	33.8	30.7	40.9	59.2	29.7	49.2	40.5
LS90-1920	28.4	26.8	39.7	46.9	31.5	41.6	35.1
MD90-5473	40.7	35.2	40.7	54.6	27.3	51.1	41.8
KY91-1037	36.1	33.2	43.2	57.8	37.9	41.3	41.3
KY91-1352	25.6	31.8	42.9	48.8	36.8	44.2	37.4
S91-2469	35.4	28.4	31.7	46.8	20.9	36.9	33.7
TN91-07	38.6	31.0	40.6	46.1	27.4	37.8	36.2
TN91-55	32.0	35.5	36.1	54.0	18.7	41.6	36.4
V90-798	39.7	28.9	48.8	55.4	30.1	44.0	39.6
V90-848	35.5	29.2	41.6	48.4	19.5	40.4	34.6
L.S.D. (0.05)	8.4	6.0	14.1	8.8	7.4	3.7	.
C.V. (%)	14.6	12.3	20.7	10.4	15.7	5.1	.

† Not included in mean.

Table 3 - (Continued).

DELTA							
STRAIN/ VARIETY	KEISER AR	MARI- ANNA AR	PINE TREE AR	PORTAGE- VILLE MO (A)	PORTAGE- VILLE MO (B)	STONE- VILLE MS	MEAN
MANOKIN	52.8	52.5	33.0	39.3	38.6	52.5	44.8
DELISOY 4710	49.3	44.4	30.4	42.4	29.6	46.9	40.5
K1304	56.5	38.4	35.2	41.5	35.2	68.4	45.9
K1305	57.0	43.9	27.3	41.5	36.8	55.2	43.6
K1307	61.6	57.6	35.0	34.8	39.4	54.6	47.2
LS90-1920	51.0	41.5	32.6	38.7	28.9	49.8	40.4
MD90-5473	55.8	47.7	32.0	42.7	32.8	52.2	43.9
KY91-1037	54.2	46.8	31.3	44.5	30.0	69.1	46.0
KY91-1352	57.9	51.6	38.8	45.1	36.7	67.7	49.6
S91-2469	53.7	41.1	29.8	43.0	29.7	66.7	44.0
TN91-07	46.5	46.5	35.4	38.1	34.1	69.8	45.1
TN91-55	58.3	50.9	37.1	41.2	36.6	68.9	48.8
V90-798	51.9	49.5	34.0	44.8	32.7	63.0	46.0
V90-848	45.2	38.5	22.1	41.2	28.6	70.0	40.9
L.S.D. (0.05)	3.9	6.3	4.5	9.1	5.6	14.2	.
C.V. (%)	4.4	8.0	8.2	13.1	9.9	13.9	.

WEST					
VARIETY/ STRAIN	BIXBY OK	CHANUTE KS	PITTSBURG KS	WALNUT KS	MEAN
MANOKIN	26.4	11.8	34.3	29.6	25.5
DELISOY 4710	22.6	14.3	29.0	26.3	23.0
K1304	23.7	17.3	28.2	30.6	25.0
K1305	20.5	19.2	31.3	29.1	25.0
K1307	22.4	12.3	33.5	31.6	24.9
LS90-1920	15.7	13.3	28.8	30.6	22.1
MD90-5473	19.9	18.4	30.2	30.2	24.7
KY91-1037	20.7	18.3	33.7	28.1	25.2
KY91-1352	27.3	17.2	28.9	29.2	25.6
S91-2469	15.2	13.0	27.9	29.4	21.4
TN91-07	25.7	11.4	28.5	24.9	22.6
TN91-55	26.0	11.5	30.9	30.1	24.6
V90-798	19.7	15.3	25.4	29.9	22.6
V90-848	17.6	14.5	29.4	30.8	23.1
L.S.D. (0.05)	4.2	4.7	4.9	1.9	.
C.V. (%)	11.5	18.9	9.9	3.9	.

TABLE 4 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

STRAIN/ VARIETY	CHA-	KEI-	KNOX-	MARI-	MAR-	ORANGE VA	PINE-	PITTS-	PORT-	PORT-	PRINCE-	QUEENS-	STARK-	STONE-	WAL- NUT IL	WAR-	MEAN		
	BIXBY OK	NUTE KS	SER AR	VILLE TN	ANNA AR		TIN TN	TREE AR	BURG KS	AGE- VILLE MO (A)	AGE- VILLE MO (B)	TON KY	TOWN MD	VILLE MS		VILLE MS (B)		SAW VA	
OIL PERCENTAGE																			
MANOKIN	.	.	20.8	21.8	20.6	19.8	21.4	.	20.4	18.5	.	19.9	20.5	19.6	21.1	21.1	.	20.4	20.4
DELLOY 4710	.	.	19.9	20.7	20.3	18.9	21.6	.	20.6	18.8	.	19.6	19.1	19.5	20.3	20.9	.	20.6	19.9
K1304	.	.	20.0	21.5	20.3	18.4	20.5	.	20.2	18.5	.	18.9	19.6	19.4	20.4	20.5	.	20.7	19.9
K1305	.	.	23.7	21.0	20.9	19.1	22.0	.	20.2	19.3	.	20.1	19.7	20.5	21.2	21.5	.	21.2	20.7
K1307	.	.	20.3	20.9	20.7	19.7	21.0	.	20.3	18.8	.	19.3	19.7	20.1	20.6	21.3	.	20.2	20.2
LS90-1920	.	.	20.1	21.6	21.1	19.9	22.5	.	20.7	19.6	.	19.0	19.7	20.5	21.0	21.3	.	21.2	20.5
MD90-5473	.	.	21.0	21.8	20.5	19.7	21.3	.	20.3	19.4	.	19.4	19.5	21.1	21.5	20.8	.	20.1	20.4
KY91-1037	.	.	20.7	21.5	21.4	20.4	21.6	.	19.8	19.8	.	19.6	20.5	20.5	20.3	21.9	.	21.8	20.7
KY91-1352	.	.	19.9	21.3	20.4	18.9	21.4	.	20.6	19.8	.	19.8	20.8	20.8	20.1	20.7	.	21.0	20.3
S91-2469	.	.	20.1	20.8	20.4	19.0	20.8	.	19.3	19.2	.	18.6	19.4	19.9	20.2	20.0	.	20.7	19.8
TN91-07	.	.	20.4	21.7	20.5	19.8	22.4	.	20.2	19.6	.	18.7	19.6	20.2	20.8	20.7	.	21.1	20.3
TN91-55	.	.	21.2	21.8	20.6	19.8	21.5	.	20.7	18.9	.	19.4	20.4	20.1	20.7	21.0	.	21.5	20.5
V90-798	.	.	20.5	21.3	20.3	19.9	21.8	.	20.8	19.4	.	19.7	20.1	20.3	20.7	21.1	.	21.1	20.4
V90-848	.	.	21.0	22.0	20.8	20.3	22.1	.	20.5	19.5	.	19.3	20.3	21.4	21.2	20.9	.	21.3	20.7
PROTEIN																			
MANOKIN	.	.	40.3	41.7	41.2	42.6	38.0	.	37.8	43.3	.	41.8	38.9	50.8	43.4	39.1	.	40.5	41.8
DELLOY 4710	.	.	40.3	42.3	41.9	44.3	38.4	.	40.3	42.4	.	41.2	41.6	46.3	42.8	39.1	.	41.2	42.0
K1304	.	.	41.4	41.6	43.1	45.3	42.0	.	42.2	44.6	.	43.1	42.4	46.0	44.0	41.4	.	41.0	43.0
K1305	.	.	41.3	40.7	41.0	44.4	37.4	.	41.2	42.4	.	40.8	40.3	44.4	41.6	40.1	.	40.2	41.5
K1307	.	.	36.6	39.8	41.3	42.7	38.7	.	39.4	42.2	.	41.4	38.0	45.4	42.0	37.8	.	39.9	40.5
LS90-1920	.	.	41.1	41.7	43.8	43.7	37.9	.	40.8	43.9	.	44.0	42.6	46.2	44.5	41.2	.	41.7	42.9
MD90-5473	.	.	38.7	40.7	42.3	43.2	36.4	.	39.1	42.6	.	41.7	40.5	41.6	43.2	37.6	.	41.2	41.0
KY91-1037	.	.	41.8	40.4	42.3	44.8	40.9	.	40.1	43.0	.	44.0	40.9	44.4	43.3	39.6	.	42.0	42.2
KY91-1352	.	.	41.6	41.7	41.5	44.7	40.2	.	42.7	40.9	.	41.7	40.7	46.7	43.0	40.5	.	40.4	42.2
S91-2469	.	.	42.2	40.6	43.4	45.2	41.3	.	43.5	43.7	.	44.6	43.4	45.6	44.3	42.4	.	42.2	43.4
TN91-07	.	.	41.3	40.8	42.8	44.3	37.5	.	42.3	42.2	.	44.4	41.6	45.0	44.9	40.0	.	41.0	42.6
TN91-55	.	.	41.5	41.0	42.4	43.1	41.7	.	41.8	43.4	.	43.3	40.9	45.5	44.5	41.0	.	40.6	42.4
V90-798	.	.	41.0	41.3	43.1	43.9	39.3	.	41.2	43.2	.	41.7	41.1	46.3	44.7	40.1	.	41.6	42.4
V90-848	.	.	40.8	40.6	43.8	44.5	40.5	.	43.0	44.1	.	44.1	41.5	49.0	43.2	40.9	.	41.7	43.1

TABLE 4 - (Continued).

STRAIN/ VARIETY	CHA-	KEI-	KNOX-	MARI-	MAR-			PINE-	PITTS-	PORT-	PORT-	PRINCE-	QUEENS-	STARK-	STONE-			WAR-	WAR-	MEAN
	BIXBY OK	NUTE KS	SER AR	VILLE TN	ANNA AR	TIN TN	ORANGE VA	TREE AR	BURG KS	VILLE MO (A)	VILLE MO (B)	TON KY	TOWN MD	VILLE MS	VILLE MS (B)	ULLIN IL	NUT KY	SAW VA		
	GRAMS PER 100 SEED																			
MANOKIN	12.9	11.0	12.2	11.9	12.7	13	14.0	11.7	12.1	9.2	10.6	10.4	11.7	11.1	11.2	11.0	10.5	11.9	11.5	
DELROY 4710	15.6	13.9	13.3	14.9	12.7	14	17.1	15.4	14.9	12.4	11.5	12.8	11.1	5.9	14.4	13.4	14.1	14.8	13.2	
K1304	8.9	9.8	9.5	8.1	9.7	9	11.2	9.5	9.5	6.8	7.9	7.1	6.4	6.2	9.7	8.5	8.5	8.9	8.4	
K1305	11.9	11.6	11.0	10.4	12.0	10	13.7	11.3	11.5	9.5	10.1	10.4	8.7	8.9	12.1	10.3	9.7	12.1	10.6	
K1307	11.4	12.0	10.3	10.5	12.0	10	12.2	10.5	11.8	8.8	9.5	11.1	9.6	8.2	10.4	10.1	9.9	10.7	10.3	
LS90-1920	10.6	11.2	10.8	10.2	11.3	11	14.0	11.4	11.5	9.3	8.9	9.6	8.8	8.6	13.3	9.5	10.4	12.6	10.5	
MD90-5473	12.0	11.8	13.7	13.8	13.3	14	15.7	12.8	12.2	11.9	10.7	12.9	11.4	9.7	15.0	12.7	12.3	14.7	12.7	
KY91-1037	13.6	15.0	13.4	12.6	14.0	16	16.6	14.3	12.0	11.9	10.4	11.4	12.3	8.8	16.3	12.4	12.1	14.1	12.8	
KY91-1352	14.2	12.8	12.2	12.5	12.3	13	15.9	12.6	12.4	11.5	11.9	11.7	13.5	9.7	11.8	13.0	12.2	13.6	12.4	
S91-2469	13.0	14.1	14.2	12.6	13.7	12	16.1	13.2	12.8	11.5	11.2	11.1	11.1	9.0	14.5	11.4	12.6	14.6	12.4	
TN91-07	14.4	12.1	10.7	12.5	12.0	12	14.3	12.4	12.3	10.5	11.4	10.1	10.7	8.4	13.0	11.4	12.0	12.0	11.6	
TN91-55	13.4	12.2	11.9	12.0	12.0	13	14.3	12.1	12.3	10.0	10.2	10.9	10.9	9.0	12.9	11.9	11.9	12.4	11.7	
V90-798	11.8	12.9	12.2	12.1	12.0	13	14.2	13.0	12.4	10.4	10.0	11.5	10.8	9.0	12.3	11.8	11.9	12.3	11.7	
V90-848	12.9	14.4	14.6	14.3	13.7	13	16.3	15.1	13.6	12.6	11.2	11.4	11.8	6.6	15.8	13.0	13.1	14.4	12.9	

TABLE 5 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN MANOKIN FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

EAST COAST				
STRAIN/ VARIETY	QUEENSTOWN		WARSAW	MEAN
	MD	VA	VA	
MANOKIN	10/14		10/09	10/11
DELISOY 4710	-11		-5	-8
K1304	-3		-4	-3
K1305	-4		-1	-2
K1307	0		-2	0
LS90-1920	-12		-8	-10
MD90-5473	-8		-4	-6
KY91-1037	-7		-4	-5
KY91-1352	4		7	6
S91-2469	-12		-8	-9
TN91-07	-5		-5	-4
TN91-55	-6		-4	-4
V90-798	-8		-5	-6
V90-848	-10		-7	-8

UPPER AND CENTRAL SOUTH							
STRAIN/ VARIETY	KNOXVILLE	MARTIN	ORANGE	PRINCE-	STARK-	ULLIN	MEAN
	TN	TN	VA	TON KY	VILLE MS	IL	
MANOKIN	09/23	10/06	10/09	10/06	09/16	10/07	09/29
DELISOY 4710	1	0	-8	-8	-12	-3	-4
K1304	-5	0	2	-8	-8	-3	-4
K1305	-2	0	-3	-2	-9	-1	-2
K1307	-1	0	-1	-1	-2	-1	-1
LS90-1920	-7	0	-6	-8	-14	-6	-6
MD90-5473	-3	0	-3	-7	-14	-5	-5
KY91-1037	-1	0	-7	-11	-10	-3	-4
KY91-1352	5	0	2	3	1	4	3
S91-2469	-10	0	-6	-10	-22	-5	-9
TN91-07	-2	0	-4	-3	-11	-1	-3
TN91-55	-8	0	-5	-5	-15	0	-5
V90-798	-5	0	-3	-4	-12	-2	-4
V90-848	-8	4	-7	-12	-9	-8	-6

TABLE 5 - (Continued).

DELTA							
STRAIN/ VARIETY	KEISER AR	MARIANNA AR	PINE- TREE AR	PORTAGE- VILLE MO (A)	PORTAGE- VILLE MO (B)	STONE- VILLE MS (B)	MEAN 09/28
MANOKIN	10/03	09/29	10/05	09/29	10/03	09/11	09/28
DELISOY 4710	-7	-8	0	-4	1	-7	-4
K1304	-5	-7	0	-3	0	-3	-3
K1305	-2	-5	0	2	4	5	1
K1307	0	-1	-2	0	3	2	1
LS90-1920	-7	-9	-1	-5	-7	-2	-5
MD90-5473	-6	-10	-9	-4	0	-8	-6
KY91-1037	-6	-9	0	-4	-6	1	-4
KY91-1352	4	4	-1	13	11	8	7
S91-2469	-7	-13	-6	-5	-13	-9	-8
TN91-07	-6	-8	0	-1	3	-3	-2
TN91-55	-6	-7	0	-2	0	-5	-3
V90-798	-5	-8	0	0	1	-1	-2
V90-848	-12	-12	-13	-5	-9	-9	-10

WEST	
STRAIN/ VARIETY	BIXBY OK
MANOKIN	10/27
DELISOY 4710	-2
K1304	0
K1305	0
K1307	0
LS90-1920	-3
MD90-5473	-3
KY91-1037	-4
KY91-1352	0
S91-2469	-2
TN91-07	0
TN91-55	0
V90-798	0
V90-848	0

TABLE 6 - PLANT HEIGHT FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

EAST COAST			
STRAIN/ VARIETY	QUEENSTOWN	WARSAW	MEAN
	MD	VA	
MANOKIN	22	26	24
DELLOY 4710	31	40	36
K1304	26	33	29
K1305	23	28	26
K1307	27	23	25
LS90-1920	30	26	28
MD90-5473	29	25	27
KY91-1037	38	35	37
KY91-1352	31	37	34
S91-2469	34	38	36
TN91-07	45	43	44
TN91-55	36	38	37
V90-798	34	37	35
V90-848	34	37	36

UPPER AND CENTRAL SOUTH							
STRAIN/ VARIETY	KNOXVILLE	MARTIN	ORANGE	PRINCE-	STARK-	ULLIN	MEAN
	TN	TN	VA	TON	VILLE	IL	
MANOKIN	32	34	36	23	17	34	28
DELLOY 4710	31	48	43	44	26	52	40
K1304	30	34	36	31	20	38	31
K1305	29	32	38	24	21	32	28
K1307	32	29	38	29	20	35	29
LS90-1920	32	38	39	32	22	37	32
MD90-5473	29	37	40	30	22	38	31
KY91-1037	32	48	38	44	30	45	40
KY91-1352	26	44	34	46	28	41	37
S91-2469	30	48	40	41	27	47	38
TN91-07	37	55	55	45	30	53	44
TN91-55	31	45	39	40	24	41	36
V90-798	38	42	42	43	27	47	39
V90-848	35	44	40	44	27	46	39

TABLE 6 - (Continued).

DELTA							
STRAIN/ VARIETY	KEISER AR	MARIANNA AR	PINE TREE AR	PORTAGE- VILLE MO (A)	PORTAGE- VILLE MO (B)	STONE- VILLE MS (B)	MEAN
MANOKIN	28	34	28	24	25	14	26
DELSOY 4710	47	48	39	42	42	22	40
K1304	35	32	27	33	31	19	30
K1305	28	30	26	24	31	15	26
K1307	27	32	27	21	27	15	25
LS90-1920	32	30	31	22	23	14	25
MD90-5473	33	30	32	20	31	14	27
KY91-1037	44	44	30	35	33	27	35
KY91-1352	46	47	35	40	35	31	39
S91-2469	42	42	37	37	36	24	37
TN91-07	46	50	45	41	45	31	43
TN91-55	37	42	34	34	34	23	34
V90-798	41	48	34	38	35	34	38
V90-848	42	46	31	34	35	33	37

WEST					
STRAIN/ VARIETY	BIXBY OK	CHANUTE KS	PITTSBURG KS	WALNUT KS	MEAN
MANOKIN	23	18	29	28	25
DELSOY 4710	30	25	36	34	31
K1304	24	23	31	30	27
K1305	22	19	28	26	24
K1307	20	22	29	25	24
LS90-1920	22	19	31	28	25
MD90-5473	24	22	31	31	27
KY91-1037	27	23	26	33	27
KY91-1352	29	23	31	30	28
S91-2469	28	25	34	34	30
TN91-07	34	27	43	41	36
TN91-55	24	23	32	34	28
V90-798	28	23	34	30	29
V90-848	22	22	31	31	27

TABLE 7 - LODGING SCORES FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

STRAIN/ VARIETY	EAST			MEAN
	QUEENSTOWN	WARSAW		
	MD	VA		
MANOKIN	1.3	1.5		1.4
DELISOY 4710	1.8	2.0		1.9
K1304	1.5	1.8		1.7
K1305	1.0	1.8		1.4
K1307	1.3	1.2		1.3
LS90-1920	1.5	1.3		1.4
MD90-5473	1.7	1.5		1.6
KY91-1037	2.0	1.3		1.7
KY91-1352	1.5	2.0		1.8
S91-2469	1.7	1.7		1.7
TN91-07	2.5	2.0		2.3
TN91-55	2.2	2.2		2.2
V90-798	1.5	1.7		1.6
V90-848	1.8	2.2		2.0

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH							MEAN
	KNOXVILLE	MARTIN	ORANGE	PRINCE-	STARK-	ULLIN		
	TN	TN	VA	TON KY	VILLE MS	IL		
MANOKIN	2.7	2	2.0	1.0	1.7	1.8	1.8	
DELISOY 4710	1.5	4	1.3	2.7	2.0	1.7	2.4	
K1304	1.5	2	2.0	1.0	1.7	1.2	1.5	
K1305	1.7	2	2.7	1.0	1.0	1.3	1.4	
K1307	2.2	1	1.3	1.3	1.0	1.5	1.4	
LS90-1920	1.7	2	1.0	2.0	1.7	1.3	1.7	
MD90-5473	2.0	1	2.0	1.0	1.0	1.5	1.3	
KY91-1037	1.7	1	1.0	1.0	2.0	1.2	1.4	
KY91-1352	1.3	1	1.0	1.0	2.0	1.0	1.3	
S91-2469	1.5	2	1.0	1.7	2.0	1.3	1.7	
TN91-07	1.7	2	1.0	1.3	2.3	1.3	1.7	
TN91-55	1.8	2	1.0	1.0	2.0	1.5	1.7	
V90-798	1.8	2	1.0	1.0	2.0	1.3	1.6	
V90-848	1.7	1	1.3	1.7	2.7	1.5	1.7	

TABLE 7 - (Continued).

DELTA							
STRAIN/ VARIETY	KEISER AR	MARIANNA AR	PINE TREE AR	PORTAGE- VILLE MO (A)	PORTAGE- VILLE MO (B)	STONE- VILLE MS (B)	MEAN
MANOKIN	1.0	1.3	2.3	1.5	1.0	1.0	1.4
DELSOY 4710	1.3	2.3	2.0	2.0	1.5	1.3	1.8
K1304	1.0	1.7	2.3	2.0	1.0	1.3	1.6
K1305	1.0	1.0	2.3	1.5	1.5	1.0	1.4
K1307	1.0	1.0	2.0	1.0	1.0	1.0	1.2
LS90-1920	1.0	1.0	2.0	1.5	1.0	1.0	1.3
MD90-5473	1.0	1.0	2.0	1.5	1.0	1.0	1.3
KY91-1037	1.0	2.0	1.7	1.0	1.0	1.7	1.4
KY91-1352	1.0	1.3	1.7	1.0	1.0	1.7	1.3
S91-2469	1.0	2.7	2.0	2.0	1.5	1.7	1.8
TN91-07	2.0	2.0	2.0	1.5	2.0	2.0	1.9
TN91-55	1.0	1.3	2.0	1.5	1.0	2.0	1.5
V90-798	1.0	2.3	2.0	1.5	1.0	1.7	1.6
V90-848	1.3	3.0	2.0	2.0	1.0	1.7	1.8

WEST				
STRAIN/ VARIETY	CHANUTE KS	PITTSBURG KS	WALNUT KS	MEAN
MANOKIN	1	1	1	1
DELSOY 4710	1	1	1	1
K1304	1	1	1	1
K1305	1	1	1	1
K1307	1	1	1	1
LS90-1920	1	1	1	1
MD90-5473	1	1	1	1
KY91-1037	1	1	1	1
KY91-1352	1	1	1	1
S91-2469	1	1	1	1
TN91-07	1	1	1	1
TN91-55	1	1	1	1
V90-798	1	1	1	1
V90-848	1	1	1	1

TABLE 8 - SEED QUALITY FOR STRAIN/VARIETY IN UNIFORM GROUP IV-S, 1995.

STRAIN/ VARIETY	EAST			MEAN
	QUEENSTOWN MD	WARSAW VA		
MANOKIN	2.1	1.8		2.0
DELISOY 4710	2.3	2.5		2.4
K1304	2.0	1.2		1.6
K1305	2.3	1.1		1.7
K1307	1.8	1.4		1.6
LS90-1920	1.8	1.6		1.7
MD90-5473	1.0	1.5		1.3
KY91-1037	1.8	2.3		2.1
KY91-1352	1.3	1.4		1.4
S91-2469	1.9	2.2		2.1
TN91-07	2.3	1.9		2.1
TN91-55	1.7	1.5		1.6
V90-798	2.2	1.6		1.9
V90-848	1.8	1.8		1.8

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH							MEAN
	KNOXVILLE TN	MARTIN TN	ORANGE VA	PRINCETON KY	STARKVILLE MS	ULLIN IL		
MANOKIN	2.5	2	2.0	1	2.3	1.7	1.9	
DELISOY 4710	4.0	2	2.7	1	4.0	1.3	2.5	
K1304	2.0	2	2.3	1	1.7	1.0	1.5	
K1305	1.5	3	1.0	1	2.0	1.0	1.7	
K1307	3.0	2	1.3	1	1.0	1.0	1.6	
LS90-1920	2.0	3	2.0	1	2.0	2.0	2.0	
MD90-5473	2.5	2	2.0	2	1.7	1.0	1.8	
KY91-1037	2.5	3	2.0	1	2.7	1.0	2.0	
KY91-1352	3.5	3	1.7	2	2.7	1.7	2.6	
S91-2469	4.0	2	2.0	2	3.7	2.7	2.9	
TN91-07	2.5	3	1.3	3	2.0	2.0	2.5	
TN91-55	3.0	3	1.3	2	2.3	1.3	2.3	
V90-798	2.0	2	1.3	1	3.0	1.3	1.9	
V90-848	2.5	2	2.3	2	3.7	1.0	2.2	

TABLE 8 - (Continued).

DELTA						
STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	MEAN	
	AR	MO (A)	MO (B)	MS (B)		
MANOKIN	1.0	2.0	1.5	3.0	1.9	
DELLOY 4710	1.7	2.5	2.5	3.7	2.6	
K1304	1.0	2.0	1.5	2.0	1.6	
K1305	1.0	1.0	1.0	3.0	1.5	
K1307	1.0	1.5	1.5	2.3	1.6	
LS90-1920	1.0	1.5	1.5	3.0	1.8	
MD90-5473	1.0	1.5	1.0	2.0	1.4	
KY91-1037	1.0	2.0	2.0	3.0	2.0	
KY91-1352	1.0	2.0	2.0	3.0	2.0	
S91-2469	2.0	2.0	2.5	3.0	2.4	
TN91-07	1.0	1.5	1.5	3.0	1.8	
TN91-55	1.0	2.0	2.0	3.0	2.0	
V90-798	1.0	2.0	2.0	3.0	2.0	
V90-848	1.3	2.5	2.5	3.0	2.3	

WEST					
STRAIN/ VARIETY	CHANUTE	PITTSBURG	WALNUT	MEAN	
	KS	KS	KS		
MANOKIN	3	2	2	2.3	
DELLOY 4710	2	2	1	1.7	
K1304	3	3	2	2.7	
K1305	2	1	2	1.7	
K1307	3	2	3	2.7	
LS90-1920	3	3	2	2.7	
MD90-5473	2	3	2	2.3	
KY91-1037	3	3	1	2.3	
KY91-1352	2	2	1	1.7	
S91-2469	4	3	4	3.7	
TN91-07	2	2	2	2.0	
TN91-55	2	2	3	2.3	
V90-798	1	3	2	2.0	
V90-848	2	2	2	2.0	

PRELIMINARY GROUP IV-S**1995**

Preliminary Group IV-S nurseries were planted at 9 locations. Data were obtained from all of these 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, 1995.

STRAIN/ VARIETY		PARENTAGE		GENERATION COMPOSITED
1.	MANOKIN	L70-L3048	X D74-7824	F5
2.	DELLOY 4710	L77-443	X L77-906	F5
3.	F91-3076	F85-1335	X F83-4648	
4.	K1328	A4595	X R85-3280	
5.	K1329	C X 366	X K79-4	
6.	K1330	C X 366	X K79-4	
7.	K1331	A86-303014	X STAFFORD	
8.	K1332	K82-1-48	X TOANO	
9.	KY91-1018	ASGROW A4393	X HUTCHESON	F5
10.	KY91-1214	PIONEER 9391	X KY84-1616	F5
11.	KY91-1260	PIONEER 9391	X KY84-1616	F5
12.	LS92-1178	PHARAOH	X AVERY	F6
13.	LS92-1188	PHARAOH	X AVERY	F6
14.	LS92-3269	PHARAOH	X MORGAN	F6
15.	LS92-4275	RIPLEY	X A5474	F6
16.	LS92-4357	RIPLEY	X A5474	F6
17.	MD92-5764	N85-578	X RIPLEY	F5
18.	MD92-5769	N85-578	X RIPLEY	F5
19.	N92-3764	N87-2122-4	X P9273	
20.	N92-3892	N87-2122-4	X P9273	
21.	S92-2709	WILLIAMS (2)	X (FORREST X PI 437654)	F5
22.	S92-2714	WILLIAMS (2)	X (FORREST X PI 437654)	F5
23.	S92-2716	WILLIAMS (2)	X (FORREST X PI 437654)	F5
24.	TN91-13	TN83-6	X TN83-22	
25.	TN92-64	TN4-86	X TN83-22	
26.	V91-0731	CHESAPEAKE	X P9441	F5
27.	V91-2480	HUTCHESON	X P9441	F5
28.	V91-2485	CHESAPEAKE	X HUTCHESON	F5
29.	V91-2492	CHESAPEAKE	X HUTCHESON	F5
30.	V91-2547	CHESAPEAKE	X HUTCHESON	F5

TABLE 11 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	KEISER AR	KNOXVILLE TN	MCCUNE KS†	PORTAGE- VILLE MO (A)	PRINCE- TON KY	QUEENS- TOWN MD†	STONE- VILLE MS (B)	ULLIN IL	WARSAW VA	MEAN
MANOKIN	58.5	34.3	34.5	38.4	50.2	27.3	56.4	43.8	44.6	46.6
DELISOY 4710	50.2-	28.2	13.2-	41.2	49.1	23.2	56.6	45.4	35.5	43.7
F91-3076	54.8	34.3	26.3	40.0	53.6	20.7	54.5	43.4	47.0	46.8
K1328	57.5	38.0	25.0	44.7	45.4	24.9	53.4	41.0	39.7	45.6
K1329	55.0	35.6	23.5-	40.9	42.8	19.0	51.2	42.7	27.8-	42.3
K1330	56.0	35.5	21.2-	37.9	51.3	26.4	61.0	44.6	43.1	47.0
K1331	57.4	36.8	29.3	40.9	42.0	24.7	57.8	39.3	54.1	46.9
K1332	53.2-	36.1	20.6-	42.0	44.9	26.6	48.7	41.4	41.8	44.0
KY91-1018	56.8	28.1	28.8	45.5	53.8	23.9	52.0	39.6	33.2-	44.1
KY91-1214	59.0	35.4	27.7	38.0	57.8	20.8	61.8	48.4	49.9	50.0
KY91-1260	53.9	38.4	22.0-	34.8	41.7	26.0	61.5	45.7	45.1	45.8
LS92-1178	46.9-	28.6	28.5	32.6	47.8	22.0	60.5	43.0	52.5	44.5
LS92-1188	52.9-	31.6	22.8-	27.3-	46.5	22.4	57.6	45.2	40.3	43.0
LS92-3269	51.9-	31.0	26.9	35.5	34.5-	22.9	57.9	40.1	49.3	42.9
LS92-4275	55.3	37.3	27.4	38.1	40.5	21.0	50.4	44.5	44.3	44.3
LS92-4357	54.3	39.7	24.0	34.4	48.2	24.8	56.4	46.7	44.9	46.4
MD92-5764	58.8	36.7	22.4-	39.4	41.1	23.9	57.4	41.3	53.5	46.9
MD92-5769	65.3+	46.7+	33.3	39.7	42.6	26.7	59.0	47.5	46.4	49.6
N92-3764	38.4-	30.0	5.9-	34.5	38.3	14.0-	40.7-	29.2-	26.9-	34.0-
N92-3892	40.4-	26.8	26.0	34.7	44.8	15.5-	31.6-	37.3-	41.3	36.7-
S92-2709	46.9-	26.3	20.1-	34.4	50.3	24.7	51.4	39.2	33.1-	40.2-
S92-2714	47.3-	31.9	25.1	36.6	43.4	20.0	59.2	36.7-	40.4	42.2
S92-2716	50.2-	30.3	25.0	37.9	48.4	22.6	60.5	42.6	37.9	43.9
TN91-13	50.4-	29.7	30.8	36.6	50.4	25.8	53.4	39.7	45.2	43.6
TN92-64	56.9	34.2	18.6-	36.5	47.5	25.6	56.0	43.5	40.9	45.1
V91-0731	47.5-	39.8	34.2	40.1	46.1	24.7	61.1	42.0	52.4	47.0
V91-2480	46.8-	37.4	21.7-	42.8	42.6	21.7	55.0	41.1	50.4	45.1
V91-2485	53.6	32.1	26.8	42.4	37.7	28.0	66.0	40.7	43.3	45.1
V91-2492	48.9-	34.4	21.1-	36.8	54.1	24.7	69.6+	43.3	48.1	47.9
V91-2547	48.5-	35.5	35.6	38.8	52.6	23.6	64.0	38.4	49.3	46.7
L.S.D. (0.05)	5.2	11.9	10.9	10.3	13.7	10.1	11.1	6.4	10.9	5.0
C.V. (%)	4.8	17.2	21.4	13.2	14.4	21.3	9.7	7.5	12.4	10.7

† Not included in mean.

TABLE 12 - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	KEISER AR	KNOX- VILLE TN	PORTAGE- VILLE MO (A)	PRINCE- TON KY	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	MEAN
MANOKIN	20.9	21.5	18.6	20.1	20.9	20.6	20.8	20.4
DELLOY 4710	19.9	20.5	18.6	19.6	19.5	20.4	20.7	20.0
F91-3076	19.3	21.1	18.6	19.2	19.3	20.2	20.2	19.8
K1328	20.3	21.3	19.4	20.1	20.2	21.0	20.9	20.5
K1329	20.8	21.7	19.3	19.9	20.0	21.5	21.0	20.7
K1330	19.6	20.0	18.6	20.1	19.7	20.3	20.3	19.8
K1331	21.3	22.1	20.9	20.7	20.9	22.4	21.8	21.5
K1332	21.1	21.9	19.9	21.4	20.7	21.7	22.1	21.4
KY91-1018	21.1	21.9	20.5	21.1	20.1	21.3	21.5	21.2
KY91-1214	20.7	21.6	20.1	20.8	20.7	21.2	20.7	20.9
KY91-1260	19.9	21.1	19.5	19.3	20.0	20.6	20.7	20.2
LS92-1178	20.7	22.0	19.5	19.9	19.7	21.4	20.9	20.7
LS92-1188	21.3	21.9	19.2	20.1	19.3	21.3	21.2	20.8
LS92-3269	20.2	20.8	18.6	18.0	18.9	20.4	19.3	19.6
LS92-4275	19.5	20.3	18.0	18.2	18.7	20.2	20.2	19.4
LS92-4357	19.4	20.3	17.9	19.4	19.7	20.3	20.5	19.6
MD92-5764	20.1	20.6	18.8	19.4	19.3	20.2	21.1	20.0
MD92-5769	20.5	21.4	18.9	18.3	19.1	21.4	20.6	20.2
N92-3764	21.9	22.3	22.2	21.6	21.8	22.2	22.4	22.1
N92-3892	19.3	19.7	19.3	18.6	18.1	20.6	19.7	19.5
S92-2709	20.9	21.5	19.9	19.9	19.9	20.9	20.5	20.6
S92-2714	20.3	21.5	19.5	19.9	19.1	21.0	20.3	20.4
S92-2716	20.7	21.7	19.1	19.6	20.0	16.8	20.6	19.8
TN91-13	20.3	21.3	19.1	19.7	20.0	20.3	21.2	20.3
TN92-64	20.4	21.2	19.0	20.8	20.2	20.1	20.7	20.4
V91-0731	19.6	21.1	18.8	19.9	18.9	20.4	20.8	20.1
V91-2480	20.5	21.9	19.6	20.5	18.8	21.2	21.1	20.8
V91-2485	20.4	21.8	19.7	20.0	20.0	20.5	21.8	20.7
V91-2492	20.7	21.4	19.5	20.1	19.6	21.2	21.5	20.7
V91-2547	20.5	21.3	20.0	20.2	19.2	20.7	21.4	20.7

TABLE 13 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	KEISER AR	KNOX- VILLE TN	PORTAGE- VILLE MO (A)	PRINCE- TON KY	QUEENS- TOWN MD	STONE- VILLE MS (B)	ULLIN IL	MEAN
MANOKIN	40.4	42.0	43.8	41.0	39.0	45.5	38.5	41.9
DELSOY 4710	41.4	41.0	42.3	40.7	41.2	44.0	38.7	41.4
F91-3076	42.1	42.2	43.0	42.4	43.8	44.9	40.4	42.5
K1328	43.4	41.8	43.4	41.7	42.3	45.3	40.8	42.7
K1329	42.5	41.1	43.9	43.5	43.3	46.0	40.7	43.0
K1330	43.5	41.2	43.3	40.3	41.5	44.2	40.3	42.1
K1331	41.3	41.0	41.5	41.1	40.5	42.8	40.4	41.4
K1332	40.7	41.1	41.8	39.4	40.3	44.2	39.2	41.1
KY91-1018	42.5	42.3	44.5	41.7	43.7	43.9	42.2	42.9
KY91-1214	42.2	40.5	40.9	40.2	41.6	41.9	41.1	41.1
KY91-1260	41.6	39.9	41.3	42.1	40.0	44.9	40.3	41.7
LS92-1178	41.4	39.5	43.3	42.4	41.9	43.5	38.9	41.5
LS92-1188	40.3	39.9	44.7	40.8	41.8	43.8	39.2	41.5
LS92-3269	42.5	40.8	44.1	45.4	43.9	44.6	42.2	43.3
LS92-4275	42.7	41.9	44.5	45.1	44.2	45.5	41.9	43.6
LS92-4357	42.9	41.6	44.4	42.1	41.7	43.8	41.1	42.7
MD92-5764	41.6	41.5	42.7	40.1	41.5	43.5	39.5	41.5
MD92-5769	38.8	38.7	40.1	42.1	39.0	39.0	38.8	39.6
N92-3764	43.1	42.0	41.8	41.8	39.8	45.4	41.0	42.5
N92-3892	43.7	43.8	41.5	43.1	43.1	46.3	40.9	43.2
S92-2709	43.7	41.6	43.3	43.2	42.4	45.9	42.1	43.3
S92-2714	45.4	43.0	45.3	43.8	45.0	43.4	43.2	44.0
S92-2716	44.7	42.3	45.2	44.2	41.7	46.7	42.2	44.2
TN91-13	41.6	40.7	42.5	40.5	39.9	45.9	39.1	41.7
TN92-64	42.8	41.5	42.4	40.6	40.6	45.3	40.8	42.2
V91-0731	42.8	42.6	43.7	41.0	42.5	46.0	40.5	42.8
V91-2480	39.7	40.9	42.2	39.5	41.6	42.2	39.6	40.7
V91-2485	40.9	40.8	42.3	42.2	39.7	43.1	39.5	41.5
V91-2492	42.4	41.3	43.3	40.9	40.1	44.8	40.0	42.1
V91-2547	41.1	41.4	43.3	41.2	42.0	45.7	40.0	42.1

TABLE 14 - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	KNOX- VILLE TN	PORTAGE- VILLE MD	PRINCE- TON KY	QUEENS- TOWN MD	STONE- VILLE MS (B)	ULLIN IL	WARSAW VA	MEAN
MANOKIN	11.8	9.3	11.6	12.3	11.7	11.2	12.8	11.4
DELSOY 4710	14.4	12.4	13.1	10.9	15.4	14.6	14.0	14.0
F91-3076	12.6	10.6	10.8	9.0	12.3	12.4	12.7	11.9
K1328	13.1	11.6	11.4	11.5	14.1	12.5	14.6	12.9
K1329	14.5	12.4	12.9	11.8	16.1	15.1	15.4	14.4
K1330	13.8	11.0	14.1	12.7	15.2	14.5	13.9	13.8
K1331	13.9	12.0	10.8	11.9	16.5	13.2	14.7	13.5
K1332	13.3	11.1	13.8	11.5	15.6	12.9	14.3	13.5
KY91-1018	12.1	11.5	13.0	10.7	15.7	11.9	12.9	12.8
KY91-1214	13.9	12.2	13.4	12.2	13.3	14.1	13.6	13.4
KY91-1260	11.8	11.2	14.1	11.6	12.4	14.4	13.2	12.8
LS92-1178	11.9	9.6	11.1	9.8	14.4	11.9	13.9	12.1
LS92-1188	12.6	9.9	12.1	9.6	14.5	11.7	14.0	12.5
LS92-3269	10.1	9.3	11.4	9.7	13.4	10.9	13.6	11.4
LS92-4275	10.9	9.9	11.3	9.3	14.0	11.8	13.2	11.8
LS92-4357	11.5	10.1	10.5	10.4	13.2	11.7	13.4	11.7
MD92-5764	10.1	9.4	11.0	9.6	13.5	11.5	11.3	11.1
MD92-5769	12.1	10.0	12.4	10.3	13.4	11.4	11.8	11.8
N92-3764	13.5	12.9	13.6	12.2	14.3	11.7	13.8	13.3
N92-3892	12.7	13.0	14.6	12.8	12.4	15.4	16.0	14.0
S92-2709	13.2	12.0	14.4	11.6	14.9	12.2	14.5	13.5
S92-2714	14.3	12.8	12.3	10.4	14.4	12.1	16.0	13.6
S92-2716	13.9	12.4	13.2	11.8	15.4	14.1	16.4	14.2
TN91-13	11.7	10.2	11.8	11.6	12.9	12.8	13.9	12.2
TN92-64	12.0	10.2	11.4	10.7	13.3	12.9	13.2	12.2
V91-0731	11.4	10.1	12.3	10.2	11.5	12.0	12.9	11.7
V91-2480	13.2	11.3	11.7	10.5	13.6	13.0	14.2	12.8
V91-2485	12.6	11.8	11.6	11.5	15.0	13.3	14.2	13.1
V91-2492	11.7	10.5	11.8	10.6	13.0	12.2	13.0	12.0
V91-2547	12.9	11.3	12.9	10.7	15.6	12.4	14.3	13.2

TABLE 15 - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	PORTAGE-									MEAN
	KEISER AR	KNOXVILLE TN	MCCUNE KS	VILLE MO (A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS (B)	ULLIN IL	WARSAW VA	
MANOKIN	25	32	28	29	25	21	14	31	20	25
DELROY 4710	43	31	31	46	47	24	21	49	33	38
F91-3076	44	31	29	35	39	24	29	37	33	35
K1328	39	36	24	41	38	23	21	42	33	36
K1329	38	36	29	34	42	26	19	44	28	34
K1330	32	28	26	23	35	24	18	40	29	29
K1331	47	31	24	31	40	24	29	38	36	36
K1332	39	32	28	34	42	26	22	42	30	34
KY91-1018	43	26	26	40	42	22	28	42	28	35
KY91-1214	43	29	28	44	44	26	26	44	34	38
KY91-1260	43	35	33	37	46	34	25	51	34	39
LS92-1178	29	29	26	21	31	22	16	36	27	27
LS92-1188	36	31	26	16	33	26	15	46	28	29
LS92-3269	33	29	31	27	33	25	15	38	22	28
LS92-4275	30	34	27	25	33	27	17	38	24	28
LS92-4357	37	36	27	22	31	25	18	36	25	29
MD92-5764	31	28	23	24	29	23	15	32	23	26
MD92-5769	24	26	21	20	24	21	11	30	19	22
N92-3764	35	24	22	32	31	22	20	37	27	29
N92-3892	47	43	31	45	50	27	40	48	35	44
S92-2709	33	28	26	24	31	26	21	38	27	29
S92-2714	42	30	26	33	37	30	23	41	32	34
S92-2716	40	33	31	36	39	29	26	43	36	36
TN91-13	48	34	33	42	49	33	23	47	40	40
TN92-64	41	35	32	41	46	31	27	46	39	39
V91-0731	42	34	25	41	43	25	25	40	39	38
V91-2480	43	35	30	35	43	25	28	40	35	37
V91-2485	45	38	29	40	45	27	34	46	35	40
V91-2492	42	36	29	42	41	29	31	38	35	38
V91-2547	41	34	27	32	40	24	32	37	33	36

TABLE 16 - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	PORTAGE-									MEAN
	KEISER AR	KNOXVILLE TN	MCCUNE KS	VILLE MO (A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS (B)	ULLIN IL	WARSAW VA	
MANOKIN	1.0	2.5	1	1.0	1.0	1.5	2.0	1.8	1.8	1.6
DELSOY 4710	1.5	1.5	1	1.5	2.0	1.3	2.0	2.0	1.8	1.8
F91-3076	2.0	1.3	1	1.5	1.0	1.3	2.0	1.5	1.5	1.5
K1328	1.0	1.8	1	2.0	1.0	1.5	2.0	1.8	1.5	1.6
K1329	2.0	1.8	1	2.5	1.0	1.8	1.5	1.8	1.5	1.7
K1330	2.0	1.5	1	2.0	1.0	2.0	1.5	1.8	1.8	1.6
K1331	1.0	1.0	1	1.0	1.0	1.5	1.5	1.0	1.5	1.1
K1332	1.0	1.8	1	2.0	1.0	1.3	2.0	1.5	1.8	1.6
KY91-1018	1.0	1.0	1	1.0	1.0	1.3	2.0	1.5	1.0	1.2
KY91-1214	2.0	1.5	1	2.0	1.0	1.8	2.0	1.5	1.5	1.6
KY91-1260	2.5	1.5	1	1.5	1.0	1.8	1.5	1.0	2.0	1.6
LS92-1178	1.5	1.5	1	1.0	1.0	1.0	1.0	1.5	1.3	1.3
LS92-1188	1.0	1.8	1	1.0	1.0	1.3	1.0	1.5	1.3	1.2
LS92-3269	1.5	1.5	1	1.0	1.0	1.3	1.0	1.5	1.3	1.3
LS92-4275	1.0	2.0	1	1.0	1.0	1.0	1.0	1.0	1.0	1.1
LS92-4357	1.0	3.0	1	1.0	1.0	1.3	1.0	1.3	1.0	1.3
MD92-5764	1.0	1.0	1	1.0	1.0	1.0	1.0	1.1	1.0	1.0
MD92-5769	1.0	1.0	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
N92-3764	1.5	1.3	1	1.0	1.0	1.0	2.0	1.3	1.3	1.3
N92-3892	2.0	2.8	1	2.0	2.0	1.8	2.0	1.0	2.3	2.0
S92-2709	2.0	1.5	1	2.0	1.5	1.8	1.0	1.5	1.8	1.6
S92-2714	2.0	1.8	1	3.0	2.5	1.5	1.5	2.0	2.5	2.2
S92-2716	2.5	2.0	1	3.0	2.0	1.8	2.0	2.3	2.3	2.3
TN91-13	2.0	1.0	1	1.0	1.0	1.0	1.5	1.5	2.3	1.5
TN92-64	2.0	1.5	1	1.5	1.0	1.8	2.0	1.5	2.0	1.6
V91-0731	1.0	1.3	1	1.0	1.0	1.0	1.0	1.5	2.5	1.3
V91-2480	1.5	1.5	1	1.0	1.0	1.0	1.5	1.5	2.3	1.5
V91-2485	2.0	1.0	1	2.5	1.0	1.0	1.5	1.5	1.8	1.6
V91-2492	1.5	1.5	1	2.0	2.0	1.3	1.0	1.3	2.3	1.6
V91-2547	1.5	1.3	1	1.0	1.0	1.0	1.0	1.0	1.8	1.2

TABLE 17 - SEED QUALITY FOR STRAIN/VARIETY IN PRELIMINARY GROUP IV-S, 1995.

STRAIN/ VARIETY	KNOX- VILLE TN	PORTAGE VILLE MO (A)	PRINCE- TON KY	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	3.5	1.5	2	2.0	3.0	1.5	2.0	2.3
DELLOY 4710	3.5	2.0	2	2.5	3.0	1.0	2.9	2.4
F91-3076	2.0	1.5	2	1.5	2.0	1.0	2.4	1.8
K1328	2.5	2.0	2	1.8	3.0	1.0	2.4	2.1
K1329	3.0	2.0	2	2.0	2.5	2.0	3.2	2.4
K1330	4.0	2.0	1	2.5	3.0	2.0	2.5	2.4
K1331	2.5	1.5	2	2.5	3.0	2.5	2.2	2.3
K1332	3.5	2.0	2	2.0	3.0	1.0	2.7	2.4
KY91-1018	2.5	1.5	2	1.8	3.0	1.0	2.0	2.0
KY91-1214	3.5	1.5	1	1.8	3.0	1.5	1.9	2.1
KY91-1260	2.5	1.5	2	2.5	2.0	1.0	1.5	1.8
LS92-1178	2.5	2.0	3	1.8	2.0	1.0	1.8	2.1
LS92-1188	2.5	2.0	1	2.0	3.0	2.0	2.0	2.1
LS92-3269	1.5	2.0	3	1.3	2.0	1.0	1.7	1.9
LS92-4275	2.5	2.0	2	2.0	3.0	1.5	1.8	2.1
LS92-4357	2.5	2.0	1	1.8	2.5	1.0	1.5	1.8
MD92-5764	2.0	1.5	2	1.5	3.0	1.5	1.1	1.9
MD92-5769	1.5	1.5	1	2.0	2.0	1.0	1.5	1.4
N92-3764	4.0	2.5	1	2.5	3.5	1.0	3.7	2.6
N92-3892	5.0	2.0	1	3.5	3.5	1.0	1.8	2.4
S92-2709	4.0	2.5	2	2.0	2.5	1.5	2.2	2.5
S92-2714	3.5	3.0	2	2.3	3.0	1.5	2.4	2.6
S92-2716	3.5	2.5	3	2.0	3.0	1.5	2.7	2.7
TN91-13	2.5	1.5	2	2.8	2.5	1.0	1.7	1.9
TN92-64	3.0	2.0	2	3.0	3.0	1.5	2.1	2.3
V91-0731	2.0	2.0	1	2.0	2.0	1.5	1.4	1.6
V91-2480	2.5	2.0	1	3.0	2.5	2.0	2.0	2.0
V91-2485	2.0	2.0	2	2.0	3.0	1.0	2.0	2.0
V91-2492	2.0	2.0	2	2.8	3.0	1.0	2.0	2.0
V91-2547	2.0	2.0	1	1.8	2.5	1.0	1.5	1.7

UNIFORM GROUP V**1995**

Uniform Group V nurseries were planted at 27 locations. Data were obtained from 25 of these locations. The parentage for each strain is reported in Table 18. Table 19 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 20 - 25.

TABLE 18 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY		PARENTAGE	GENERATION COMPOSITED
1. HUTCHESON	V68-1034	X ESSEX	F5
2. MANOKIN	L70-L3048	X D74-7824	F5
3. D91-4619	EPPS	X SHARKEY	F5
4. K1267	K1133	X K1106	F5
5. K1276	COKER 425	X A3427	F5
6. K1277	HUTCHESON	X A3966	F5
7. N90-516	HUTCHESON	X N83-1014	F6
8. OK88-5420	DOUGLAS	X ESSEX	F4
9. S88-1854	HUTCHESON	X S81-2524	F5
10. S91-1661	PIONEER 9571	X HARTWIG	F5
11. V89-805	HUTCHESON	X (V80-2476 X V80-2165)	F5
12. K1308	K1133	X FLYER	F5
13. K1309	K1133	X N83-375	F5
14. KY91-11114	ASGROW A3935	X KY84-1616	F5
15. N92-189	AU82-211	X N85-578	F6
16. OK89-5602	BEDFORD	X ESSEX	F4
17. R90-515	LLOYD	X NAROW	
18. R91-429	HARTZ 6381	X WALTERS	F6
19. S92-1403	PIONEER 9581	X HARTWIG	F5
20. TN89-39	TN81-2	X TN80-69	F7
21. TN90-91	STAFFORD	X TN82-94	F6
22. V90-1012	HUTCHESON	X (FFR561 X TOANO)	F5

TABLE 19 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	1995	94-95	93-95	1995	94-95	93-95	1995	94-95	93-95
1. HUTCHESON	40.7	46.1	44.9	41.3	41.3	40.7	21.1	21.2	21.3
2. MANOKIN	36.0	42.1	.	41.1	41.2	.	20.7	20.7	.
3. D91-4619	40.3	43.9	.	43.6	43.6	.	19.7	20.0	.
4. K1267	39.2	45.3	.	41.0	41.3	.	21.1	21.2	.
5. K1276	40.1	46.6	.	40.7	40.6	.	21.3	21.5	.
6. K1277	40.1	45.9	.	40.9	41.1	.	21.3	21.3	.
7. N90-516	42.6	47.7	46.2	41.0	41.1	40.5	20.6	20.6	20.8
8. OK88-5420	38.1	44.0	.	41.6	41.8	.	20.4	20.5	.
9. S88-1854	41.2	46.5	45.1	41.6	41.6	41.0	20.8	21.0	21.1
10. S91-1661	37.2	43.3	.	40.7	41.0	.	19.7	19.8	.
11. V89-805	39.0	45.3	.	40.9	40.9	.	20.9	20.9	.
12. K1308	38.4	.	.	40.8	.	.	20.8	.	.
13. K1309	38.8	.	.	40.8	.	.	20.3	.	.
14. KY91-11114	40.3	.	.	42.6	.	.	20.9	.	.
15. N92-189	41.1	.	.	40.9	.	.	21.0	.	.
16. OK89-5602	37.5	.	.	43.8	.	.	20.5	.	.
17. R90-515	39.9	.	.	41.3	.	.	20.5	.	.
18. R91-429	38.1	.	.	40.6	.	.	20.2	.	.
19. S92-1403	37.8	.	.	42.1	.	.	19.6	.	.
20. TN89-39	40.0	.	.	41.9	.	.	19.9	.	.
21. TN90-91	37.5	.	.	42.3	.	.	20.2	.	.
22. V90-1012	41.4	.	.	41.8	.	.	20.9	.	.

BOTANICAL TRAITS

STRAIN/ VARIETY	FL	MAT.		SEED HT.	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
	COLOR	DATE	LODGING					
1. HUTCHESON	W	0	1.5	27	1.6	12.3	G	T
2. MANOKIN	W	-6	1.8	26	2.1	11.4	T	T
3. D91-4619	W	-0	2.1	31	1.7	11.1	T	T
4. K1267	S	0	1.8	34	2.0	13.1	G	T
5. K1276	P	-3	1.1	26	1.7	11.7	T	BR
6. K1277	W	1	1.9	38	2.0	13.3	G	T
7. N90-516	W	-3	1.6	28	1.8	12.4	G	T
8. OK88-5420	S	-0	1.5	29	2.0	13.0	G	BR
9. S88-1854	W	-0	1.4	29	1.7	12.3	T	T
10. S91-1661	W	0	1.9	35	2.1	12.3	T	BR
11. V89-805	P	-5	1.4	29	1.9	11.8	G	BR
12. K1308	P	-5	1.3	28	1.7	10.8	G	T
13. K1309	P	-6	1.2	24	1.7	10.2	G	T
14. KY91-11114	W	-0	1.5	33	2.4	13.0	T	BR
15. N92-189	W	-5	1.2	27	2.0	13.1	T	T
16. OK89-5602	P	-2	1.5	26	1.6	12.0	G	T
17. R90-515	P	2	2.9	33	1.9	12.7	T	T
18. R91-429	P	1	2.9	32	1.8	12.3	G	T
19. S92-1403	W	-0	2.8	31	1.9	11.1	T	T
20. TN89-39	W	-0	1.5	30	1.7	12.3	G	BR
21. TN90-91	P	-7	1.5	26	1.8	11.8	G	T
22. V90-1012	P	-3	1.4	29	1.7	12.8	G	T

† Data from Plymouth, NC (1994); Clemson, SC (1993); and Georgetown, DE (1993; 1995) not included in mean.

TABLE 19 - (Continued).

STRAIN/ VARIETY	PEST REACTIONS								
	SDS	STEM		M.a. TN	M.a. GA	M.i. TN	M.i. GA	SCN 3	SCN 14
		CANKER MS	M.a. GA						
1. HUTCHESON	93	1.0	4.5	4.3	4.3	1.5	4.7	4.9	
2. MANOKIN	0	1.0	3.5	1.6	1.8	1.0	1.1	4.8	
3. D91-4619	9	1.1	4.8	4.6	3.5	2.0	1.6	5.0	
4. K1267	100	4.3	3.5	4.0	4.5	1.2	4.7	5.0	
5. K1276	99	3.0	2.3	4.2	5.0	2.4	4.6	5.0	
6. K1277	100	3.6	3.0	4.2	4.0	1.2	4.0	5.0	
7. N90-516	77	2.0	3.5	3.8	3.3	1.7	3.4	5.0	
8. OK88-5420	85	1.0	2.8	4.0	4.5	2.0	4.6	5.0	
9. S88-1854	75	1.9	3.8	4.3	4.5	1.2	1.7	2.3	
10. S91-1661	2	2.4	3.3	4.3	4.8	1.8	1.0	1.0	
11. V89-805	95	1.1	4.3	4.8	4.8	1.8	2.9	4.8	
12. K1308	100	5.0	3.3	3.8	4.5	1.4	4.1	5.0	
13. K1309	95	2.8	3.3	3.8	4.3	1.8	3.3	4.7	
14. KY91-11114	98	1.1	4.0	4.6	5.0	1.5	3.9	4.4	
15. N92-189	100	2.9	3.0	3.7	3.8	1.1	3.0	4.7	
16. OK89-5602	95	3.0	2.5	3.5	4.5	1.4	4.3	5.0	
17. R90-515	50	1.0	3.5	3.7	3.3	1.0	1.1	4.5	
18. R91-429	35	2.5	1.8	1.0	1.0	1.0	1.0	5.0	
19. S92-1403	0	3.0	2.3	1.3	1.3	1.0	1.0	1.1	
20. TN89-39	12	4.0	4.8	2.3	2.8	1.0	1.1	4.7	
21. TN90-91	90	1.5	3.5	3.8	5.0	1.0	4.5	4.6	
22. V90-1012	85	1.0	3.8	4.0	4.5	1.7	4.4	4.9	

TABLE 20 - SEED YIELD IN BUSHELS PER ACRE, FOR STRAIN/VARIETY IN UNIFORM V, 1995.

STRAIN/ VARIETY	EAST					MEAN
	PLYMOUTH		GEORGETOWN	QUEENSTOWN	WARSAW	
	NC		DE†	MD	VA	
HUTCHESON	38.8		21.0	28.8	41.2	36.3
MANOKIN	41.5		15.4	26.8	40.5	36.3
D91-4619	46.8		19.8	31.2	43.7	40.6
K1267	49.2		17.9	25.5	41.0	38.6
K1276	38.0		15.8	32.7	46.1	38.9
K1277	48.5		17.9	31.2	41.8	40.5
N90-516	44.9		14.8	26.8	37.1	36.3
OK88-5420	37.4		19.8	35.8	43.5	38.9
S88-1854	37.6		17.4	26.7	44.0	36.1
S91-1661	43.5		15.0	26.3	42.4	37.4
V89-805	46.0		21.7	25.7	42.3	38.0
K1308	31.2		15.4	29.7	45.5	35.5
K1309	34.3		12.9	30.2	42.0	35.5
KY91-11114	48.9		19.3	27.3	42.4	39.5
N92-189	35.3		17.1	35.5	41.5	37.4
OK89-5602	42.5		17.7	28.4	45.9	38.9
R90-515	44.5		17.7	32.0	47.3	41.3
R91-429	41.2		16.9	27.3	40.9	36.5
S92-1403	39.0		14.3	25.6	45.4	36.6
TN89-39	41.2		21.4	30.1	47.5	39.6
TN90-91	42.8		19.1	28.2	38.6	36.5
V90-1012	45.3		12.1	27.2	42.2	38.2
L.S.D. (0.05	11.7		N.S.	8.7	7.2	.
C.V. (%)	16.9		20.3	18.2	10.2	.

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH											MEAN
	BATON BELLE			KNOX-			PRINCE-			STARK-		
	ATHENS	ROUGE	MINA	CALHOUN	VILLE	MARTIN	ORANGE	TON	VILLE	ULLIN		
	GA	LA	AL	GA	TN	TN	VA	KY	MS	IL		
HUTCHESON	56.4	63.1	29.1	35.7	27.9	37.8	45.7	45.7	34.1	49.0	42.5	
MANOKIN	44.2	41.4	31.3	35.4	33.6	23.1	39.7	43.0	28.1	47.1	36.7	
D91-4619	46.6	55.6	22.9	33.9	34.3	33.9	40.3	49.1	48.6	51.8	41.7	
K1267	36.5	.	30.4	34.9	34.1	.	48.3	50.1	27.3	40.3	37.7	
K1276	47.4	43.3	33.1	41.9	34.3	32.4	47.4	52.4	24.3	46.7	40.3	
K1277	54.1	48.5	27.0	41.2	37.0	23.8	40.6	47.4	26.2	45.5	39.1	
N90-516	53.8	56.3	30.5	40.4	36.7	35.5	44.3	53.0	40.0	52.2	44.3	
OK88-5420	40.8	49.5	29.0	34.5	27.0	36.6	44.1	49.2	27.8	43.8	38.2	
S88-1854	56.7	56.8	32.1	34.9	28.9	42.3	52.4	46.4	31.8	50.7	43.3	
S91-1661	48.2	49.2	26.4	33.5	26.5	29.6	35.6	46.1	30.2	42.0	36.7	
V89-805	37.9	50.6	32.5	36.4	26.2	45.8	46.2	48.0	34.8	33.1	39.1	
K1308	57.5	48.6	29.7	34.6	26.4	13.8	47.3	41.5	23.5	44.8	36.8	
K1309	46.0	47.6	33.2	32.6	27.2	33.6	43.2	45.5	30.5	48.3	38.8	
KY91-11114	42.6	51.7	28.3	29.3	31.1	39.2	47.8	53.9	32.3	45.5	40.2	
N92-189	57.0	49.9	34.7	32.6	32.4	33.2	47.5	46.9	39.4	49.1	42.3	
OK89-5602	48.5	43.6	28.5	35.2	24.5	31.1	38.5	49.7	30.6	47.0	37.7	
R90-515	50.8	43.8	24.5	37.6	29.4	38.2	35.9	52.6	26.4	49.1	38.8	
R91-429	53.2	53.4	20.1	37.0	23.3	16.9	35.8	45.5	30.1	50.8	36.6	
S92-1403	52.4	51.7	23.6	33.6	30.1	25.9	35.6	49.0	28.0	42.3	37.2	
TN89-39	52.9	51.1	29.1	41.2	25.3	28.1	44.2	47.9	23.3	50.2	39.3	
TN90-91	42.1	39.3	31.6	32.0	28.0	39.0	44.5	49.2	29.8	44.2	38.0	
V90-1012	53.1	54.7	31.4	37.4	31.3	40.1	45.6	48.7	37.2	49.9	43.0	
L.S.D. (0.05	8.6	.	3.8	8.5	7.6	6.8	8.8	9.3	4.5	6.9	.	
C.V. (%)	10.6	7.1	7.9	14.4	15.5	12.7	12.4	11.5	8.8	8.9	.	

† Not included in mean.

TABLE 20 - (Continued).

STRAIN/ VARIETY	DELTA						MEAN
	KEISER AR	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS		
HUTCHESON	56.3	48.8	38.7	40.6	51.6	47.2	
MANOKIN	51.5	36.5	35.7	40.3	48.7	42.5	
D91-4619	56.1	43.6	36.0	40.6	53.4	46.0	
K1267	53.3	45.1	41.8	42.1	48.4	46.1	
K1276	59.4	40.8	32.7	37.2	57.4	45.5	
K1277	54.3	45.9	43.3	40.0	51.2	46.9	
N90-516	62.6	49.9	36.0	42.1	61.1	50.4	
OK88-5420	58.6	41.1	34.8	38.1	48.7	44.3	
S88-1854	60.7	46.5	36.6	40.6	55.3	47.9	
S91-1661	49.9	47.9	37.2	37.8	54.5	45.5	
V89-805	58.8	49.3	37.5	36.0	58.4	48.0	
K1308	56.0	48.3	40.0	42.1	59.2	49.1	
K1309	57.5	44.3	36.3	36.3	53.1	45.5	
KY91-11114	61.7	43.2	42.7	37.8	54.2	47.9	
N92-189	58.0	48.4	35.1	40.9	58.2	48.1	
OK89-5602	52.2	44.1	34.5	38.7	42.8	42.5	
R90-515	51.2	48.9	39.6	43.6	46.8	46.0	
R91-429	56.7	44.9	36.6	43.3	50.8	46.5	
S92-1403	52.2	43.8	41.8	39.3	52.0	45.8	
TN89-39	60.2	45.9	.	.	49.4	51.8	
TN90-91	53.5	39.6	36.3	36.3	48.8	42.9	
V90-1012	63.0	47.1	38.4	42.4	54.9	49.2	
L.S.D. (0.05	5.8	5.6	8.1	3.4	5.4	.	
C.V. (%)	6.3	7.5	12.9	5.2	6.3	.	

STRAIN/ VARIETY	WEST						MEAN
	BOSSIER						
	BIXBY OK	CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	WALNUT KS	
HUTCHESON	21.6	55.8	25.4	31.2	45.0	27.3	34.4
MANOKIN	22.7	40.0	25.8	23.4	40.7	23.5	29.3
D91-4619	24.0	52.1	25.1	23.9	49.5	24.0	33.1
K1267	24.8	57.9	29.3	23.3	49.9	27.8	35.5
K1276	25.0	53.6	30.6	27.3	50.3	27.0	35.6
K1277	27.9	55.7	31.2	21.3	50.5	27.6	35.7
N90-516	24.0	57.0	31.6	29.9	50.7	26.7	36.7
OK88-5420	18.9	51.1	30.9	23.5	47.4	22.3	32.4
S88-1854	23.2	54.2	32.8	20.5	51.3	26.6	34.8
S91-1661	27.7	43.2	24.8	22.0	48.5	19.9	31.0
V89-805	20.2	51.8	26.8	19.0	50.6	22.3	31.8
K1308	24.6	58.4	20.3	22.1	51.2	25.7	33.7
K1309	23.7	55.5	30.9	27.9	44.4	26.5	34.8
KY91-11114	22.8	56.1	26.4	25.3	51.6	25.5	34.6
N92-189	20.9	50.4	35.1	29.9	49.4	25.5	35.2
OK89-5602	22.2	52.9	26.7	21.7	46.9	23.4	32.3
R90-515	25.9	60.0	26.1	25.6	53.7	23.7	35.8
R91-429	24.4	54.1	27.4	28.9	47.7	23.1	34.3
S92-1403	28.5	44.1	29.3	21.9	48.7	23.7	32.7
TN89-39	28.3	56.1	29.3	24.8	48.1	25.8	35.4
TN90-91	18.1	53.3	27.1	29.2	44.5	23.8	32.7
V90-1012	20.1	57.0	30.0	18.6	51.9	25.4	33.8
L.S.D. (0.05	4.5	7.9	5.7	6.8	6.9	2.1	.
C.V. (%)	11.5	9.0	12.3	16.8	8.7	5.1	.

TABLE 21 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	BELLE		BIX-	CAL-	KEI-	KNOX-	MAR-			PINE	PITTS-	PLY-	POR-	POR-	PRINCE-	QUEENS-	STARK-	STONE-	STUTT-	WAL-		WAR-	MEAN
	ATHENS	MINA	BY	HOUN	SER	VILLE	TIN	MCCUNE	ORANGE	TREE	BURG	MOUTH	VILLE	VILLE	TON	TOWN	VILLE	VILLE	GART	ULLIN	NUT	SAW	
	GA	AL	OK	GA	AR	TN	TN	KS	VA	AR	KS	VA	MO(A)	MO(B)	KY	MD	MS(B)	MS	AR	IL	KS	VA	
OIL PERCENTAGE																							
HUTCHESON	21.0	20.4	.	.	21.0	21.1	20.6	.	23.0	.	20.6	21.2	19.7	.	21.3	20.9	20.5	20.5	21.8	21.7	.	21.8	21.1
MANOKIN	21.5	21.2	.	.	20.5	21.7	20.1	.	22.6	.	20.6	20.7	18.5	.	20.0	20.8	19.5	20.6	21.3	20.9	.	21.2	20.7
D91-4619	20.3	19.5	.	.	19.3	20.0	18.9	.	21.9	.	18.9	20.1	18.2	.	19.2	19.9	18.9	19.6	20.3	19.6	.	20.2	19.7
K1267	21.3	20.7	.	.	20.6	21.6	.	.	22.8	.	20.5	21.1	20.4	.	20.2	20.6	20.3	21.3	21.6	21.8	.	21.6	21.1
K1276	21.6	21.0	.	.	21.7	21.7	20.2	.	22.5	.	20.7	21.0	20.2	.	21.2	21.2	20.4	21.9	21.9	21.7	.	21.7	21.3
K1277	21.3	21.2	.	.	21.3	21.8	20.9	.	23.2	.	20.7	21.7	20.8	.	20.5	21.1	20.6	21.2	21.3	21.6	.	21.2	21.3
N90-516	20.8	20.6	.	.	20.4	21.6	19.7	.	22.5	.	20.4	20.2	18.9	.	19.7	20.6	20.2	21.3	20.6	21.3	.	20.9	20.6
OK88-5420	20.8	21.1	.	.	20.4	21.2	19.9	.	22.1	.	20.0	20.4	19.3	.	20.7	19.9	18.8	20.5	20.3	20.7	.	20.9	20.4
S88-1854	21.0	20.0	.	.	20.5	21.4	20.2	.	22.4	.	20.2	20.9	19.9	.	20.0	21.1	19.8	21.4	21.2	21.3	.	21.6	20.8
S91-1661	20.3	20.4	.	.	19.0	20.7	18.6	.	21.8	.	18.4	19.8	18.8	.	18.6	19.8	19.1	20.2	20.0	19.8	.	20.6	19.7
V89-805	21.3	20.6	.	.	21.0	21.1	20.4	.	22.4	.	20.0	21.0	19.2	.	20.2	20.7	20.4	21.5	21.1	21.2	.	21.6	20.9
K1308	21.1	21.6	.	.	20.9	21.2	19.6	.	22.5	.	20.7	20.9	19.3	.	19.2	20.4	20.2	21.3	21.3	20.9	.	21.1	20.8
K1309	20.9	21.1	.	.	20.4	21.3	19.4	.	22.3	.	20.0	20.6	18.9	.	18.7	20.0	19.6	20.7	20.4	20.5	.	20.3	20.3
KY91-11114	20.7	21.4	.	.	20.4	21.6	20.4	.	22.6	.	20.8	20.9	19.9	.	20.5	21.2	20.4	20.8	20.6	20.9	.	21.5	20.9
N92-189	21.2	21.7	.	.	21.4	22.1	19.5	.	22.9	.	20.8	20.9	19.3	.	20.2	20.7	20.9	22.2	20.9	21.0	.	20.9	21.0
OK89-5602	20.4	20.6	.	.	20.2	21.3	20.1	.	22.5	.	19.8	20.9	19.4	.	20.3	20.8	19.3	20.9	20.1	20.7	.	21.2	20.5
R90-515	20.7	19.7	.	.	20.0	21.2	20.2	.	22.5	.	19.6	20.6	19.4	.	20.2	20.3	19.7	21.1	20.4	20.9	.	21.0	20.5
R91-429	20.4	19.2	.	.	20.5	20.8	18.9	.	21.7	.	19.9	19.9	19.1	.	20.0	20.5	19.7	20.4	20.5	20.5	.	21.2	20.2
S92-1403	20.4	19.5	.	.	18.8	20.5	18.6	.	20.9	.	18.8	19.8	18.4	.	18.8	20.0	20.7	19.9	19.3	19.0	.	20.5	19.6
TN89-39	20.4	19.3	.	.	19.7	20.5	19.1	.	21.3	.	19.4	20.0	.	.	19.7	19.4	19.5	20.7	19.6	19.8	.	21.6	20.0
TN90-91	20.8	20.8	.	.	19.9	21.3	19.3	.	22.3	.	20.1	20.2	19.0	.	19.2	19.8	19.4	20.7	19.9	20.3	.	20.4	20.2
V90-1012	21.5	20.6	.	.	21.3	21.9	20.4	.	23.1	.	20.6	20.3	19.9	.	20.4	19.4	18.8	21.6	21.4	21.7	.	21.6	20.9
PROTEIN PERCENTAGE																							
HUTCHESON	43.3	45.6	.	.	40.6	41.4	41.7	.	37.6	.	40.2	40.6	41.3	.	40.5	39.9	46.9	41.3	41.2	39.2	.	40.2	41.3
MANOKIN	42.6	45.3	.	.	40.8	41.4	42.2	.	34.4	.	37.4	40.0	43.3	.	39.8	39.0	48.3	44.6	41.8	38.1	.	39.2	41.1
D91-4619	45.7	45.8	.	.	44.9	43.6	44.2	.	33.4	.	42.6	44.1	44.2	.	41.2	41.5	51.2	47.1	45.3	40.7	.	41.7	43.6
K1267	42.2	44.4	.	.	41.0	41.2	.	.	35.3	.	40.1	40.2	40.1	.	40.8	39.2	47.4	42.7	41.2	38.9	.	40.4	41.0
K1276	42.7	43.9	.	.	41.1	40.5	41.5	.	35.6	.	39.1	40.2	41.1	.	39.4	39.4	46.0	40.8	40.7	39.5	.	40.0	40.7
K1277	43.2	44.6	.	.	40.9	40.5	40.7	.	35.0	.	40.5	41.1	39.6	.	39.6	40.2	47.1	42.0	40.8	38.7	.	40.4	40.9
N90-516	44.7	43.5	.	.	40.4	39.7	42.3	.	35.1	.	38.5	40.0	42.1	.	41.1	38.9	47.4	41.7	41.4	37.9	.	40.7	41.0
OK88-5420	43.1	42.1	.	.	41.9	40.1	43.0	.	35.7	.	41.2	40.9	42.9	.	39.7	40.4	48.2	42.7	42.1	40.0	.	40.8	41.6
S88-1854	43.3	46.3	.	.	42.4	41.4	41.9	.	34.6	.	40.0	40.3	41.5	.	40.7	40.2	47.9	43.2	41.9	39.5	.	40.9	41.6
S91-1661	41.8	42.4	.	.	40.6	41.1	41.5	.	34.9	.	39.1	40.6	41.9	.	40.5	37.6	47.9	42.7	41.8	37.7	.	39.5	40.7
V89-805	41.4	44.1	.	.	40.7	41.0	42.5	.	35.2	.	40.7	40.6	41.8	.	41.2	39.5	45.4	41.3	41.2	38.4	.	40.0	40.9
K1308	41.9	42.3	.	.	40.8	40.8	42.3	.	34.5	.	40.2	40.4	42.1	.	42.3	38.9	44.3	42.6	41.4	38.3	.	39.5	40.8
K1309	42.1	42.2	.	.	40.8	39.2	42.0	.	33.3	.	40.9	39.2	42.7	.	43.2	39.8	44.4	41.4	41.0	40.1	.	41.1	40.8
KY91-11114	44.1	45.7	.	.	43.2	42.3	42.9	.	37.6	.	41.1	42.6	41.9	.	41.5	41.0	47.8	44.9	43.4	40.5	.	41.8	42.6
N92-189	42.2	43.7	.	.	40.2	39.5	43.3	.	35.1	.	40.4	39.4	42.4	.	41.3	39.1	44.3	42.2	41.6	39.3	.	41.1	40.9
OK89-5602	47.2	44.3	.	.	44.4	42.5	44.3	.	36.0	.	44.4	43.2	45.0	.	43.6	41.8	49.5	44.0	45.3	41.9	.	43.2	43.8
R90-515	43.2	44.8	.	.	41.8	40.0	42.0	.	35.2	.	39.9	40.6	42.0	.	41.1	40.0	47.8	42.9	42.2	37.5	.	39.9	41.3
R91-429	42.6	44.2	.	.	41.0	40.7	41.4	.	32.0	.	38.6	40.8	41.4	.	39.1	38.5	48.0	42.8	42.6	37.2	.	39.1	40.6
S92-1403	43.9	45.6	.	.	42.6	42.3	43.3	.	32.9	.	40.2	42.6	44.0	.	41.5	39.1	46.6	45.5	44.4	38.7	.	40.7	42.1
TN89-39	44.1	46.1	.	.	42.1	42.9	42.9	.	36.0	.	39.4	41.1	.	.	40.8	38.6	47.1	43.5	42.7	40.0	.	40.4	41.8
TN90-91	43.5	45.8	.	.	41.7	42.2	44.3	.	36.3	.	40.9	41.0	43.9	.	42.1	40.5	47.4	43.9	42.3	39.9	.	41.7	42.3
V90-1012	43.2	45.5	.	.	41.2	41.4	42.8	.	34.6	.	42.6	40.2	43.2	.	41.6	38.5	49.2	41.9	41.9	39.5	.	40.7	41.8

TABLE 21 - Continued.

STRAIN/ VARIETY	BELLE		CAL-		KEI-	KNOX-		PINE		PITTS-	PLY-	POR-	POR-	PRINCE-	QUEENS-	STARK-	STONE-	STUTT-	ULLIN	WALNUT	WARSAW	MEAN
	ATHENS GA	MINA AL	BIXBY OK	HOUN GA	SER AR	VILLE TN	MCCUNE KS	ORANGE VA	TREE AR	BURG KS	MOUTH NC	TAGE- VILLE MO(A)	TAGE- VILLE MO(B)	TON KY	TOWN MD	VILLE MS(B)	VILLE MS	GART AR	IL	KS	VA	
	GRAMS PER 100 SEED																					
HUTCHESON	17.2	12.3	12.7	14.8	12.9	12.5	11.5	14.9	14.1	13.4	14.6	11.0	11.3	13.7	13.7	11.8	12.5	14.3	13.3	12.0	14.1	13.3
MANOKIN	15.0	12.1	12.5	13.7	11.3	11.9	11.3	12.2	11.2	12.0	14.0	9.2	10.2	10.8	11.3	12.0	11.4	12.3	10.8	10.7	12.4	11.9
D91-4619	14.3	11.1	11.7	13.3	11.6	11.9	10.6	12.1	10.8	11.4	13.0	9.2	10.4	11.2	13.4	10.4	9.6	11.7	11.7	10.8	13.1	11.5
K1267	16.8	11.6	13.0	14.8	12.3	11.6	13.9	14.3	13.6	13.1	14.8	11.6	11.3	13.4	12.3	10.8	12.1	14.7	13.5	11.7	14.6	13.1
K1276	16.4	11.4	12.6	14.4	11.8	10.9	11.8	12.3	11.8	12.2	14.0	9.0	10.1	11.8	13.0	9.6	12.1	13.3	12.5	11.5	12.8	12.2
K1277	18.1	12.4	16.9	14.6	13.7	12.1	13.3	15.1	14.9	14.2	15.9	12.4	11.8	13.3	13.9	9.2	12.4	14.3	14.8	13.2	15.1	13.8
N90-516	17.6	13.9	13.0	15.0	13.2	12.2	11.7	15.0	13.8	12.7	14.1	10.5	11.4	11.9	11.7	10.6	12.8	14.3	13.0	11.4	12.6	12.9
OK88-5420	16.3	13.5	15.6	15.4	14.0	12.4	13.4	12.5	13.6	14.0	14.8	11.1	12.2	12.2	14.7	9.7	13.0	14.3	13.7	12.5	15.0	13.5
S88-1854	16.6	11.3	14.3	13.7	12.6	11.8	12.8	13.2	13.3	13.5	13.6	10.9	11.4	12.1	13.0	10.0	11.5	14.0	12.9	12.0	14.5	12.9
S91-1661	15.2	11.6	13.7	14.4	11.5	11.4	12.0	14.2	12.4	11.9	15.3	11.1	11.5	13.6	13.6	10.7	12.1	13.7	12.8	10.6	15.6	12.7
V89-805	15.1	12.3	12.7	13.4	11.5	12.1	11.1	13.1	13.0	12.9	14.7	9.3	10.3	10.6	11.5	11.7	13.2	13.3	12.2	11.1	12.8	12.3
K1308	14.7	11.6	11.5	12.7	11.2	10.0	10.9	12.6	11.3	11.9	13.9	9.5	9.5	9.9	10.4	9.4	11.1	12.3	10.8	10.6	11.8	11.3
K1309	14.8	11.3	11.1	12.9	10.6	9.7	10.1	10.7	10.6	10.8	12.9	8.7	9.4	8.7	9.6	8.8	11.9	12.0	9.6	10.1	10.1	10.7
KY91-11114	16.4	14.0	14.3	15.2	12.8	13.4	12.6	14.4	13.6	13.2	14.4	11.8	11.9	14.1	13.1	12.1	12.7	14.0	13.7	12.5	15.0	13.6
N92-189	18.3	14.8	13.9	15.8	13.5	13.9	11.6	14.7	13.7	12.8	14.7	11.0	12.1	12.9	13.5	12.3	14.6	15.0	12.1	11.4	14.1	13.6
OK89-5602	16.2	12.3	14.3	14.7	12.1	11.9	11.4	12.8	12.1	13.4	14.4	10.1	10.5	11.4	12.9	10.6	11.6	13.3	12.1	11.6	14.2	12.5
R90-515	16.8	11.4	14.9	16.3	12.1	12.0	11.6	14.2	13.0	14.1	14.8	11.1	11.4	13.1	16.0	9.9	11.6	13.0	13.0	12.0	16.3	13.3
R91-429	16.2	11.6	14.3	14.6	12.0	11.6	11.9	11.4	11.9	12.6	14.0	11.4	11.6	13.1	14.3	9.8	11.4	14.3	13.3	11.4	16.4	12.8
S92-1403	15.2	10.5	12.2	12.9	10.4	10.5	10.9	12.2	11.0	11.1	13.8	10.2	9.8	12.4	11.7	10.0	10.7	12.0	11.1	10.0	13.7	11.4
TN89-39	15.7	11.5	13.4	15.2	11.9	11.9	11.5	13.0	11.7	12.8	13.1	.	.	13.4	13.4	9.4	14.1	12.3	13.2	11.5	15.0	12.8
TN90-91	16.0	15.6	12.9	14.5	11.7	12.0	10.9	12.8	11.6	12.6	13.6	10.1	10.5	10.4	13.1	11.2	11.7	12.3	11.8	11.3	12.8	12.3
V90-1012	18.7	13.1	14.1	15.5	13.1	13.5	12.6	13.8	14.3	13.4	15.1	10.4	11.4	10.1	15.1	11.0	12.7	14.3	13.7	12.0	13.2	13.4

TABLE 22 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN HUTCHESON FOR VARIETY IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	EAST COAST			
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	MEAN
HUTCHESON	10/19	10/25	10/16	10/20
MANOKIN	-3	-12	-7	-7
D91-4619	-3	0	0	-1
K1267	-3	2	5	1
K1276	-3	-1	-5	-3
K1277	4	1	6	4
N90-516	-3	-7	-9	-6
OK88-5420	1	-5	0	-1
S88-1854	-3	1	0	-1
S91-1661	1	1	2	1
V89-805	-3	-9	-6	-6
K1308	-3	-11	-8	-7
K1309	-3	-14	-10	-9
KY91-11114	-3	1	0	-1
N92-189	-3	-12	-8	-8
OK89-5602	-3	-5	-3	-3
R90-515	-3	2	3	0
R91-429	-3	0	2	0
S92-1403	1	-5	1	-1
TN89-39	-3	-1	2	-1
TN90-91	-3	-14	-10	-9
V90-1012	-3	0	-6	-3

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH										
	ATHENS GA	BATON ROUGE LA	BELLE MINA AL	CAL- HOUN GA	KNOX- VILLE TN	MARTIN TN	ORANGE VA	PRINCE- TON KY	STARK- VILLE MS	ULLIN IL	MEAN
HUTCHESON	09/30	10/06	09/27	10/07	09/30	10/10	10/12	10/10	09/16	10/13	10/04
MANOKIN	-8	-1	-9	-5	-4	-4	-6	-3	-1	-6	-5
D91-4619	-3	-1	-1	-2	1	-4	-2	1	3	2	0
K1267	1	-2	-2	-3	2	.	-1	0	1	2	-1
K1276	1	-3	-6	-5	-1	-4	-3	-2	-6	2	-3
K1277	2	-4	0	1	0	0	1	2	3	2	1
N90-516	-2	0	-12	-5	-2	-4	-2	-2	-5	-2	-3
OK88-5420	-2	-4	-1	0	0	-4	0	0	3	4	0
S88-1854	0	-1	-3	0	-1	-4	-1	2	1	1	0
S91-1661	0	-3	-6	1	-1	0	1	2	4	3	0
V89-805	-5	-7	-12	-2	-5	-4	-4	-4	-5	-3	-5
K1308	1	-4	-12	-5	-4	-4	-3	-4	-7	-3	-4
K1309	-5	-3	-12	-4	-7	0	-5	-6	-6	-5	-5
KY91-11114	1	-1	0	-4	0	0	-7	4	-5	2	-1
N92-189	-4	-3	-12	-2	0	-4	-7	-4	-2	-5	-4
OK89-5602	-2	.	-4	-3	-2	0	-1	-1	-2	0	-2
R90-515	2	0	1	-2	3	0	0	4	4	3	2
R91-429	-1	-3	-1	-1	1	-4	0	2	7	4	1
S92-1403	0	-2	-7	0	-1	-4	0	2	3	3	-1
TN89-39	1	-5	-4	0	1	-4	0	0	1	4	0
TN90-91	-7	-5	-12	-5	-7	-4	-5	-6	-4	-2	-5
V90-1012	-1	-4	-4	-2	0	-4	-4	-4	-4	-2	-3

TABLE 22 - (Continued).

DELTA						
STRAIN/ VARIETY	KEISER AR	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS (B)	MEAN
HUTCHESON	10/07	10/04	10/11	10/12	09/19	10/05
MANOKIN	-4	-5	-12	-8	-8	-8
D91-4619	0	3	-1	2	-1	0
K1267	2	0	-5	0	2	-1
K1276	-3	-5	-9	0	-4	-5
K1277	-1	5	-1	2	2	1
N90-516	-3	0	-7	-4	-5	-4
OK88-5420	2	5	-6	-2	-3	-1
S88-1854	-1	0	1	1	0	0
S91-1661	1	0	0	-1	0	0
V89-805	-4	0	-8	-3	-1	-4
K1308	-3	-3	-11	-5	-6	-6
K1309	-4	-5	-12	-7	-6	-7
KY91-11114	1	7	-2	2	1	1
N92-189	-3	0	-11	-6	-7	-6
OK89-5602	0	-3	-7	-3	-2	-3
R90-515	3	10	2	5	0	4
R91-429	4	10	5	6	0	5
S92-1403	2	8	-1	-1	-1	1
TN89-39	0	3	.	.	0	-4
TN90-91	-8	-5	-12	-8	-7	-8
V90-1012	-2	-5	-3	-2	-1	-3

WEST	
STRAIN/ VARIETY	STUTTGART AR
HUTCHESON	09/30
MANOKIN	0
D91-4619	1
K1267	2
K1276	0
K1277	2
N90-516	0
OK88-5420	1
S88-1854	0
S91-1661	1
V89-805	0
K1308	0
K1309	0
KY91-11114	3
N92-189	0
OK89-5602	0
R90-515	4
R91-429	3
S92-1403	2
TN89-39	1
TN90-91	0
V90-1012	0

TABLE 23 - PLANT HEIGHT FOR STRAIN/VARIETY IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	EAST				MEAN
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA		
HUTCHESON	23	24	26		24
MANOKIN	25	24	27		25
D91-4619	33	29	29		30
K1267	35	28	30		31
K1276	20	25	25		23
K1277	37	30	33		33
N90-516	24	28	26		26
OK88-5420	24	28	30		28
S88-1854	21	27	26		25
S91-1661	27	34	37		33
V89-805	25	31	32		29
K1308	18	26	30		25
K1309	17	25	23		21
KY91-11114	34	28	30		31
N92-189	19	27	24		23
OK89-5602	21	26	26		24
R90-515	28	30	33		30
R91-429	27	31	31		30
S92-1403	23	33	32		29
TN89-39	21	32	31		28
TN90-91	21	25	22		23
V90-1012	26	24	29		26

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH										MEAN
	ATHENS GA	BATON ROUGE LA	BELLE MINA AL	CAL- HOUN GA	KNOX- VILLE TN	MAR- TIN TN	ORANGE VA	PRINCE- TON KY	STARK- VILLE TN	ULLIN IL	
HUTCHESON	31	45	30	31	31	34	33	29	20	26	31
MANOKIN	25	30	31	32	32	31	32	30	18	27	29
D91-4619	35	30	34	36	37	29	39	34	26	34	33
K1267	39	30	34	39	38	.	43	32	32	34	36
K1276	26	22	29	34	30	33	31	30	21	26	28
K1277	42	44	36	41	38	48	39	45	35	35	40
N90-516	30	31	31	34	31	32	36	30	23	32	31
OK88-5420	30	26	33	33	32	34	37	30	23	27	31
S88-1854	33	26	33	32	31	37	40	35	25	31	32
S91-1661	37	33	35	39	41	37	43	40	27	36	37
V89-805	33	27	34	35	34	36	40	31	23	25	32
K1308	29	28	31	36	34	36	35	35	20	31	31
K1309	25	21	28	33	27	31	32	26	21	25	27
KY91-11114	31	37	32	34	24	46	35	39	28	39	34
N92-189	27	33	29	34	30	35	34	29	20	28	30
OK89-5602	27	27	31	35	29	35	33	29	19	27	29
R90-515	34	33	36	38	40	36	42	30	26	34	35
R91-429	35	36	36	40	38	31	41	33	28	36	35
S92-1403	32	29	36	38	35	36	41	34	23	33	34
TN89-39	31	26	35	39	35	36	39	32	24	32	33
TN90-91	25	21	33	32	30	34	33	27	20	27	28
V90-1012	30	31	34	38	30	36	40	32	22	32	32

TABLE 23 - (Continued).

STRAIN/ VARIETY	DELTA					MEAN
	KEISER AR	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS	
HUTCHESON	34	31	32	28	18	29
MANOKIN	32	25	22	26	19	25
D91-4619	34	35	31	32	25	31
K1267	41	35	45	39	40	40
K1276	32	29	24	27	15	25
K1277	51	43	47	39	45	45
N90-516	32	35	28	27	19	28
OK88-5420	34	34	29	32	20	30
S88-1854	38	35	33	33	23	32
S91-1661	40	37	37	39	24	35
V89-805	36	36	29	29	19	30
K1308	33	30	32	30	19	29
K1309	31	27	18	21	17	23
KY91-11114	46	39	42	34	27	37
N92-189	30	29	26	29	19	27
OK89-5602	31	29	25	32	15	26
R90-515	38	38	34	36	25	34
R91-429	32	33	34	38	21	32
S92-1403	35	35	32	36	23	32
TN89-39	33	35	.	.	22	30
TN90-91	31	31	27	31	23	29
V90-1012	36	36	30	31	21	31

STRAIN/ VARIETY	WEST						MEAN
	BIXBY OK	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	WALNUT KS	
HUTCHESON	17	18	21	23	20	25	21
MANOKIN	20	18	23	27	16	27	22
D91-4619	22	28	30	31	27	31	28
K1267	20	41	27	25	35	29	30
K1276	20	18	25	25	20	26	22
K1277	20	41	29	25	41	30	31
N90-516	17	19	27	26	22	28	23
OK88-5420	23	21	28	28	21	28	25
S88-1854	16	20	28	26	26	28	24
S91-1661	22	24	35	37	32	36	31
V89-805	20	21	26	28	28	29	25
K1308	22	21	24	25	22	28	24
K1309	20	18	23	23	14	27	21
KY91-11114	24	32	26	26	35	27	28
N92-189	24	18	25	23	20	27	23
OK89-5602	21	17	23	26	21	25	22
R90-515	24	30	29	32	32	32	30
R91-429	25	23	27	30	30	29	27
S92-1403	24	22	29	31	24	32	27
TN89-39	24	24	29	29	26	31	27
TN90-91	20	20	23	26	18	24	22
V90-1012	18	21	25	25	24	28	24

TABLE 24 - LODGING SCORES FOR STRAIN/VARIETY IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	EAST			MEAN
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
HUTCHESON	2.7	1.5	1.0	1.7
MANOKIN	2.7	2.2	1.3	2.1
D91-4619	3.0	2.7	2.0	2.6
K1267	3.0	1.5	1.3	1.9
K1276	2.3	1.7	1.3	1.8
K1277	3.0	1.8	1.5	2.1
N90-516	2.7	1.8	1.2	1.9
OK88-5420	2.3	2.0	1.3	1.9
S88-1854	2.0	1.5	1.2	1.6
S91-1661	2.7	2.3	1.8	2.3
V89-805	2.0	2.0	1.5	1.8
K1308	2.0	1.8	1.5	1.8
K1309	2.3	2.0	1.0	1.8
KY91-11114	2.7	1.7	1.3	1.9
N92-189	2.3	2.0	1.0	1.8
OK89-5602	2.3	1.8	1.5	1.9
R90-515	3.0	2.5	2.2	2.6
R91-429	3.0	2.3	1.3	2.2
S92-1403	2.3	2.2	1.7	2.1
TN89-39	2.3	1.8	1.5	1.9
TN90-91	2.0	1.7	1.3	1.7
V90-1012	2.0	1.7	1.3	1.7

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH										MEAN
	ATHENS GA	BATON ROUGE LA	BELLE MINA AL	CAL- HOUN GA	KNOX- VILLE TN	MARTIN TN	ORANGE VA	PRINCE- TON KY	STARK- VILLE MS	ULLIN IL	
HUTCHESON	1.7	3.0	2.0	1.0	1.5	1	1.0	1	1.0	1.0	1.4
MANOKIN	2.2	1.5	3.0	1.8	2.0	3	1.3	1	2.0	1.3	1.9
D91-4619	3.2	1.5	2.7	1.8	3.8	3	2.3	1	2.0	3.2	2.5
K1267	1.5	1.5	2.3	1.0	1.3	.	1.0	1	2.0	1.0	1.4
K1276	1.2	1.0	1.0	1.0	1.7	.	1.0	1	1.0	1.0	1.0
K1277	2.0	2.5	2.0	1.3	1.3	1	1.0	1	2.0	1.0	1.5
N90-516	2.3	1.0	2.0	1.7	2.7	1	1.0	1	2.0	1.0	1.6
OK88-5420	1.8	1.0	2.0	1.3	2.3	1	1.7	1	2.0	1.2	1.5
S88-1854	1.5	1.0	2.3	1.0	1.5	.	1.7	1	2.0	1.2	1.3
S91-1661	2.7	2.0	2.7	1.5	2.5	3	1.7	1	2.0	1.3	2.0
V89-805	1.5	1.0	2.3	1.0	2.0	2	1.0	1	2.0	1.0	1.5
K1308	1.4	1.0	2.0	1.3	1.7	2	1.0	1	1.0	1.2	1.4
K1309	1.0	1.0	1.3	1.2	1.2	1	1.3	1	1.0	1.0	1.1
KY91-11114	1.3	2.0	1.7	1.0	1.3	.	1.0	1	1.0	2.0	1.2
N92-189	1.3	1.0	2.0	1.3	1.7	1	1.0	1	1.0	1.0	1.2
OK89-5602	1.7	1.0	1.7	1.2	2.0	2	1.0	1	1.0	1.0	1.4
R90-515	3.0	1.0	2.0	1.2	3.0	2	1.3	1	2.0	1.2	1.8
R91-429	3.3	2.0	2.3	1.3	2.5	2	2.0	1	2.0	1.0	2.0
S92-1403	3.0	1.0	2.7	1.3	3.3	4	2.0	1	2.0	1.3	2.2
TN89-39	1.5	1.0	1.7	1.2	2.0	.	1.3	1	2.0	1.0	1.3
TN90-91	1.2	1.0	2.3	1.3	1.8	2	1.0	1	1.0	1.3	1.4
V90-1012	1.3	1.0	2.7	1.3	2.0	2	1.7	1	1.7	1.3	1.6

TABLE 24 - (Continued).

DELTA						
STRAIN/ VARIETY	KEISER AR	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS (B)	MEAN
HUTCHESON	1.0	2.0	1.5	1.0	1.3	1.4
MANOKIN	1.7	2.0	1.5	1.0	1.0	1.4
D91-4619	2.0	2.7	2.0	2.0	2.0	2.1
K1267	2.0	3.3	1.5	2.0	3.0	2.4
K1276	1.0	1.3	1.0	1.0	1.0	1.1
K1277	2.0	3.7	2.0	2.0	2.7	2.5
N90-516	1.0	2.3	1.0	1.0	1.7	1.4
OK88-5420	1.7	2.3	1.5	2.0	1.3	1.8
S88-1854	1.3	1.3	1.5	1.0	1.3	1.3
S91-1661	2.0	2.0	2.0	1.0	1.3	1.7
V89-805	1.0	2.0	1.5	1.5	1.0	1.4
K1308	1.0	1.3	1.5	1.0	1.7	1.3
K1309	1.0	1.7	1.0	1.0	1.0	1.1
KY91-11114	2.0	2.3	1.0	1.5	1.7	1.7
N92-189	1.0	1.3	1.0	1.0	1.0	1.1
OK89-5602	1.0	2.0	1.0	2.0	1.0	1.4
R90-515	2.0	2.3	1.5	2.0	1.7	1.9
R91-429	1.3	1.7	1.5	1.5	2.0	1.6
S92-1403	1.7	1.7	2.0	1.5	1.0	1.6
TN89-39	1.3	2.0	.	.	1.3	1.6
TN90-91	1.0	2.3	2.0	1.0	1.0	1.5
V90-1012	1.0	2.0	1.0	1.5	1.3	1.4

WEST					
STRAIN/ VARIETY	MCCUNE KS	PITTSBURG KS	STUTTGART AR	WALNUT KS	MEAN
HUTCHESON	1	1	1.0	1	1.0
MANOKIN	1	1	1.7	1	1.2
D91-4619	1	1	1.3	1	1.1
K1267	1	1	2.0	1	1.3
K1276	1	1	1.0	1	1.0
K1277	1	1	2.3	1	1.3
N90-516	1	1	1.0	1	1.0
OK88-5420	1	1	1.0	1	1.0
S88-1854	1	1	1.0	1	1.0
S91-1661	1	1	1.0	1	1.0
V89-805	1	1	1.0	1	1.0
K1308	1	1	1.0	1	1.0
K1309	1	1	1.0	1	1.0
KY91-11114	1	1	1.0	1	1.0
N92-189	1	1	1.0	1	1.0
OK89-5602	1	1	1.0	1	1.0
R90-515	1	1	1.3	1	1.1
R91-429	1	1	1.3	1	1.1
S92-1403	1	1	1.0	1	1.0
TN89-39	1	1	1.3	1	1.1
TN90-91	1	1	1.3	1	1.1
V90-1012	1	1	1.0	1	1.0

TABLE 25 - SEED QUALITY FOR STRAIN/VARIETY IN UNIFORM GROUP V, 1995.

STRAIN/ VARIETY	EAST COAST			MEAN
	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
HUTCHESON	2	3.0	1.4	2.1
MANOKIN	2	3.2	1.9	2.4
D91-4619	2	1.5	1.5	1.7
K1267	2	2.8	2.2	2.4
K1276	2	2.8	1.5	2.1
K1277	2	2.8	2.5	2.4
N90-516	2	3.0	1.6	2.2
OK88-5420	2	3.0	1.9	2.3
S88-1854	2	2.5	2.0	2.2
S91-1661	2	2.0	1.9	2.0
V89-805	2	3.0	2.1	2.4
K1308	2	2.5	1.9	2.1
K1309	2	1.5	1.5	1.7
KY91-11114	2	1.8	2.2	2.0
N92-189	2	1.8	2.2	2.0
OK89-5602	2	2.2	1.4	1.9
R90-515	2	3.0	2.3	2.4
R91-429	2	1.8	1.9	1.9
S92-1403	2	2.0	1.9	2.0
TN89-39	2	1.8	1.6	1.8
TN90-91	2	2.5	1.6	2.0
V90-1012	2	2.2	1.6	1.9

STRAIN/ VARIETY	UPPER AND CENTRAL SOUTH										MEAN
	ATHENS GA	BATON ROUGE LA	BELLE MINA AL	CAL- HOUN GA	KNOX- VILLE TN	MARTIN TN	ORANGE VA	PRINCE- TON KY	STARK- VILLE MS	ULLIN IL	
HUTCHESON	1.7	1.9	1.5	1.3	2.0	2	1.0	1	1.3	1	1.5
MANOKIN	1.7	2.5	1.5	3.0	3.0	2	2.7	2	2.7	1	2.2
D91-4619	1.5	1.9	1.5	2.3	2.0	2	1.3	1	1.7	1	1.6
K1267	2.3	.	3.0	2.2	2.5	.	1.0	1	2.3	1	1.9
K1276	1.8	1.5	1.5	1.8	2.0	2	1.0	2	2.0	1	1.7
K1277	2.2	2.0	3.0	2.2	2.5	2	1.0	1	2.3	1	1.9
N90-516	2.3	1.5	1.5	2.7	2.0	2	1.3	1	2.0	1	1.7
OK88-5420	2.2	2.2	2.0	1.7	2.5	2	1.0	3	2.7	1	2.0
S88-1854	1.7	1.8	1.5	2.0	2.0	1	1.0	2	2.0	1	1.6
S91-1661	1.7	2.4	1.5	2.8	3.0	2	3.0	3	2.3	1	2.3
V89-805	1.7	2.0	1.0	1.8	2.0	2	1.3	2	2.0	1	1.7
K1308	1.5	2.5	1.5	2.5	2.5	3	1.7	1	1.7	1	1.9
K1309	1.8	1.8	1.5	2.8	2.0	2	1.0	1	1.7	1	1.7
KY91-11114	2.5	2.0	4.0	3.5	4.5	3	1.7	2	3.3	1	2.8
N92-189	2.0	1.8	1.0	2.7	2.5	2	1.3	3	2.0	1	1.9
OK89-5602	1.5	2.5	1.0	1.5	2.5	2	1.0	1	1.7	1	1.6
R90-515	2.2	2.3	1.5	2.3	3.0	2	1.3	3	2.3	1	2.1
R91-429	1.5	2.0	1.5	2.5	3.0	2	1.0	1	3.0	1	1.9
S92-1403	1.7	2.4	2.0	3.0	2.5	3	2.0	2	1.3	1	2.1
TN89-39	2.0	1.8	1.0	1.5	2.5	2	1.3	2	2.7	1	1.8
TN90-91	2.2	1.7	1.5	3.3	2.0	2	1.3	2	2.3	1	1.9
V90-1012	1.8	1.8	1.5	2.2	2.5	2	1.3	1	2.0	1	1.7

TABLE 25 - (Continued).

DELTA					
STRAIN/ VARIETY	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	STONEVILLE MS (B)	MEAN
HUTCHESON	1.3	1.5	1.5	2.0	1.6
MANOKIN	1.0	1.5	1.0	3.0	1.6
D91-4619	1.0	2.0	1.5	2.0	1.6
K1267	1.0	1.5	2.0	3.0	1.9
K1276	1.0	2.0	1.5	2.0	1.6
K1277	1.7	2.0	1.5	3.0	2.0
N90-516	2.0	1.5	1.5	2.0	1.8
OK88-5420	2.0	1.5	2.0	2.0	1.9
S88-1854	1.0	2.0	1.5	2.0	1.6
S91-1661	2.0	2.0	2.0	2.0	2.0
V89-805	1.3	1.5	1.5	2.0	1.6
K1308	1.0	1.0	1.0	2.0	1.3
K1309	1.0	1.0	1.5	3.0	1.6
KY91-11114	1.0	2.0	2.0	3.0	2.0
N92-189	1.0	1.5	1.5	3.0	1.8
OK89-5602	1.0	1.5	1.5	2.0	1.5
R90-515	1.0	1.5	1.5	2.0	1.5
R91-429	1.3	2.0	1.5	2.0	1.7
S92-1403	1.0	2.0	1.5	2.0	1.6
TN89-39	1.3	.	.	2.3	1.8
TN90-91	1.3	1.5	1.5	2.7	1.8
V90-1012	1.0	1.5	1.5	2.0	1.5

WEST					
STRAIN/ VARIETY	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	WALNUT KS	MEAN
HUTCHESON	1.3	2	2	2	1.8
MANOKIN	2.0	2	2	3	2.3
D91-4619	2.3	2	1	3	2.1
K1267	2.0	3	2	2	2.3
K1276	1.0	2	2	3	2.0
K1277	2.0	3	2	2	2.3
N90-516	1.7	2	2	2	1.9
OK88-5420	1.7	2	2	2	1.9
S88-1854	1.7	2	2	2	1.9
S91-1661	1.0	2	2	4	2.3
V89-805	2.3	2	2	4	2.6
K1308	1.7	2	2	2	1.9
K1309	1.7	2	1	3	1.9
KY91-11114	2.3	2	2	3	2.3
N92-189	2.7	3	3	4	3.2
OK89-5602	1.0	2	1	2	1.5
R90-515	1.3	2	1	2	1.6
R91-429	1.7	2	2	3	2.2
S92-1403	2.7	2	1	2	1.9
TN89-39	1.7	2	1	2	1.7
TN90-91	1.0	2	1	2	1.5
V90-1012	1.7	3	2	1	1.9

PRELIMINARY GROUP V**1995**

Preliminary Group V nurseries were planted at 10 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 26. Table 27 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 28 - 34.

TABLE 26A - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	PARENTAGE			GENERATION COMPOSITED
1. HUTCHESON	V68-1034	X	ESSEX	F5
2. MANOKIN	L70-L3048	X	D74-7824	F5
3. D92-9779	D88-3333	X	HARTWIG	F4
4. D93-4675	D87-5963	X	D90-7278	F5
5. D93-4715	D87-5963	X	D90-7278	F5
6. D93-4953	D87-5963 (2)	X	D90-7278	F4
7. D93-5146	D87-5963 (2)	X	D90-7278	F4
8. F92-1792	PI 417479	X	F87-4017	F6
9. K1333	K82-1-48	X	TOANO	
10. K1334	K82-1-48	X	TOANO	
11. K1335	HAMILTON	X	HP5363-5-8	
12. K1336	C X 366	X	TOANO	
13. K1337	C X 366	X	TOANO	
14. LS92-0964	S82-1443	X	A5474	F6
15. LS92-1004	S82-1443	X	A5474	F6
16. LS92-1050	S82-1443	X	A5474	F6
17. LS92-1088	S82-1443	X	A5474	F6
18. LS92-1272	PHARAOH	X	AVERY	F6
19. N93-54	N85-67	X	HOLLADAY	F6
20. N93-59	N85-67	X	HOLLADAY	F6
21. N93-66	N85-67	X	HOLLADAY	F6
22. N93-453	STONEWALL	X	BRIM	F6
23. NTCPR94-5293	FORREST	X	BAY	F4
24. NTCPR94-5439	N77-179	X	FORREST	F4
25. NTCPR94-5479	N77-179	X	FORREST	F4
26. NTCPR94-5483	N77-179	X	FORREST	F4
27. NTCPR94-5491	N77-179	X	FORREST	F4

TABLE 26B - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	PARENTAGE		GENERATION COMPOSITED
1. HUTCHESON	V68-1034	X ESSEX	F5
2. MANOKIN	L70-L3048	X D74-7824	F5
3. OK91-5706	ESEX	X SOHOMA	
4. OK91-6023	ESSEX	X OKSOY	
5. R92-236	LEFLORE	X WALTERS	F5
6. R92-1294	HUTCHESON	X WALTERS	F5
7. R92-1327	HUTCHESON	X WALTERS	F5
8. S92-1069	MD83-5008	X HARTWIG	F4
9. S92-1274-3	HARTWIG	X S85-1706	F6
10. S92-1666	H 5164	X HARTWIG	F5
11. S92-1679	H 5164	X HARTWIG	F5
12. S93-1475	S85-1706	X HARTWIG	F5
13. S93-1589	A 5979	X S90-1818	F5
14. TN91SS-33	ROCKY	X VANCE	
15. TN91-86	TN83-22	X TN83-10	
16. TN92-198	HUTCHESON	X TN82-162	
17. TN92-228	V74-315	X TN82-94	
18. TN92-249	D72-8927	X TN5-85	
19. V91-0223	STAFFORD	X HUTCHESON	F5
20. V91-0964	D82-3257	X (ESSEX X D82-3298)	F4
21. V91-2909	HUTCHESON (2)	X V84-1805	F4
22. V91-2935	HUCHESON (2)	X V84-1805	F4
23. V91-3036	HUTCHESON	X V84-1790	F4
24. VS94-11	L760049	X ESSEX	F6

TABLE 28A - SEED YIELD IN BUSHELS PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KEISER AR	PITTS-		PORTAGE-		QUEENS-		STONE-		MEAN
				BURG KS	PLYMOUTH NC	VILLE MO (A)	TOWN MD	VILLE MS (B)	ULLIN IL	WARSAW VA		
HUTCHESON	26.0	41.9	56.1	27.0	53.4	35.0	27.7	53.0	45.3	62.5	42.8	
MANOKIN	19.0-	38.9	49.1-	30.9+	50.5	29.8	29.2	47.9	37.2	47.7-	38.0-	
D92-9779	25.1	34.6	51.9	22.5-	45.0-	38.1	27.3	50.8	37.4	50.6-	38.3-	
D93-4675	17.6-	34.9	47.6-	26.9	41.4-	31.6	26.9	41.2-	40.4	42.0-	35.0-	
D93-4715	25.4	28.5-	50.9	21.4-	41.5-	32.9	29.4	44.6-	42.1	47.5-	36.4-	
D93-4953	21.0-	41.2	50.9	27.5	41.3-	30.5	20.6	45.4-	38.5	41.1-	35.8-	
D93-5146	20.6-	39.5	50.2	25.1	41.2-	36.7	21.6	51.4	38.1	47.9-	37.2-	
F92-1792	26.0	38.9	53.7	24.1	44.9-	36.4	24.6	45.7-	37.0	56.4	38.8-	
K1333	22.9	41.6	58.2	27.6	47.4	28.5-	26.0	48.7	47.9	51.2-	40.0	
K1334	23.2	40.2	53.8	28.3	45.8-	33.7	26.2	50.3	34.3-	56.9	39.3-	
K1335	22.1	39.9	59.6	23.2-	49.0	31.0	31.5	48.1	33.7-	62.9	40.1	
K1336	26.3	35.7	58.6	23.7	46.7	32.7	22.0	48.8	38.7	63.2	39.6	
K1337	27.0	38.8	57.6	22.8-	51.6	32.2	19.3-	48.6	34.7-	63.0	39.5	
LS92-0964	25.5	40.7	56.4	27.1	46.3-	35.7	24.5	49.8	39.2	57.6	40.3	
LS92-1004	32.4+	45.4	55.7	26.1	48.2	34.7	21.6	54.3	35.7	53.3	40.7	
LS92-1050	23.6	42.4	53.9	25.5	43.8-	33.4	26.5	50.5	39.1	56.3	39.5	
LS92-1088	20.6-	45.5	60.7	25.9	44.4-	30.9	25.8	54.0	47.4	53.1	40.8	
LS92-1272	28.1	44.1	52.2	25.5	52.5	28.1-	25.5	52.4	38.6	52.1	39.9	
N93-54	31.0+	48.3	55.2	29.3	55.8	40.1	32.8	51.3	49.0	55.4	44.8	
N93-59	24.3	41.1	61.5	28.2	53.5	39.4	25.3	53.0	45.2	45.4-	41.7	
N93-66	26.7	46.7	57.7	31.4+	56.1	34.9	32.9	53.4	53.3	54.3	44.7	
N93-453	29.9	34.1	50.0	30.9+	48.6	38.2	27.7	41.2-	40.9	61.4	40.3	
NTCPR94-5293	20.5-	38.4	56.7	28.9	57.2	32.8	19.6	58.9	44.1	59.3	41.6	
NTCPR94-5439	27.0	40.1	60.4	26.6	47.8	40.9+	26.2	53.5	40.9	54.2	41.7	
NTCPR94-5479	30.0	38.2	62.9+	32.5+	44.1-	31.5	21.2	52.6	45.0	59.6	41.7	
NTCPR94-5483	28.9	45.2	60.1	28.9	53.8	31.4	30.0	57.6	46.0	54.7	43.7	
NTCPR94-5491	27.0	41.5	59.4	26.5	55.4	32.7	30.3	57.0	44.7	55.4	43.0	
L.S.D. (0.05)	4.2	9.1	6.2	3.4	7.1	5.7	8.2	6.8	10.5	10.6	3.4	
C.V. (%)	10.2	10.9	5.5	6.1	7.1	8.1	15.3	6.6	12.4	9.5	9.5	

TABLE 28B - SEED YIELD IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KEISER AR	PITTS-		PORTAGE-		QUEENS-		STONE-		MEAN
				BURG KS	PLYMOUTH NC	VILLE MO (A)	TOWN MD†	VILLE MS (B)	ULLIN IL	WARSAW VA		
HUTCHESON	33.1	45.7	60.8	30.0	50.1	39.7	36.7	56.3	45.1	52.8	45.9	
MANOKIN	24.8-	42.4	51.1-	27.5	43.4	39.5	35.4	49.8	43.5	52.4	41.6-	
OK91-5706	24.5-	47.8	56.8	25.8	48.1	37.6	31.5	51.7	48.2	47.8	43.1	
OK91-6023	27.2-	43.3	54.7-	20.7-	46.1	34.4	29.2	42.4-	45.4	53.8	40.9-	
R92-236	28.8	38.2	53.8-	28.0	55.8	39.9	38.8	50.2	47.4	52.2	43.8	
R92-1294	24.9-	42.8	59.2	27.8	50.5	44.2	39.7	64.4+	43.8	55.9	45.9	
R92-1327	27.7-	44.0	58.5	24.2-	54.6	40.8	23.5	54.1	43.6	50.5	44.2	
S92-1069	30.1	46.5	53.7-	27.9	43.7	41.4	36.5	50.4	49.0	52.0	43.8	
S92-1274-3	21.6-	44.8	54.5-	23.9-	46.8	41.5	31.9	54.4	47.2	46.2	42.3-	
S92-1666	33.8	46.4	55.9	24.0-	47.9	47.9	23.3	47.0-	44.1	54.5	44.6	
S92-1679	35.9	41.7	54.3-	22.9-	45.9	42.8	33.0	48.3-	49.6	50.3	43.5	
S93-1475	32.9	41.8	59.0	29.0	46.1	48.3	34.6	50.4	50.8	53.1	45.7	
S93-1589	34.3	43.9	53.3-	22.5-	48.1	41.2	32.4	50.7	45.3	44.0	42.6	
TN91SS-33	23.8-	53.2	61.7	27.5	48.6	36.6	42.4	55.4	48.6	50.6	45.1	
TN91-86	31.1	34.5-	46.6-	22.5-	43.7	30.3-	33.1	41.4-	42.4	49.8	38.0-	
TN92-198	29.2	55.0	61.5	23.7-	49.9	43.1	30.3	55.1	49.2	54.8	46.8	
TN92-228	35.2	47.6	58.1	27.9	50.2	36.4	39.3	49.6-	50.3	55.9	45.7	
TN92-249	35.3	53.6	61.4	28.8	50.4	45.8	39.0	53.6	46.1	52.9	47.5	
V91-0223	37.6	52.6	56.4	27.9	48.7	38.8	39.0	51.1	49.4	64.0	47.4	
V91-0964	29.4	41.9	53.0-	24.1-	50.7	34.3	36.0	45.3-	39.6	52.8	41.2-	
V91-2909	30.2	57.4+	63.3	25.4	51.0	39.4	34.1	51.5	47.9	51.9	46.4	
V91-2935	33.8	57.9+	59.6	30.5	52.3	39.0	30.1	57.5	55.5	56.8	49.2	
V91-3036	35.2	58.2+	59.0	29.3	46.7	42.8	40.9	54.9	54.1	51.7	48.0	
VS94-11	5.3-	38.1	39.9-	6.9-	41.6-	21.4-	31.0	29.1-	33.6-	47.6	29.3-	
L.S.D. (0.05)	4.5	10.9	5.8	5.7	7.5	9.3	14.8	6.5	11.2	12.5	3.6	
C.V. (%)	9.4	11.4	5.0	10.9	7.3	11.4	20.9	6.2	11.6	11.6	8.7	

† Not included in mean.

TABLE 29A - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTSBURG KS	PLYMOUTH NC	PORTAGE- VILLE MO (A)	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	20.7	21.6	20.6	20.7	20.2	20.5	21.1	21.9	21.6	21.0
MANOKIN	20.6	20.9	20.7	20.3	18.6	20.4	21.3	20.8	20.4	20.4
D92-9779	19.0	19.6	18.6	19.8	18.7	20.2	19.4	20.0	20.3	19.5
D93-4675	17.3	18.2	17.7	17.6	17.1	17.8	16.6	18.3	18.9	17.7
D93-4715	18.2	19.0	18.5	19.8	17.2	18.8	18.8	19.5	19.6	18.8
D93-4953	17.7	17.9	18.6	17.7	16.5	18.5	18.0	18.6	18.7	18.0
D93-5146	18.9	19.3	18.7	19.7	17.7	19.1	19.7	19.4	20.2	19.2
F92-1792	20.1	20.2	19.6	19.3	19.5	20.0	20.8	20.3	19.8	20.0
K1333	20.7	21.1	20.3	19.9	18.9	19.8	20.7	21.2	21.5	20.5
K1334	20.3	20.6	20.2	20.1	19.5	20.3	20.9	21.0	21.1	20.4
K1335	20.4	20.5	20.1	19.6	18.1	20.0	20.6	20.2	20.2	20.0
K1336	20.6	21.4	20.4	20.7	19.6	19.9	21.8	21.0	21.4	20.8
K1337	20.4	21.0	20.1	21.0	19.8	19.9	21.9	21.3	21.1	20.7
LS92-0964	20.0	21.2	20.1	20.2	18.9	19.7	20.5	20.4	21.0	20.2
LS92-1004	19.9	20.6	18.9	19.9	18.8	18.7	20.4	19.9	20.6	19.7
LS92-1050	20.3	20.9	19.9	20.2	19.5	19.7	20.2	20.9	20.8	20.3
LS92-1088	20.4	20.7	20.6	20.1	19.2	20.1	21.1	20.9	21.2	20.5
LS92-1272	20.6	21.0	19.9	20.4	19.4	20.3	21.0	20.6	20.8	20.4
N93-54	20.1	20.8	19.9	21.4	19.0	19.9	20.9	20.9	20.8	20.4
N93-59	20.1	20.9	19.8	19.8	19.0	19.8	21.1	20.5	20.9	20.2
N93-66	21.1	21.1	20.6	20.6	19.9	20.6	22.1	21.1	21.2	20.9
N93-453	19.2	20.3	20.3	20.4	19.6	19.7	20.2	20.8	21.4	20.2
NTCPR94-5293	20.2	21.4	20.2	20.8	19.5	20.0	20.8	21.0	21.4	20.6
NTCPR94-5439	19.2	19.5	19.3	20.1	19.1	19.4	19.5	20.6	21.2	19.8
NTCPR94-5479	19.0	20.0	19.3	20.3	18.5	19.1	20.0	20.1	20.7	19.7
NTCPR94-5483	19.5	21.0	19.4	20.6	19.4	20.0	20.9	20.0	21.2	20.2
NTCPR94-5491	19.2	21.0	19.7	20.8	18.1	20.1	20.9	20.3	20.7	20.1

TABLE 29B - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTSBURG KS	PLYMOUTH NC	PORTAGE- VILLE MO (B)	QUEENS- TOWN MD	STONE- VILLE MS (B)	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	20.5	21.7	20.8	20.6	20.1	20.6	20.5	21.6	21.9	21.0
MANOKIN	21.1	21.0	20.1	20.7	19.0	20.2	21.4	20.6	20.5	20.6
OK91-5706	20.8	21.6	20.9	21.1	19.8	21.0	21.0	21.9	22.2	21.2
OK91-6023	20.7	21.1	20.2	20.5	19.7	20.0	21.4	20.9	21.2	20.7
R92-236	19.8	20.5	20.0	20.4	19.8	19.7	19.7	20.1	21.1	20.2
R92-1294	20.5	21.1	20.1	20.5	20.1	20.3	20.7	21.4	21.1	20.7
R92-1327	20.2	20.5	20.2	20.3	20.1	19.9	20.6	21.3	21.7	20.6
S92-1069	20.2	20.4	19.6	19.5	19.3	19.7	20.3	20.2	21.3	20.1
S92-1274-3	20.2	20.0	19.0	19.7	19.0	19.4	20.2	19.7	20.4	19.8
S92-1666	20.1	20.1	18.5	19.5	19.0	19.8	19.1	19.9	20.3	19.6
S92-1679	18.7	19.4	17.4	19.3	18.4	18.6	18.4	18.9	19.9	18.8
S93-1475	20.0	19.7	19.7	19.4	18.6	19.6	19.5	19.7	19.9	19.6
S93-1589	19.2	19.5	19.3	19.0	18.4	18.9	19.1	20.2	20.1	19.4
TN91SS-33	21.1	21.3	20.6	20.9	20.6	22.0	21.4	21.6	21.8	21.2
TN91-86	20.7	20.6	20.1	20.1	18.9	19.8	21.0	21.0	21.1	20.4
TN92-198	21.0	21.3	20.4	20.8	20.1	20.3	21.5	21.2	21.4	21.0
TN92-228	21.2	20.6	20.1	20.3	18.7	19.9	21.0	21.0	21.3	20.5
TN92-249	20.9	21.5	20.9	20.8	20.6	20.6	20.9	21.6	21.7	21.1
V91-0223	21.3	21.2	21.1	20.7	20.5	21.1	21.2	21.6	21.7	21.2
V91-0964	19.6	20.6	19.4	20.2	19.8	20.0	20.9	20.5	20.9	20.2
V91-2909	21.9	21.9	20.6	20.6	20.7	20.7	21.5	21.6	21.9	21.3
V91-2935	21.4	22.0	21.2	20.8	20.7	20.8	21.4	21.6	22.0	21.4
V91-3036	20.4	20.9	20.0	20.1	19.7	19.7	20.7	20.6	20.6	20.4
VS94-11	20.8	20.2	19.2	19.9	20.0	20.0	20.2	20.7	21.0	20.3

TABLE 30A - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTSBURG KS	PLYMOUTH NC	PORTAGE-	QUEENS-	STONE-	ULLIN IL	WARSAW VA	MEAN
					VILLE MO (A)	TOWN MD	VILLE MS (B)			
HUTCHESON	44.2	41.3	41.6	40.4	41.7	40.7	41.7	38.7	39.5	41.1
MANOKIN	44.0	40.1	37.7	40.1	43.1	38.5	43.8	37.5	39.7	40.5
D92-9779	43.2	40.5	38.7	40.5	41.1	38.5	43.4	36.6	36.3	39.9
D93-4675	49.8	48.0	45.3	48.1	48.0	45.6	53.1	44.5	44.1	47.4
D93-4715	50.3	45.8	45.5	43.9	48.1	43.9	49.8	41.8	43.3	45.8
D93-4953	48.9	45.1	43.9	45.4	48.1	44.9	49.0	42.0	41.3	45.4
D93-5146	49.0	45.0	42.9	43.7	47.3	44.9	48.4	42.1	42.3	45.1
F92-1792	44.5	42.6	40.3	42.5	41.6	40.0	45.1	38.2	41.0	41.8
K1333	44.3	40.5	41.6	41.3	43.0	38.9	43.1	39.3	39.8	41.3
K1334	44.8	42.0	41.9	40.6	42.6	39.4	43.0	39.2	38.1	41.3
K1335	45.0	41.3	41.7	42.2	44.5	40.3	43.7	41.3	41.0	42.3
K1336	42.6	38.6	39.5	39.1	40.4	38.0	40.8	38.5	38.4	39.5
K1337	43.8	40.8	41.8	39.5	42.4	40.7	41.8	38.4	39.9	41.0
LS92-0964	42.7	38.5	38.1	39.9	42.0	38.7	42.7	37.3	38.7	39.8
LS92-1004	44.8	41.2	41.7	41.9	42.4	42.0	44.7	39.6	38.8	41.9
LS92-1050	43.1	40.3	38.8	39.0	41.5	38.3	42.9	37.4	37.9	39.9
LS92-1088	44.6	41.3	38.5	40.3	42.1	38.6	43.8	38.5	38.7	40.7
LS92-1272	44.0	40.0	39.9	40.7	42.5	39.2	42.9	38.6	37.9	40.6
N93-54	44.3	41.7	43.0	41.4	43.3	40.0	41.9	39.6	40.2	41.7
N93-59	44.6	41.5	41.3	42.8	43.3	40.9	42.8	39.9	38.4	41.7
N93-66	43.3	41.0	40.7	41.9	42.8	39.6	42.1	39.8	38.8	41.1
N93-453	43.5	40.9	39.6	40.4	38.9	38.0	41.3	37.2	38.6	39.8
NTCPR94-5293	45.1	41.7	39.4	42.1	44.1	40.4	45.0	39.8	38.5	41.8
NTCPR94-5439	44.2	42.1	38.2	40.6	41.3	38.7	43.0	39.1	36.7	40.4
NTCPR94-5479	44.6	40.2	39.3	39.5	42.9	39.7	43.5	38.9	38.5	40.8
NTCPR94-5483	44.9	40.7	39.7	40.5	42.1	39.1	43.7	38.6	38.1	40.8
NTCPR94-5491	46.4	41.6	40.1	41.1	45.0	39.6	45.7	39.7	40.4	42.2

TABLE 30B - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTSBURG KS	PLYMOUTH NC	PORTAGE-	QUEENS-	STONE-	ULLIN IL	WARSAW VA	MEAN
					VILLE MO (A)	TOWN MD	VILLE MS			
HUTCHESON	44.4	40.8	40.5	41.1	41.5	39.6	45.0	39.2	39.9	41.6
MANOKIN	43.6	40.3	36.4	40.5	42.3	38.1	43.6	38.0	39.6	40.5
OK91-5706	43.9	41.6	40.9	41.8	43.3	39.9	43.5	39.6	40.1	41.8
OK91-6023	43.8	41.6	40.8	42.2	42.1	38.6	44.2	40.1	40.6	41.9
R92-236	43.8	40.0	36.9	42.0	41.0	39.1	44.2	38.2	38.6	40.6
R92-1294	43.7	40.1	39.1	41.5	41.0	39.5	42.1	38.4	40.1	40.8
R92-1327	44.0	41.7	40.4	42.1	41.1	40.6	42.9	39.9	39.5	41.5
S92-1069	43.5	40.8	38.0	41.6	40.4	38.7	43.0	37.2	39.4	40.5
S92-1274-3	41.1	40.3	35.8	39.8	39.9	36.4	42.9	36.5	36.6	39.1
S92-1666	42.1	41.3	37.8	41.3	40.6	38.4	44.2	37.0	38.9	40.4
S92-1679	42.1	41.4	39.3	41.3	40.4	39.4	43.4	37.9	37.0	40.4
S93-1475	41.4	40.7	38.5	39.9	40.5	37.9	42.7	38.9	38.1	40.1
S93-1589	44.4	43.2	39.6	42.9	43.0	40.2	44.7	39.2	41.0	42.3
TN91SS-33	43.2	40.8	40.1	40.9	40.9	40.4	42.3	40.0	38.8	40.9
TN91-86	42.7	41.2	39.7	40.7	41.8	38.9	44.2	36.9	38.1	40.7
TN92-198	43.8	41.3	41.5	41.7	43.4	39.0	42.8	40.2	40.1	41.9
TN92-228	42.2	42.0	39.6	41.3	40.6	38.9	43.5	39.5	39.8	41.1
TN92-249	43.3	40.8	39.7	40.3	40.8	40.5	41.7	39.9	39.8	40.8
V91-0223	42.8	40.6	39.1	41.6	41.2	39.5	42.2	39.7	40.3	40.9
V91-0964	45.3	41.6	41.3	41.7	42.6	40.2	44.7	40.4	39.3	42.1
V91-2909	42.1	40.7	41.4	41.4	41.9	40.3	42.8	40.3	40.0	41.3
V91-2935	43.8	40.4	41.2	41.1	41.7	39.2	42.8	40.1	40.0	41.4
V91-3036	44.7	41.4	40.9	41.7	41.6	39.8	44.3	39.9	40.7	41.9
VS94-11	43.7	43.6	40.7	44.1	41.8	40.8	45.5	40.1	40.4	42.5

TABLE 31A - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	PITTSBURG KS	PLYMOUTH NC	PORTAGE- VILLE MO (A)	QUEENS- TOWN MD	STONE- VILLE MS (B)	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	15.0	10.5	13.0	13.6	10.8	12.8	13.1	13.5	14.2	12.9
MANOKIN	13.4	9.0	12.3	13.5	9.3	12.7	11.8	10.6	12.2	11.6
D92-9779	13.0	7.8	10.9	12.3	9.4	12.4	10.5	10.7	11.8	11.0
D93-4675	10.9	8.8	9.9	12.6	9.5	11.1	9.2	10.4	11.3	10.4
D93-4715	12.0	8.0	11.3	12.6	9.1	12.4	10.0	11.3	12.8	11.1
D93-4953	9.3	7.3	9.3	10.4	7.8	9.3	8.4	9.0	9.8	8.9
D93-5146	12.7	9.6	12.6	12.2	10.3	12.7	12.3	11.9	12.4	11.8
F92-1792	13.7	9.6	11.7	14.3	10.7	12.4	11.0	12.6	13.7	12.2
K1333	14.4	11.1	12.8	14.8	10.3	12.1	12.8	12.5	14.0	12.7
K1334	16.6	9.5	13.8	13.1	10.3	11.7	13.7	12.4	12.7	12.6
K1335	17.9	11.0	14.6	16.0	11.0	14.7	15.4	14.3	14.7	14.4
K1336	14.6	9.3	12.9	14.0	9.5	12.6	12.1	12.3	12.8	12.2
K1337	14.5	9.1	12.7	13.8	10.0	12.0	12.8	11.6	13.5	12.2
LS92-0964	13.4	10.1	13.5	14.1	10.5	13.0	12.6	13.0	15.3	12.8
LS92-1004	15.6	10.3	15.6	14.1	10.5	14.2	14.6	14.0	13.7	13.6
LS92-1050	14.0	10.2	14.2	14.5	10.6	13.6	12.6	13.4	14.6	13.1
LS92-1088	12.4	9.9	12.9	14.4	9.7	11.7	12.3	12.1	13.3	12.1
LS92-1272	14.5	11.1	12.7	17.4	10.2	13.2	15.0	13.0	14.3	13.5
N93-54	14.7	10.3	13.8	14.7	10.0	14.2	13.0	13.3	12.9	13.0
N93-59	12.4	9.6	12.3	14.1	9.9	12.2	12.8	11.5	11.7	11.8
N93-66	14.5	11.9	12.8	15.9	10.5	13.5	13.6	13.1	13.4	13.2
N93-453	16.1	11.0	13.5	14.0	11.7	15.0	10.8	13.1	15.3	13.4
NTCPR94-5293	15.5	10.1	14.4	15.5	10.2	12.7	13.2	14.1	13.8	13.3
NTCPR94-5439	13.1	9.3	11.9	12.0	9.8	11.6	10.2	11.7	12.0	11.3
NTCPR94-5479	12.4	9.1	12.2	12.2	9.4	10.2	10.2	11.1	13.6	11.2
NTCPR94-5483	13.9	10.1	13.7	14.2	10.2	13.3	12.1	12.7	14.0	12.7
NTCPR94-5491	11.6	8.8	11.9	13.1	8.8	10.8	10.7	11.4	14.4	11.3

TABLE 31B - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	PLYMOUTH NC	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	15.0	10.8	13.3	11.0	14.0	12.0	13.4	13.9	12.8
MANOKIN	13.6	10.0	13.3	9.6	12.9	11.4	11.1	12.4	11.6
OK91-5706	12.5	10.4	12.8	9.3	10.9	11.8	11.1	12.0	11.4
OK91-6023	13.3	10.0	13.3	9.6	12.8	11.3	11.1	12.5	11.6
R92-236	13.9	10.3	14.8	11.6	14.1	11.4	12.1	14.5	12.7
R92-1294	14.3	11.0	15.4	10.7	13.4	13.6	12.6	14.4	13.1
R92-1327	14.1	10.2	12.9	10.5	14.0	11.0	12.2	12.6	11.9
S92-1069	14.5	10.6	13.3	10.4	14.1	12.0	12.4	13.2	12.3
S92-1274-3	15.6	10.8	15.2	11.6	14.3	13.3	13.9	14.2	13.5
S92-1666	13.8	11.1	14.6	11.9	13.5	10.7	12.6	15.1	12.8
S92-1679	13.8	9.1	14.3	11.0	14.3	10.7	12.0	14.0	12.1
S93-1475	12.6	8.9	11.1	9.6	11.2	10.4	11.0	11.3	10.7
S93-1589	12.8	9.2	12.0	9.8	12.7	9.4	11.2	12.4	11.0
TN91SS-33	14.8	11.7	13.6	11.0	14.4	11.8	12.7	13.2	12.7
TN91-86	16.7	11.2	14.1	10.9	15.4	14.0	13.4	14.3	13.5
TN92-198	14.5	12.3	14.7	11.2	13.5	12.4	12.3	12.2	12.8
TN92-228	13.9	10.8	13.7	10.1	15.3	12.8	13.0	15.3	12.8
TN92-249	15.0	11.3	13.5	11.4	15.5	12.1	13.2	13.3	12.8
V91-0223	14.2	11.0	13.3	10.3	14.9	12.2	12.5	14.2	12.5
V91-0964	12.5	8.3	12.2	9.4	12.3	9.7	10.5	11.9	10.6
V91-2909	14.3	12.9	14.3	10.5	15.4	13.7	12.6	12.7	13.0
V91-2935	13.6	12.2	14.9	10.9	15.7	13.3	13.0	13.6	13.1
V91-3036	13.8	11.3	12.8	10.9	13.6	12.3	13.1	14.4	12.7
VS94-11	15.2	11.7	13.6	11.6	13.6	12.0	12.9	13.6	12.9

TABLE 32A - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	PITTS-										MEAN
	BIXBY OK	JACKSON TN	KEISER AR	BURG KS	PLYMOUTH NC	PORTAGE- VILLE MO (A)	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	WARSAW VA	
HUTCHESON	18	33	34	23	26	26	23	17	28	28	26
MANOKIN	13	25	31	29	22	25	25	17	21	24	23
D92-9779	24	38	36	32	32	32	31	21	31	33	31
D93-4675	21	31	30	30	25	24	27	25	32	28	27
D93-4715	22	29	32	29	26	27	30	21	31	29	27
D93-4953	20	33	32	28	24	27	28	22	26	29	27
D93-5146	24	33	34	32	30	34	33	25	33	29	31
F92-1792	18	33	32	24	27	25	24	23	26	25	26
K1333	21	27	30	28	25	25	28	17	31	21	25
K1334	21	28	32	25	22	29	25	19	26	29	26
K1335	18	28	32	24	20	22	24	15	24	26	23
K1336	20	28	34	25	23	28	26	20	26	30	26
K1337	21	30	34	26	21	27	27	16	28	29	26
LS92-0964	18	29	33	27	21	24	28	18	29	31	26
LS92-1004	23	33	37	29	29	28	28	20	22	34	28
LS92-1050	17	27	31	26	24	24	27	17	29	29	25
LS92-1088	22	32	41	33	27	25	30	22	36	33	30
LS92-1272	21	31	36	29	27	23	32	23	32	33	29
N93-54	24	35	35	30	27	26	31	18	31	28	28
N93-59	25	33	34	28	27	24	30	22	32	26	28
N93-66	22	30	35	29	25	26	29	19	35	29	28
N93-453	25	37	42	39	31	44	40	22	36	39	35
NTCPR94-5293	23	34	38	34	25	27	33	21	37	36	31
NTCPR94-5439	22	36	37	34	26	37	34	24	33	30	31
NTCPR94-5479	21	31	34	31	23	13	31	18	29	28	26
NTCPR94-5483	19	31	31	29	26	23	30	21	30	23	26
NTCPR94-5491	24	30	34	31	25	32	30	15	32	27	28

TABLE 32B - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	BIXBY OK	JACKSON TN	KEISER AR	PITTS-		PORTAGE-		QUEENS-		STONE-		MEAN
				BURG KS	PLYMOUTH NC	VILLE MO (A)	TOWN MD	VILLE MS	ULLIN IL	WARSAW VA		
HUTCHESON	18	35	32	25	22	34	26	18	26	27	26	
MANOKIN	19	29	29	27	19	28	28	15	27	27	24	
OK91-5706	21	29	32	26	22	28	24	21	33	26	26	
OK91-6023	19	33	30	28	22	34	28	19	32	32	28	
R92-236	21	37	39	30	28	33	34	22	36	35	31	
R92-1294	22	35	35	30	25	34	31	22	32	33	30	
R92-1327	18	37	35	25	29	36	27	24	35	33	30	
S92-1069	20	35	32	32	24	34	33	19	37	32	29	
S92-1274-3	20	42	39	30	27	36	35	23	38	33	32	
S92-1666	29	40	30	35	26	39	32	23	32	37	32	
S92-1679	29	42	39	37	31	37	34	23	40	36	35	
S93-1475	22	35	33	28	22	30	33	18	37	33	29	
S93-1589	25	36	34	31	26	34	37	22	40	33	31	
TN91SS-33	23	34	32	27	26	34	32	20	33	29	29	
TN91-86	34	46	46	36	34	44	41	30	49	41	40	
TN92-198	20	31	31	23	22	26	24	20	31	26	25	
TN92-228	21	33	33	28	20	29	28	19	27	34	27	
TN92-249	20	36	35	26	21	35	26	19	34	28	28	
V91-0223	24	34	34	29	24	37	28	19	33	32	30	
V91-0964	22	38	33	26	24	38	30	24	35	34	30	
V91-2909	18	33	34	23	24	32	27	16	29	30	26	
V91-2935	18	31	32	27	26	34	27	20	29	31	28	
V91-3036	20	36	37	27	28	37	30	21	39	33	31	
VS94-11	27	51	53	36	43	54	40	50	45	43	44	

TABLE 33A - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTS-		PORTAGE-		QUEENS-		STONE-		WARSAW VA	MEAN
			BURG KS	PLYMOUTH NC	VILLE MO (A)	TOWN MD	VILLE MS (B)	ULLIN IL				
HUTCHESON	1.5	1.0	1	2.5	2.0	1.3	1.5	1.3	1.8	1.5		
MANOKIN	1.0	1.5	1	3.0	2.0	2.0	1.5	1.0	1.5	1.6		
D92-9779	3.0	2.0	1	3.0	2.0	2.5	2.0	1.5	3.5	2.3		
D93-4675	2.5	2.0	1	3.0	2.0	2.8	1.5	2.0	4.0	2.3		
D93-4715	2.5	2.0	1	3.0	1.5	2.5	1.0	1.8	3.0	2.0		
D93-4953	2.5	2.0	1	3.0	2.0	2.5	2.0	1.0	2.0	2.0		
D93-5146	2.5	2.0	1	3.0	2.0	2.8	2.0	1.3	3.8	2.3		
F92-1792	2.0	2.0	1	3.0	1.0	2.0	1.0	1.0	2.3	1.7		
K1333	1.0	1.0	1	3.0	1.0	1.8	1.5	1.5	1.0	1.4		
K1334	1.0	1.0	1	2.0	1.5	1.3	1.0	1.0	1.3	1.2		
K1335	1.0	1.0	1	2.0	1.0	1.3	1.0	1.0	1.0	1.1		
K1336	1.0	1.0	1	2.0	1.0	1.5	2.0	1.0	1.5	1.3		
K1337	1.0	1.0	1	2.5	1.0	1.8	1.5	1.0	1.3	1.3		
LS92-0964	2.0	1.0	1	3.0	1.0	1.8	1.5	1.3	1.8	1.6		
LS92-1004	1.5	2.0	1	3.0	1.5	1.8	1.5	1.0	1.8	1.7		
LS92-1050	2.0	1.0	1	2.5	1.0	2.0	1.5	1.3	1.8	1.6		
LS92-1088	1.0	1.5	1	2.5	1.0	1.8	1.0	1.3	2.0	1.4		
LS92-1272	1.0	2.0	1	3.0	1.5	1.8	1.5	1.3	2.0	1.7		
N93-54	2.0	2.0	1	3.0	1.0	2.0	1.0	1.3	2.5	1.8		
N93-59	2.5	2.0	1	3.0	1.5	2.0	1.5	1.0	1.3	1.8		
N93-66	1.0	1.5	1	3.0	1.0	2.0	1.0	1.3	1.8	1.5		
N93-453	1.0	2.0	1	3.0	1.5	1.8	1.0	1.3	3.0	1.7		
NTCPR94-5293	1.0	2.0	1	3.0	1.0	1.8	2.0	1.0	1.8	1.6		
NTCPR94-5439	1.0	2.0	1	3.0	1.0	2.0	2.0	1.0	1.3	1.6		
NTCPR94-5479	1.0	1.5	1	2.0	1.0	2.0	2.0	1.0	1.3	1.4		
NTCPR94-5483	1.0	1.5	1	3.0	1.0	2.0	1.5	1.0	1.0	1.4		
NTCPR94-5491	1.0	2.0	1	3.0	1.5	2.5	1.5	1.3	1.5	1.7		

TABLE 33B - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	JACKSON TN	KEISER AR	PITTS-		PORTAGE- VILLE MO (A)	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	WARSAW VA	MEAN
			BURG KS	PLYMOUTH NC						
HUTCHESON	1.0	1.5	1	2.0	2.0	1.8	1.5	1.0	1.8	1.5
MANOKIN	1.5	1.5	1	2.0	1.5	2.8	1.5	1.0	1.8	1.5
OK91-5706	1.5	1.0	1	2.0	2.0	2.0	1.0	1.0	1.3	1.3
OK91-6023	1.0	1.0	1	2.5	2.0	2.3	1.5	1.5	2.0	1.6
R92-236	2.0	2.0	1	3.0	2.0	2.3	1.5	1.0	2.0	1.8
R92-1294	2.0	2.0	1	3.5	1.5	2.8	2.0	1.5	2.3	2.0
R92-1327	2.0	2.0	1	3.0	2.0	1.5	1.0	1.5	1.8	1.8
S92-1069	2.0	2.0	1	2.0	2.0	2.5	1.5	2.3	2.5	1.9
S92-1274-3	1.5	2.0	1	2.5	2.0	2.3	1.5	1.5	1.8	1.7
S92-1666	2.5	2.0	1	3.0	2.0	2.5	1.5	2.3	3.3	2.2
S92-1679	2.0	2.0	1	3.0	2.0	2.8	1.5	2.3	2.5	2.0
S93-1475	1.5	2.0	1	3.0	2.0	3.0	1.5	1.8	2.3	1.9
S93-1589	2.0	1.0	1	3.0	1.5	2.3	2.0	2.0	1.5	1.8
TN91SS-33	1.5	1.0	1	2.0	2.0	2.5	2.0	1.0	1.8	1.5
TN91-86	1.0	1.5	1	2.5	1.0	2.5	1.5	1.5	2.3	1.5
TN92-198	2.0	1.0	1	2.0	2.0	1.8	1.0	1.0	1.3	1.4
TN92-228	1.5	2.0	1	2.5	1.5	2.5	1.0	1.0	2.5	1.6
TN92-249	2.0	1.0	1	2.0	2.0	1.8	1.0	1.5	1.8	1.5
V91-0223	1.5	1.0	1	2.0	2.0	1.8	1.0	1.5	2.3	1.5
V91-0964	2.0	1.5	1	2.5	2.0	2.3	1.5	1.5	1.8	1.7
V91-2909	2.0	1.0	1	2.0	2.0	1.8	1.5	1.3	1.8	1.6
V91-2935	2.0	1.0	1	2.0	2.0	1.8	1.5	1.0	1.8	1.5
V91-3036	2.0	2.0	1	2.5	2.0	2.5	1.0	1.5	2.8	1.8
VS94-11	3.0	2.0	1	3.0	2.0	3.3	3.0	2.0	3.8	2.5

TABLE 34A - SEED QUALITY SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VA, 1995.

STRAIN/ VARIETY	JACKSON TN	PITTSBURG KS	PLYMOUTH NC	PORTAGE- VILLE MO (A)	QUEENS- TOWN MD	STONE- VILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	2.0	2	2	1.5	2.3	2	1.0	1.4	1.8
MANOKIN	2.5	2	3	1.5	2.5	3	1.0	1.9	2.2
D92-9779	2.5	2	2	2.0	1.5	2	1.5	1.8	1.9
D93-4675	3.0	2	3	2.0	1.8	2	1.0	1.8	2.1
D93-4715	3.0	2	2	2.0	1.5	2	1.0	1.9	1.9
D93-4953	3.0	2	3	1.5	1.5	2	1.0	1.7	2.0
D93-5146	2.5	2	2	2.0	2.3	2	1.0	2.0	2.0
F92-1792	2.0	2	3	1.5	1.5	2	1.0	1.4	1.8
K1333	2.0	2	3	2.0	2.5	2	1.0	1.9	2.1
K1334	2.5	2	2	2.0	3.0	3	1.0	1.5	2.1
K1335	2.5	2	3	2.0	2.0	3	1.0	2.1	2.2
K1336	2.0	1	3	2.0	3.0	3	1.0	1.5	2.1
K1337	2.0	2	2	2.0	3.0	3	1.0	1.7	2.1
LS92-0964	3.5	2	2	2.0	4.0	3	1.0	1.5	2.4
LS92-1004	2.0	1	2	2.0	3.3	2	1.0	1.5	1.8
LS92-1050	3.5	2	2	2.0	3.8	3	1.0	1.8	2.4
LS92-1088	3.0	2	3	2.0	2.3	3	1.0	1.8	2.3
LS92-1272	2.5	1	2	2.0	2.3	3	1.0	1.8	1.9
N93-54	2.0	2	2	2.0	2.5	3	1.0	2.5	2.1
N93-59	2.0	2	3	2.0	2.5	2	1.0	1.2	2.0
N93-66	1.0	2	3	2.0	2.8	3	1.0	1.7	2.1
N93-453	3.5	1	2	2.0	2.0	3	1.0	1.4	2.0
NTCPR94-5293	3.0	2	3	2.0	3.5	3	1.0	1.4	2.4
NTCPR94-5439	2.0	2	2	2.0	2.5	2	1.0	1.2	1.8
NTCPR94-5479	2.0	2	2	2.0	3.0	2	1.0	1.7	2.0
NTCPR94-5483	2.5	1	2	2.0	2.8	2	1.0	1.5	1.8
NTCPR94-5491	3.0	2	2	1.5	3.3	2	1.0	1.7	2.1

TABLE 34B - SEED QUALITY SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VB, 1995.

STRAIN/ VARIETY	JACKSON TN	PLYMOUTH NC	PORTAGEVILLE MO (A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	1.5	2	2.0	2.0	2	1.0	1.5	1.7
MANOKIN	2.0	2	1.5	2.5	3	1.0	1.7	1.9
OK91-5706	2.0	2	1.0	2.0	2	1.5	1.9	1.7
OK91-6023	2.5	2	1.5	2.5	3	1.0	1.4	1.9
R92-236	2.5	2	2.0	2.0	2	1.0	1.7	1.9
R92-1294	2.0	2	2.0	1.5	2	2.0	1.4	1.9
R92-1327	2.5	2	2.0	2.5	2	1.0	1.4	1.8
S92-1069	2.0	2	2.0	1.8	3	1.0	1.5	1.9
S92-1274-3	3.0	2	2.0	2.3	3	1.5	1.7	2.2
S92-1666	2.0	2	2.0	2.0	2	1.0	1.8	1.8
S92-1679	3.0	2	2.0	1.5	2	1.5	1.9	2.1
S93-1475	2.0	2	2.0	2.5	2	1.0	1.5	1.8
S93-1589	2.5	3	2.0	2.5	2	1.0	1.8	2.0
TN91SS-33	2.0	2	2.0	2.0	2	1.5	1.9	1.9
TN91-86	3.0	2	1.5	2.0	3	2.0	3.7	2.5
TN92-198	2.0	2	2.0	2.3	2	1.5	1.6	1.9
TN92-228	2.0	2	2.0	2.0	2	1.0	1.4	1.7
TN92-249	2.0	2	2.0	2.5	2	1.0	1.7	1.8
V91-0223	2.0	2	2.0	3.0	2	1.5	1.8	1.9
V91-0964	3.0	2	2.0	2.3	3	1.0	1.5	2.1
V91-2909	2.0	2	2.0	3.0	2	1.0	1.7	1.8
V91-2935	2.0	2	2.0	3.0	2	1.0	1.2	1.7
V91-3036	2.0	2	2.0	2.0	2	1.0	1.5	1.8
VS94-11	3.0	2	2.0	2.5	3	1.0	1.8	2.1

**UNIFORM GROUP VI
1995**

Uniform Group VI nurseries were planted at 26 locations. Data were obtained from 23 of these locations. The parentage for each strain is reported in Table 35. Table 36 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 37 - 42.

TABLE 35 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 1995.

STRAIN/ VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BRIM	YOUNG X N77-1102	F7
2. DILLON	CENTENNIAL X YOUNG	F5
3. AU90-442	HUTCHESON X AU82-589	F6
4. AU90-585	HUTCHESON X AU82-589	F6
5. G89-300	HUTCHESON X COLQUITT	F7
6. G89-2223	G81-152 X COKER 6738	F7
7. N90-541	HUTCHESON X N80-1014	F6
8. N91-386	N85-4085 X BRAXTON	F6
9. SC89-181	HUTCHESON X LEFLORE	F5
10. SC90-2089	COKER 6847 X HUTCHESON	F5
11. AU91-158	G83-198 X N85-492	F6
12. AU91-1371	AU82-211 X AU82-589	F6
13. D92-4216	LYON X D86-3429	F5
14. N92-598	N85-492 X N84-507	F6
15. N92-612	N85-492 X PI 438302B	F6
16. NTCPR92-40	NAKESENNARI X YOUNG	F4
17. R91-4484	R85-336 X WALTERS	F5
18. SC91-2007	NK'S S83-30 X HUTCHESON	F5
19. V88-494	V79-881 X TOANO	F5

TABLE 36 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 1995.

STRAIN/ VARIETY	YIELD			PROTEIN			OIL		
	1995	94-95	93-95	1995	94-95	93-95	1995	94-95	93-95
1. BRIM	41.2	44.0	42.4	42.9	43.4	42.7	20.2	20.2	20.2
2. DILLON	41.7	.	.	42.4	.	.	20.7	.	.
3. AU90-442	35.0	41.2	.	41.6	42.0	.	20.6	20.8	.
4. AU90-585	42.4	44.9	.	42.0	42.6	.	20.5	20.4	.
5. G89-300	41.5	43.8	.	40.1	40.7	.	20.9	20.7	.
6. G89-2223	42.2	45.1	.	42.6	43.2	.	21.0	20.9	.
7. N90-541	40.2	44.5	42.1	41.9	42.4	41.7	22.1	22.0	22.4
8. N91-386	37.4	41.7	.	43.4	43.6	.	19.7	19.8	.
9. SC89-181	40.1	42.2	42.1	41.1	41.7	41.1	20.0	20.0	20.1
10. SC90-2089	43.4	45.0	.	43.3	43.8	.	19.9	19.9	.
11. AU91-158	41.3	.	.	41.5	.	.	20.6	.	.
12. AU91-1371	40.4	.	.	41.2	.	.	19.9	.	.
13. D92-4216	36.3	.	.	43.7	.	.	19.6	.	.
14. N92-598	41.0	.	.	40.5	.	.	21.8	.	.
15. N92-612	37.4	.	.	39.6	.	.	21.3	.	.
16. NTCPR92-40	35.7	.	.	42.3	.	.	20.7	.	.
17. R91-4484	39.2	.	.	43.2	.	.	20.5	.	.
18. SC91-2007	42.2	.	.	42.3	.	.	20.9	.	.
19. V88-494	41.8	44.3	42.9	42.5	42.8	42.0	20.7	20.6	20.8

BOTANICAL TRAITS

STRAIN/ VARIETY	FL.	MAT.	LODGING	HEIGHT	SEED	SEED	PUB.	POD
	COLOR	DATE			QUALITY	SIZE	COLOR	COLOR
1. BRIM	W	0	2.0	33	1.5	12.3	G	BR
2. DILLON	P	-4	1.7	32	1.6	14.0	G	T
3. AU90-442	P	6	2.3	33	1.8	11.8	T	T
4. AU90-585	P	1	2.3	31	1.7	12.0	G	T
5. G89-300	P	3	1.7	32	1.6	14.7	T	T
6. G89-2223	W	0	2.2	29	1.5	12.8	T	T
7. N90-541	W	-6	1.2	26	1.9	13.8	T	T
8. N91-386	P	2	2.0	35	1.6	18.7	T	T
9. SC89-181	W	3	2.1	32	1.6	11.5	G	T
10. SC90-2089	W	3	2.0	31	1.7	12.6	G	T
11. AU91-158	P	-1	2.1	30	1.7	13.3	T	T
12. AU91-1371	P	3	1.9	31	1.6	12.1	G	T
13. D92-4216	W	3	2.9	31	1.7	13.4	G	T
14. N92-598	P	-3	1.5	27	2.2	15.5	G	BR
15. N92-612	P	-5	1.5	28	2.2	14.9	G	T
16. NTCPR92-40	P	-2	2.3	33	2.0	19.2	G	T
17. R91-4484	P	-7	1.6	26	2.0	15.0	T	BR
18. SC91-2007	W	6	2.1	36	1.5	13.4	G	T
19. V88-494	P	2	1.6	29	1.7	13.0	G	T

TABLE 36 - (Continued).

PEST REACTIONS

STRAIN/ VARIETY	STEM							
	CANKER	M. a.	M. a.	M. i.	M. i.	SCN	SCN	VBC
	MS	GA	TN	GA	TN	3	14	
1. BRIM	4.5	4.0	4.0	3.5	1.2	4.7	4.7	7.0
2. DILLON	2.6	5.0	1.2	1.5	1.0	5.0	4.4	5.0
3. AU90-442	5.0	3.3	1.2	1.3	1.0	5.0	4.0	5.3
4. AU90-585	1.0	4.3	2.2	1.3	1.3	5.0	4.8	6.5
5. G89-300	1.0	4.3	1.3	1.5	1.0	4.7	4.4	5.7
6. G89-2223	1.0	2.3	1.0	1.3	1.0	1.0	4.2	6.7
7. N90-541	1.6	3.8	3.8	3.3	1.8	4.7	4.7	8.0
8. N91-386	1.0	3.8	1.3	1.5	1.3	4.9	4.3	4.8
9. SC89-181	1.0	4.0	1.3	1.0	1.0	1.1	1.2	8.0
10. SC90-2089	1.0	2.8	1.0	1.8	1.0	1.1	3.8	7.8
11. AU91-158	4.0	2.8	3.0	3.8	1.1	1.6	3.0	7.2
12. AU91-1371	1.5	4.3	3.8	4.3	2.7	1.0	2.4	4.5
13. D92-4216	1.1	3.3	1.7	2.0	2.0	3.0	1.5	5.2
14. N92-598	4.5	4.0	3.8	3.0	2.2	4.7	1.3	5.2
15. N92-612	4.9	3.0	2.4	2.3	1.1	5.0	1.2	5.5
16. NTCPR92-40	5.0	4.8	4.0	5.0	2.0	4.9	2.2	7.5
17. R91-4484	4.4	3.8	4.5	5.0	3.8	1.1	2.8	8.3
18. SC91-2007	1.0	3.3	1.2	3.3	1.0	1.4	4.2	7.3
19. V88-494	1.0	3.8	3.8	4.0	2.3	4.6	3.8	6.3

TABLE 37 - SEED YIELD, IN BUSHELS PER ACRE FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

EAST						
STRAIN/ VARIETY	FLORENCE SC	PLYMOUTH NC	WARSAW VA	WHITEVILLE NC†	MEAN	
BRIM	40.9	47.2	49.2	46.1	45.7	
DILLON	32.9	57.1	53.6	50.4	47.8	
AU90-442	37.4	42.2	45.9	41.2	41.8	
AU90-585	35.8	52.4	53.1	50.2	47.1	
G89-300	42.4	53.3	54.1	44.0	49.9	
G89-2223	44.6	53.2	52.1	38.7	50.0	
N90-541	31.9	56.5	46.5	44.4	45.0	
N91-386	34.4	49.6	45.2	47.3	43.1	
SC89-181	39.5	50.4	47.8	48.6	45.9	
SC90-2089	37.9	50.2	53.9	48.6	47.3	
AU91-158	39.3	52.1	54.5	46.3	48.6	
AU91-1371	40.8	50.3	46.6	43.0	45.9	
D92-4216	29.0	43.1	41.9	30.3	38.0	
N92-598	38.4	57.5	49.5	39.1	48.5	
N92-612	30.8	53.7	49.4	45.5	44.6	
NTCPR92-40	35.9	50.4	51.2	43.4	45.8	
R91-4484	28.3	53.6	48.3	35.5	43.4	
SC91-2007	41.7	52.2	48.5	49.2	47.5	
V88-494	43.1	53.7	55.1	47.7	50.7	
L.S.D. (0.05)	11.2	4.5	7.8	19.3	.	
C.V. (%)	18.2	5.3	9.4	26.3	.	

DELTA						
STRAIN/ VARIETY	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (B)	ROHWER AR	STONEVILLE MS	MEAN
BRIM	42.8	47.8	47.9	45.3	44.8	45.7
DILLON	42.2	42.1	45.1	43.9	50.6	44.8
AU90-442	25.3	41.2	39.5	22.7	26.9	31.1
AU90-585	45.0	51.2	47.8	33.6	46.1	44.7
G89-300	43.0	43.9	46.2	43.2	44.3	44.1
G89-2223	48.0	52.4	43.3	34.5	43.1	44.3
N90-541	47.2	34.5	44.2	46.2	56.6	45.8
N91-386	40.4	41.5	43.2	37.6	44.2	41.4
SC89-181	44.3	41.8	44.5	35.7	42.4	41.8
SC90-2089	45.0	50.5	46.1	42.4	41.2	45.0
AU91-158	43.0	43.6	47.2	36.7	47.9	43.7
AU91-1371	45.0	44.8	44.5	35.7	33.1	40.6
D92-4216	42.2	44.5	41.9	33.8	40.9	40.7
N92-598	42.4	45.1	44.3	48.4	52.3	46.5
N92-612	40.4	42.4	39.4	38.9	45.4	41.3
NTCPR92-40	38.0	46.6	40.8	20.4	41.3	37.4
R91-4484	44.8	42.7	42.3	41.4	51.2	44.5
SC91-2007	44.2	47.5	49.7	47.7	40.3	45.9
V88-494	41.7	46.3	48.4	42.2	46.8	45.1
L.S.D. (0.05)	7.9	7.4	5.5	7.3	6.0	.
C.V. (%)	11.4	10.0	7.4	11.5	8.2	.

† Not included in mean.

Table 37 - (Continued).

STRAIN/ VARIETY	WEST				MEAN
	BEAUMONT TX	BIXBY OK	BOSSIER CITY LA	STUTTGART AR	
BRIM	38.3	26.2	57.1	47.3	42.2
DILLON	33.6	24.5	56.4	45.1	39.9
AU90-442	41.2	23.5	67.5	37.0	42.3
AU90-585	37.9	25.7	70.3	50.6	46.1
G89-300	31.8	30.5	64.1	46.6	43.2
G89-2223	35.0	23.7	48.4	48.6	38.9
N90-541	34.7	20.1	41.1	51.0	36.7
N91-386	29.3	22.9	52.1	43.0	36.8
SC89-181	23.8	30.3	68.4	48.7	42.8
SC90-2089	36.2	31.5	66.1	50.3	46.0
AU91-158	37.5	28.4	60.0	48.1	43.5
AU91-1371	42.2	27.3	54.5	43.9	42.0
D92-4216	32.8	30.8	53.5	41.8	39.7
N92-598	30.2	24.8	54.7	47.8	39.4
N92-612	35.1	20.3	47.3	42.1	36.2
NTCPR92-40	26.7	23.1	30.6	45.4	31.4
R91-4484	31.3	26.3	55.0	46.1	39.7
SC91-2007	33.0	27.2	65.9	46.3	43.1
V88-494	36.8	26.8	60.4	45.7	42.4
L.S.D. (0.05)	6.7	3.2	10.3	6.7	.
C.V. (%)	11.9	7.5	11.0	8.8	.

Table 37 - (Continued).

STRAIN/ VARIETY	SOUTH											
	ATHENS	BATON	BELLE	BLACK-	CALHOUN	FAIR-	JAY	STARK-	TALLAS-	QUINCY	TIFTON	MEAN
	GA	LA	AL†	VILLE SC (A)	GA	HOPE AL	FL	VILLE MS	SEE AL	FL‡	GA	
BRIM	39.5	60.9	30.4	30.2	35.7	54.8	32.0	39.2	21.2	10.1	16.5	36.7
DILLON	39.2	55.9	22.8	38.5	37.3	47.4	38.0	44.9	25.8	29.2	21.6	38.7
AU90-442	30.1	50.7	18.6	28.8	33.6	45.4	35.0	26.4	24.2	17.2	10.8	31.7
AU90-585	32.8	65.2	30.7	29.3	48.1	48.5	36.7	43.0	22.9	9.6	15.0	37.9
G89-300	36.1	56.3	25.2	33.8	44.2	47.3	33.7	38.7	23.1	12.6	15.4	36.5
G89-2223	45.2	57.3	29.5	33.9	50.2	49.6	34.0	39.7	27.6	11.6	20.7	39.8
N90-541	46.0	59.3	22.4	29.5	37.4	52.0	29.7	38.3	20.9	8.3	21.1	37.1
N91-386	28.4	51.5	18.0	31.4	40.1	47.5	31.0	38.8	18.4	14.5	14.8	33.5
SC89-181	30.6	49.0	22.2	36.8	42.2	55.0	35.7	42.6	24.0	8.1	9.5	36.2
SC90-2089	40.9	58.8	29.3	30.4	49.8	52.5	32.0	46.4	31.8	17.4	18.0	40.1
AU91-158	40.4	58.5	17.7	28.2	43.7	45.7	28.0	39.0	25.7	10.8	18.9	36.4
AU91-1371	41.2	58.1	25.8	31.4	43.5	51.0	34.0	39.9	24.2	7.0	15.4	37.6
D92-4216	39.5	51.0	25.0	30.1	36.7	35.9	25.7	32.0	21.9	11.2	13.1	31.8
N92-598	35.2	58.6	21.9	28.8	41.2	50.4	32.3	37.7	18.5	4.2	23.1	36.2
N92-612	42.5	40.8	15.5	29.9	34.0	49.8	32.7	31.0	21.1	19.9	19.4	33.5
NTPR92-40	33.8	48.9	17.6	28.4	36.5	47.4	25.7	39.1	20.3	13.5	18.7	33.2
R91-4484	36.9	48.5	28.6	29.4	47.1	46.8	27.3	30.6	22.4	2.2	23.0	34.7
SC91-2007	46.7	54.3	31.2	31.4	49.9	47.8	32.7	47.8	18.8	9.4	13.4	38.1
V88-494	38.7	53.9	28.9	28.9	45.8	54.8	29.0	42.6	18.9	3.2	17.5	36.7
L.S.D. (0.05)	8.2	.	9.9	7.0	8.7	6.7	5.9	5.9	7.8	13.4	3.7	.
C.V. (%)	13.0	4.8	24.6	13.6	12.5	8.3	11.3	9.3	20.7	69.9	12.9	.

† Not included in mean.

‡ Not included in mean, severe sting and reniform nematode infestation.

TABLE 38 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

STRAIN/ VARIETY	BEAU-		BELLE		BLACK-		CAL-		FAIR-		FLO-		PINE		PLY-		PORTAGE-		PORTAGE-		STONE-		STUTT-		TALLA-		TIF-		WARSAW		WHITE-	
	ATHENS GA	MONT TX	MINA AL	BIXBY OK	VILLE SC	HOUN GA	HOPE AL	RENCE SC	JAY FL	TREE AR	MOUTH NC	VILLE MO(A)	VILLE MO(B)	ROWHER AR	VILLE MS	GART AR	SEE AL	TON GA	WARSAW VA	VILLE NC	MEAN											
OIL PERCENTAGE																																
BRIM	20.3	20.0	18.8	.	19.9	.	20.3	20.1	21.8	.	20.6	18.8	.	20.3	19.4	20.2	20.0	.	20.5	20.9	20.2											
DILLON	21.1	19.5	19.0	.	20.7	.	20.2	21.1	22.6	.	20.0	19.2	.	21.0	20.8	20.2	21.2	.	21.2	20.7	20.7											
AU90-442	20.9	21.0	18.2	.	20.3	.	20.5	20.5	22.6	.	19.1	19.4	.	21.6	20.1	20.3	19.8	.	21.1	21.2	20.6											
AU90-585	20.3	19.8	18.7	.	20.0	.	20.7	20.7	22.9	.	20.0	19.7	.	20.8	19.8	20.0	20.4	.	21.1	20.8	20.5											
G89-300	20.4	20.4	19.4	.	21.0	.	20.8	21.1	23.0	.	20.9	19.8	.	21.0	20.6	20.6	20.9	.	21.3	21.5	21.0											
G89-2223	21.3	20.7	20.2	.	20.6	.	21.0	21.0	23.0	.	20.6	19.5	.	21.3	20.7	20.4	21.9	.	20.8	21.2	21.0											
N90-541	22.1	22.0	21.1	.	21.7	.	22.6	21.7	23.3	.	21.5	20.7	.	22.3	22.5	22.2	22.6	.	22.2	22.1	22.1											
N91-386	19.6	19.3	17.9	.	19.8	.	19.9	20.1	21.7	.	19.6	18.3	.	19.5	19.5	19.7	19.4	.	20.2	20.0	19.8											
SC89-181	20.2	19.6	17.8	.	19.9	.	20.4	20.1	22.3	.	19.9	18.5	.	20.3	19.5	19.6	19.6	.	20.7	20.4	20.1											
SC90-2089	19.9	19.7	18.8	.	19.5	.	20.1	19.9	22.2	.	18.9	19.0	.	19.6	19.5	20.3	19.7	.	20.5	20.6	20.0											
AU91-158	20.6	20.7	18.6	.	20.5	.	21.0	20.8	22.0	.	20.2	18.8	.	20.6	20.3	20.3	21.0	.	21.4	21.0	20.7											
AU91-1371	20.2	19.6	18.8	.	19.5	.	19.5	20.5	22.1	.	19.4	18.9	.	20.5	18.7	19.8	19.4	.	21.2	20.9	20.0											
D92-4216	19.6	19.5	18.1	.	19.8	.	20.1	19.8	22.2	.	19.5	18.1	.	18.5	18.9	19.3	19.7	.	19.9	20.2	19.7											
N92-598	21.9	21.8	21.2	.	21.7	.	22.1	21.8	23.2	.	21.3	20.9	.	21.9	22.0	21.5	22.1	.	21.6	21.5	21.8											
N92-612	21.0	21.4	21.2	.	21.2	.	21.7	21.3	22.4	.	20.4	20.1	.	21.5	21.9	21.1	21.6	.	21.0	20.9	21.3											
NTCPR92-40	20.2	20.3	18.5	.	20.6	.	21.4	20.8	22.4	.	20.9	19.2	.	20.3	20.5	20.7	21.3	.	20.4	21.5	20.8											
R91-4484	20.3	20.2	18.9	.	20.6	.	21.1	20.6	22.3	.	19.6	19.3	.	20.7	20.2	20.2	20.7	.	20.7	20.8	20.5											
SC91-2007	21.7	19.8	19.6	.	20.8	.	21.3	21.2	22.4	.	20.8	20.1	.	21.1	19.6	20.7	20.4	.	21.3	22.0	20.9											
V88-494	20.4	20.2	19.1	.	21.1	.	21.0	20.9	22.1	.	20.3	20.0	.	21.4	20.3	20.6	20.0	.	20.9	21.0	20.7											
PROTEIN PERCENTAGE																																
BRIM	43.5	46.5	44.2	.	43.6	.	45.8	42.4	43.8	.	41.9	41.4	.	39.3	44.1	43.2	41.7	.	40.5	43.5	42.9											
DILLON	42.2	47.9	46.2	.	42.1	.	44.3	42.8	41.7	.	42.2	41.6	.	40.1	43.5	43.5	41.1	.	38.5	43.4	42.5											
AU90-442	42.4	44.7	45.9	.	42.1	.	43.2	40.9	41.1	.	44.3	40.3	.	35.8	43.4	43.2	40.4	.	39.0	42.3	41.7											
AU90-585	42.9	46.8	46.1	.	42.3	.	44.1	41.0	40.4	.	43.1	39.8	.	38.4	43.6	42.2	41.0	.	40.8	42.3	42.1											
G89-300	41.1	44.3	43.1	.	39.5	.	42.3	39.0	39.7	.	40.0	38.1	.	37.0	41.2	40.4	40.3	.	38.7	40.4	40.1											
G89-2223	43.4	45.9	45.9	.	43.3	.	44.8	42.0	41.7	.	42.7	40.9	.	39.1	43.8	44.5	40.2	.	41.8	43.3	42.7											
N90-541	41.8	46.3	45.2	.	41.6	.	44.1	40.9	40.8	.	41.7	41.5	.	39.7	41.2	42.6	41.5	.	40.6	41.5	41.8											
N91-386	44.1	46.8	46.7	.	43.6	.	45.7	42.5	42.6	.	44.2	42.0	.	41.9	45.0	43.4	41.2	.	41.8	44.6	43.5											
SC89-181	41.1	45.2	44.2	.	41.1	.	42.4	39.7	40.8	.	42.1	39.7	.	38.5	42.7	42.5	38.9	.	39.4	41.1	41.1											
SC90-2089	43.6	45.6	45.7	.	43.7	.	45.3	42.6	42.9	.	44.6	41.6	.	43.4	44.7	43.5	40.7	.	41.3	43.4	43.4											
AU91-158	41.7	44.5	46.4	.	41.7	.	43.5	40.8	41.8	.	41.4	40.6	.	39.2	41.7	42.8	41.3	.	39.0	41.7	41.6											
AU91-1371	41.6	45.5	44.4	.	42.9	.	43.6	40.0	41.0	.	42.8	38.8	.	36.9	42.8	42.9	39.1	.	38.3	42.1	41.3											
D92-4216	43.5	47.3	47.0	.	44.7	.	44.9	42.8	42.2	.	45.0	41.8	.	43.2	44.3	45.0	41.5	.	41.9	44.4	43.8											
N92-598	39.7	42.7	42.7	.	41.5	.	42.4	40.9	39.9	.	40.2	39.7	.	39.5	40.1	41.6	39.5	.	39.4	42.4	40.7											
N92-612	40.7	42.5	42.4	.	39.1	.	41.2	39.4	39.4	.	38.9	39.7	.	37.4	39.0	39.8	39.8	.	38.0	40.6	39.7											
NTCPR92-40	41.3	44.9	46.1	.	42.0	.	43.4	41.9	42.2	.	41.4	41.5	.	41.2	44.4	43.1	41.1	.	40.9	41.2	42.2											
R91-4484	41.9	49.4	45.8	.	42.4	.	45.9	43.8	42.7	.	42.6	41.9	.	40.3	42.7	43.4	42.6	.	42.1	43.2	43.2											
SC91-2007	40.9	47.1	46.3	.	41.8	.	43.7	40.8	41.5	.	42.9	41.3	.	40.5	45.0	43.2	40.1	.	40.7	42.1	42.3											
V88-494	43.2	46.5	45.7	.	42.5	.	44.3	42.2	42.8	.	43.8	40.3	.	39.2	43.2	42.0	41.6	.	40.9	43.0	42.5											

TABLE 38 - (Continued).

STRAIN/ VARIETY	ATHENS	BEAU-	BELLE		BLACK-	CAL-	FAIR-	FLO-	PINE PLY-			PORTAGE-	PORTAGE-		STONE-	STUTT-	TALLA-	TIF-	WARSAW	WHITE-	
	GA	MONT TX	MINA AL	BIXBY OK	VILLE SC	HOUN GA	HOPE AL	RENCE SC	JAY FL	TREE AR	PLY- SC	VILLE MO (A)	VILLE MO (B)	ROWHER AR	VILLE MS	GART AR	SEE AL	TON GA	VA	VILLE NC	MEAN
	GRAMS PER 100 SEED																				
BRIM	13.0	11.8	10.6	13.1	11.8	13.8	13.2	12.7	18.3	11.4	12.4	10.2	10.2	10.0	10.6	11.3	12.0	11.4	14.0	12.9	12.3
DILLON	15.4	15.4	11.0	15.2	13.6	16.1	13.1	15.1	15.6	12.4	15.6	10.6	10.9	12.3	13.0	14.0	14.2	12.4	16.6	16.0	14.1
AU90-442	14.4	11.5	11.9	11.0	10.5	13.4	11.1	11.7	14.1	12.1	13.0	11.5	10.7	10.0	10.3	12.3	10.7	9.2	14.4	13.1	11.8
AU90-585	12.6	11.8	11.5	12.0	11.1	13.3	12.6	11.1	16.2	11.0	12.5	9.5	9.8	9.0	10.2	11.3	12.1	9.3	13.2	11.9	11.6
G89-300	16.3	12.7	13.0	14.9	13.8	17.4	15.2	15.4	18.2	14.5	15.7	13.1	12.8	13.0	12.7	15.0	13.8	12.5	17.9	17.3	14.8
G89-2223	14.5	11.1	12.3	14.1	11.5	15.5	12.8	12.8	15.2	12.3	14.1	11.2	10.9	10.7	11.2	13.0	12.4	12.2	15.1	13.8	12.9
N90-541	16.1	12.7	11.1	13.3	14.2	14.2	14.5	14.2	15.4	14.0	14.9	11.2	12.6	13.0	12.5	14.3	13.5	12.6	15.4	14.2	13.8
N91-386	19.6	15.5	14.9	18.2	18.2	21.4	19.1	20.3	20.5	18.1	21.9	16.7	17.0	16.3	17.4	19.7	16.4	16.2	23.5	22.5	18.9
SC89-181	13.7	10.7	11.0	13.0	10.9	14.0	11.3	11.4	13.5	11.9	12.7	10.2	10.1	9.3	10.1	12.0	11.6	8.9	12.3	11.6	11.5
SC90-2089	13.9	11.6	12.2	13.1	11.6	14.0	12.5	12.1	16.2	12.8	12.7	11.4	11.7	10.7	11.5	12.3	11.1	12.4	14.6	13.3	12.6
AU91-158	15.5	12.1	10.7	14.4	12.9	14.4	14.1	14.6	15.4	12.7	15.1	10.4	10.9	11.3	11.0	13.3	14.0	12.5	14.8	14.8	13.4
AU91-1371	13.8	12.4	13.4	12.4	12.0	14.6	11.6	12.8	13.0	12.2	13.2	10.4	10.5	9.7	9.6	11.7	11.1	12.1	14.2	13.2	12.1
D92-4216	15.3	12.2	14.8	13.8	12.9	16.2	12.8	13.7	14.8	14.0	14.8	11.7	12.1	11.3	13.0	13.3	12.1	12.9	14.9	13.3	13.4
N92-598	17.0	15.4	15.4	17.8	14.5	17.9	15.1	15.4	16.7	15.1	14.7	12.3	12.9	14.3	14.3	16.3	16.3	15.4	17.7	16.6	15.6
N92-612	16.5	13.6	13.5	15.7	14.6	17.4	16.0	16.3	17.4	13.7	15.3	12.5	11.8	13.0	13.6	14.7	15.9	13.7	17.1	17.6	15.1
NTCPR92-40	19.1	15.3	16.5	19.7	19.8	23.1	20.4	22.1	20.2	20.1	22.0	17.4	17.2	13.7	15.9	20.3	18.5	16.8	23.8	22.6	19.4
R91-4484	20.2	14.1	12.9	15.9	14.6	16.5	14.9	15.7	16.1	13.9	17.1	12.0	12.2	12.7	12.2	15.0	13.6	15.6	18.1	17.4	15.1
SC91-2007	15.1	11.4	12.5	14.7	12.3	14.6	12.5	13.7	15.2	14.2	14.8	12.4	13.0	11	11.3	13.0	11.5	14.0	15.6	14.1	13.4
V88-494	13.7	11.9	12.0	13.9	11.6	14.5	13.8	13.4	16.0	12.6	14.4	11.5	11.5	11	11.3	12.7	12.5	11.8	15.5	15.0	13.1

TABLE 39 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN BRIM FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

EAST COAST					
STRAIN/ VARIETY	FLORENCE SC	PLYMOUTH NC	WARSAW VA	WHITEVILLE NC†	MEAN
	10/25	10/26	10/25	10/26	10/26
BRIM					
DILLON	1	-3	-2	-3	-2
AU90-442	1	4	9	6	4
AU90-585	0	-3	2	1	-1
G89-300	1	4	5	1	3
G89-2223	0	1	5	0	1
N90-541	0	-3	-5	-5	-3
N91-386	2	1	5	2	2
SC89-181	1	4	4	2	2
SC90-2089	0	-3	6	1	0
AU91-158	2	4	1	1	2
AU91-1371	2	4	2	2	2
D92-4216	1	1	3	0	1
N92-598	1	-3	-2	-3	-2
N92-612	0	-3	-3	-2	-2
NTCPR92-40	0	1	3	-5	1
R91-4484	-1	-3	-4	-7	-3
SC91-2007	1	1	8	2	3
V88-494	1	4	6	2	3

SOUTH											
STRAIN/ VARIETY	ATHENS GA	BATON BELLE ROUGE LA	MINA AL†	BLACK- VILLE SC(A)	CAL- HOUN GA	FAIR- HOPE AL	JAY FL	STARK- VILLE MS	TALLAS- SEE AL	TIFTON GA	MEAN
	10/10	10/18	10/11	10/22	10/18	10/09	11/01	10/03	10/19	10/02	10/15
BRIM											
DILLON	-5	-3	-8	0	-2	-6	-6	-8	-6	-13	-6
AU90-442	10	.	19	4	12	7	-7	4	7	4	5
AU90-585	2	.	11	3	5	4	-5	3	2	4	2
G89-300	8	.	13	3	5	4	-4	10	2	1	3
G89-2223	2	-1	0	4	1	5	-2	2	-2	-5	0
N90-541	-7	-3	-15	1	8	-6	-2	-9	-18	-17	-6
N91-386	5	0	9	3	5	4	-1	7	2	2	3
SC89-181	3	-1	12	3	6	4	-1	10	5	4	3
SC90-2089	3	-1	4	2	7	4	-2	9	5	6	3
AU91-158	-2	.	-13	2	7	1	-1	-7	-4	-3	-2
AU91-1371	5	.	9	3	10	6	-4	9	4	2	4
D92-4216	5	1	14	3	10	4	-4	11	4	13	5
N92-598	-6	0	-15	0	3	0	1	-4	-16	-15	-4
N92-612	-2	-2	-17	0	5	-1	0	-10	-9	-21	-5
NTCPR92-40	2	-5	-3	3	-2	1	-3	-1	-6	-7	-2
R91-4484	1	-3	-13	-5	-9	-7	-3	-8	-20	-17	-8
SC91-2007	8	0	16	4	10	7	-3	10	7	22	7
V88-494	5	1	9	3	7	2	-4	2	5	0	2

† Not included in mean.

TABLE 39 - (Continued).

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO (A)	MO (B)	AR	MS	
BRIM	10/26	10/23	10/25	10/09	10/07	10/18
DILLON	-3	-6	6	-7	-9	-4
AU90-442	5	6	9	7	7	7
AU90-585	0	0	0	3	0	1
G89-300	0	3	4	6	0	3
G89-2223	0	4	2	0	-7	0
N90-541	-1	-9	-6	-8	-9	-7
N91-386	0	2	2	7	0	2
SC89-181	1	5	2	1	3	2
SC90-2089	0	3	6	4	0	3
AU91-158	-3	1	1	-6	-2	-2
AU91-1371	0	5	3	3	-1	2
D92-4216	2	4	3	4	-1	3
N92-598	-4	-5	-5	-6	-7	-5
N92-612	-4	-5	-9	-7	-8	-7
NTCPR92-40	-1	-1	-3	-6	-9	-4
R91-4484	-4	-10	-7	-10	-9	-8
SC91-2007	3	4	7	7	6	5
V88-494	0	5	3	3	-1	2

WEST

STRAIN/ VARIETY	BEAUMONT	STUTTGART	MEAN
	TX	AR	
BRIM	10/12	10/16	10/14
DILLON	1	-6	-2
AU90-442	8	3	6
AU90-585	1	0	1
G89-300	-2	1	0
G89-2223	1	-3	-1
N90-541	-11	-6	-8
N91-386	1	1	1
SC89-181	1	2	2
SC90-2089	1	0	1
AU91-158	-3	-4	-3
AU91-1371	3	1	2
D92-4216	3	1	2
N92-598	-3	-4	-3
N92-612	-10	-5	-7
NTCPR92-40	-4	-5	-5
R91-4484	-10	-6	-8
SC91-2007	4	2	3
V88-494	-5	-1	-3

TABLE 40 - PLANT HEIGHT FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

EAST COAST					
STRAIN/ VARIETY	FLORENCE SC	PLYMOUTH NC	WARSAW VA	WHITEVILLE NC†	MEAN
BRIM	34	43	37	28	38
DILLON	29	37	36	29	34
AU90-442	34	39	36	31	36
AU90-585	30	37	34	29	34
G89-300	32	35	34	24	33
G89-2223	32	33	31	24	32
N90-541	22	26	29	18	26
N91-386	30	39	39	31	36
SC89-181	29	37	31	30	32
SC90-2089	32	37	31	28	33
AU91-158	34	34	32	27	33
AU91-1371	29	34	33	25	32
D92-4216	30	35	31	26	32
N92-598	23	25	30	18	26
N92-612	23	29	31	25	28
NTCPR92-40	33	37	36	29	35
R91-4484	22	25	30	16	26
SC91-2007	38	39	36	37	38
V88-494	29	34	32	25	32

SOUTH												
STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BELLE MINA AL†	BLACK- VILLE SC (A)	CAL- HOUN GA	FAIR- HOPE AL	JAY FL	STARK- VILLE MS	TALLAS- SEE AL	TIFTON GA	MEAN	
BRIM	42	39	39	30	38	27	18	37	24	13	30	
DILLON	40	40	40	31	42	30	22	32	30	20	32	
AU90-442	41	37	39	28	46	32	23	32	29	20	32	
AU90-585	38	37	40	27	42	25	18	31	27	27	30	
G89-300	38	37	38	28	40	29	20	30	24	22	30	
G89-2223	36	32	36	24	39	26	20	27	25	22	28	
N90-541	31	34	34	23	36	24	20	26	22	22	26	
N91-386	38	38	42	29	44	33	22	32	27	30	33	
SC89-181	39	42	40	29	40	29	22	36	28	23	32	
SC90-2089	38	40	40	29	41	28	20	35	25	22	31	
AU91-158	37	36	39	25	37	27	18	31	24	17	28	
AU91-1371	37	36	39	25	41	28	21	32	28	20	30	
D92-4216	35	35	39	27	37	27	17	30	25	27	29	
N92-598	33	33	34	22	40	22	18	25	24	28	27	
N92-612	34	36	34	27	37	22	20	26	24	25	28	
NTCPR92-40	38	38	42	28	40	29	22	36	26	28	32	
R91-4484	39	35	33	23	40	24	19	25	24	22	28	
SC91-2007	43	42	40	31	43	32	24	36	28	37	35	
V88-494	35	36	35	26	35	24	20	29	22	17	27	

† Not included in mean.

TABLE 40 - (Continued).

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	ROHWER	STONEVILLE	MEAN
	AR	MO (A)	MO (B)	AR	MS	
BRIM	43	44	40	31	38	39
DILLON	45	36	32	25	29	33
AU90-442	48	45	41	24	25	37
AU90-585	43	37	33	27	22	32
G89-300	46	38	34	29	25	34
G89-2223	41	29	25	23	25	29
N90-541	37	30	26	20	20	27
N91-386	49	42	38	32	30	38
SC89-181	43	35	31	34	30	35
SC90-2089	45	38	34	25	24	33
AU91-158	41	35	31	24	27	32
AU91-1371	44	39	35	25	21	33
D92-4216	40	36	32	29	27	33
N92-598	40	34	30	22	17	29
N92-612	35	34	30	20	27	29
NTCPR92-40	45	38	34	30	26	35
R91-4484	39	25	21	20	22	25
SC91-2007	49	40	36	32	29	37
V88-494	42	35	31	24	22	31

WEST

STRAIN/ VARIETY	BEAUMONT	BIXBY	STUTTGART	MEAN
	TX	OK	AR	
BRIM	32	24	34	30
DILLON	30	28	25	28
AU90-442	33	22	34	30
AU90-585	33	27	32	31
G89-300	32	26	33	30
G89-2223	27	24	30	27
N90-541	28	23	24	25
N91-386	34	28	36	33
SC89-181	30	24	32	29
SC90-2089	29	26	33	29
AU91-158	29	28	28	28
AU91-1371	33	30	31	31
D92-4216	30	30	32	31
N92-598	24	24	22	23
N92-612	27	24	28	26
NTCPR92-40	30	26	34	30
R91-4484	26	22	22	23
SC91-2007	32	33	36	34
V88-494	28	24	30	27

TABLE 41 - LODGING SCORES FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

EAST COAST				
STRAIN/ VARIETY	PLYMOUTH NC	WARSAW VA	WHITEVILLE NC	MEAN
BRIM	3.0	2.7	1.3	2.3
DILLON	3.0	2.0	1.7	2.2
AU90-442	3.0	3.7	1.7	2.8
AU90-585	3.3	3.5	1.7	2.8
G89-300	3.0	2.2	1.0	2.1
G89-2223	3.0	3.3	1.0	2.4
N90-541	2.0	1.5	1.0	1.5
N91-386	3.0	2.0	1.3	2.1
SC89-181	3.0	2.2	1.7	2.3
SC90-2089	3.0	3.0	1.3	2.4
AU91-158	3.0	2.3	1.7	2.3
AU91-1371	3.0	2.2	1.3	2.2
D92-4216	3.7	3.5	2.0	3.1
N92-598	3.0	1.5	1.0	1.8
N92-612	3.0	1.7	1.3	2.0
NTCPR92-40	3.0	3.3	1.3	2.6
R91-4484	2.7	1.7	1.0	1.8
SC91-2007	3.0	2.5	2.0	2.5
V88-494	3.0	2.3	1.3	2.2

SOUTH										
STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BELLE MINA AL	CAL- HOUN GA	FAIR- HOPE AL	JAY FL	STARK- VILLE MS	TALLAS- SEE AL	TIFTON GA	MEAN
BRIM	1.7	2.5	1.0	1.7	1.7	2.3	2.0	1.3	2.8	2.0
DILLON	1.5	2.0	1.0	1.3	2.0	2.3	1.3	0.8	2.9	1.8
AU90-442	1.8	2.5	1.3	2.7	3.0	2.3	2.0	1.7	2.5	2.3
AU90-585	2.2	3.0	1.0	2.5	3.0	2.3	2.0	2.0	2.2	2.4
G89-300	1.7	2.5	1.3	1.2	2.7	2.3	1.7	1.7	2.4	2.0
G89-2223	2.3	2.5	1.7	2.5	3.0	2.3	1.7	2.2	2.7	2.4
N90-541	1.5	1.0	1.3	1.0	1.0	2.0	1.0	0.3	2.4	1.3
N91-386	1.5	3.0	1.0	1.8	3.0	3.3	1.7	1.3	2.9	2.3
SC89-181	2.2	3.5	1.0	2.5	2.0	3.3	2.0	1.5	2.4	2.4
SC90-2089	1.5	2.0	1.0	2.3	2.0	3.7	1.3	1.0	2.8	2.1
AU91-158	2.0	2.0	1.3	3.0	2.3	3.0	2.0	1.7	2.6	2.3
AU91-1371	1.7	2.0	1.7	1.7	2.3	2.3	2.0	1.7	2.1	2.0
D92-4216	2.0	4.0	2.0	1.3	4.0	4.3	3.0	3.0	2.8	3.1
N92-598	1.5	1.0	1.3	1.2	1.0	2.0	1.3	0.3	2.3	1.3
N92-612	1.5	1.5	2.0	1.2	1.3	3.0	1.0	0.3	2.1	1.5
NTCPR92-40	1.7	3.5	1.7	1.8	2.7	2.7	2.0	1.8	2.8	2.4
R91-4484	1.7	2.0	2.0	1.5	1.3	2.0	1.0	0.8	2.3	1.6
SC91-2007	1.8	3.0	1.0	1.3	2.7	2.7	2.0	1.5	2.6	2.2
V88-494	1.5	1.5	1.0	1.2	1.7	2.0	1.3	1.3	2.1	1.6

TABLE 41 - (Continued).

DELTA

STRAIN/ VARIETY	PINE TREE AR	PORTAGEVILLE MO (A)	PORTAGEVILLE MO (A)	ROHWER AR	STONEVILLE MS	MEAN
BRIM	2.3	2.5	1.0	1	1.7	1.7
DILLON	1.3	1.0	1.0	1	1.7	1.2
AU90-442	3.7	2.5	2.0	1	1.7	2.2
AU90-585	3.0	2.0	2.0	1	1.3	1.9
G89-300	2.0	1.5	1.0	1	1.0	1.3
G89-2223	2.3	4.0	1.0	1	1.3	1.9
N90-541	1.7	1.0	1.0	1	1.0	1.1
N91-386	1.7	2.0	1.5	1	1.7	1.6
SC89-181	3.3	1.5	1.0	1	1.3	1.6
SC90-2089	2.0	1.5	2.0	1	1.0	1.5
AU91-158	3.7	2.0	1.0	1	1.0	1.7
AU91-1371	2.3	2.5	2.0	1	1.0	1.8
D92-4216	4.0	2.0	2.0	1	3.0	2.4
N92-598	3.3	1.5	1.0	1	1.3	1.6
N92-612	2.3	1.0	1.0	1	1.3	1.3
NTCPR92-40	3.7	2.5	1.5	1	1.3	2.0
R91-4484	2.0	1.5	2.0	1	1.3	1.6
SC91-2007	2.3	2.5	1.5	1	1.3	1.7
V88-494	2.0	1.0	2.0	1	1.0	1.4

WEST

STRAIN/ VARIETY	BEAUMONT TX	STUTTGART AR	MEAN
BRIM	1.0	3.0	2.0
DILLON	1.2	1.7	1.4
AU90-442	1.2	2.3	1.8
AU90-585	1.2	2.3	1.8
G89-300	1.0	1.0	1.0
G89-2223	1.0	1.7	1.3
N90-541	1.0	1.0	1.0
N91-386	1.0	2.0	1.5
SC89-181	1.0	2.0	1.5
SC90-2089	1.0	2.3	1.7
AU91-158	1.0	1.7	1.3
AU91-1371	1.0	2.0	1.5
D92-4216	1.5	3.7	2.6
N92-598	1.0	1.0	1.0
N92-612	1.0	2.0	1.5
NTCPR92-40	1.0	2.0	1.5
R91-4484	1.0	1.0	1.0
SC91-2007	1.0	2.3	1.7
V88-494	1.0	2.0	1.5

TABLE 42 - SEED QUALITY FOR STRAIN/VARIETY IN UNIFORM GROUP VI, 1995.

EAST

STRAIN/ VARIETY	PLYMOUTH	WARSAW	WHITEVILLE	MEAN
	NC	VA	NC	
BRIM	2	1.6	2	1.9
DILLON	2	1.1	3	2.0
AU90-442	2	1.7	2	1.9
AU90-585	2	1.7	2	1.9
G89-300	2	1.7	2	1.9
G89-2223	2	1.5	2	1.8
N90-541	2	1.5	3	2.2
N91-386	2	1.5	2	1.8
SC89-181	2	1.4	2	1.8
SC90-2089	2	1.4	2	1.8
AU91-158	2	1.6	3	2.2
AU91-1371	2	1.5	2	1.8
D92-4216	2	1.2	2	1.7
N92-598	2	1.9	4	2.6
N92-612	3	2.3	4	3.1
NTCPR92-40	2	2.1	3	2.4
R91-4484	3	1.8	3	2.6
SC91-2007	2	1.6	3	2.2
V88-494	2	1.5	3	2.2

SOUTH

STRAIN/ VARIETY	ATHENS	BATON	BELLE	CALHOUN	FAIR-	JAY	STARK-	TALLASSEE	MEAN
	GA	ROUGE LA	MINA AL	GA	HOPE AL	FL	VILLE MS	AL	
BRIM	1.5	1.2	1.5	1.7	1.0	3	2	1.0	1.6
DILLON	1.7	1.6	1.5	1.5	1.5	3	2	1.5	1.8
AU90-442	1.5	1.7	1.5	1.7	1.0	3	3	1.0	1.8
AU90-585	1.5	1.8	1.5	1.8	1.0	3	3	1.0	1.9
G89-300	1.5	1.5	1.5	1.7	1.5	2	3	1.0	1.7
G89-2223	1.5	1.0	1.5	1.3	1.0	2	3	1.0	1.5
N90-541	1.5	1.3	2.0	2.8	2.0	3	2	2.5	2.2
N91-386	1.8	1.5	1.5	1.5	1.0	3	3	1.0	1.8
SC89-181	1.5	1.5	1.5	1.3	1.0	3	2	1.0	1.6
SC90-2089	1.5	1.5	1.5	1.2	1.0	3	3	1.0	1.7
AU91-158	1.7	1.5	2.0	1.5	1.5	4	2	1.0	1.9
AU91-1371	1.5	1.3	1.5	1.0	1.0	2	3	1.0	1.5
D92-4216	1.5	1.8	1.5	1.3	1.0	3	3	1.0	1.8
N92-598	2.3	2.5	2.0	3.8	2.0	3	4	2.0	2.8
N92-612	2.5	2.4	2.5	3.7	2.0	3	3	2.0	2.7
NTCPR92-40	2.0	2.1	2.0	1.8	2.0	4	4	2.0	2.6
R91-4484	2.3	2.5	1.5	1.8	1.5	2	4	1.5	2.2
SC91-2007	1.5	1.5	1.0	1.0	1.0	2	2	1.0	1.4
V88-494	1.5	2.0	1.5	1.0	1.5	3	3	1.0	1.9

TABLE 42 - (Continued).

DELTA

STRAIN/ VARIETY	PINE TREE	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	MEAN
	AR	MO (A)	MO (B)	MS (B)	
BRIM	1.0	1.5	1.5	2.0	1.5
DILLON	1.0	1.5	1.5	2.0	1.5
AU90-442	2.0	2.0	2.0	2.0	2.0
AU90-585	1.0	2.0	2.0	2.0	1.8
G89-300	1.3	2.0	1.0	2.0	1.6
G89-2223	1.0	1.5	2.0	2.0	1.6
N90-541	1.3	2.0	1.5	2.0	1.7
N91-386	1.0	1.5	1.0	2.0	1.4
SC89-181	1.3	2.0	2.0	2.0	1.8
SC90-2089	1.3	2.0	2.0	2.0	1.8
AU91-158	1.0	2.0	2.0	2.0	1.8
AU91-1371	1.3	2.0	2.0	2.0	1.8
D92-4216	1.7	2.0	1.5	2.0	1.8
N92-598	1.3	1.5	1.5	2.7	1.8
N92-612	1.7	2.0	1.5	2.0	1.8
NTCPR92-40	1.0	1.5	1.5	2.0	1.5
R91-4484	1.0	1.5	1.0	1.7	1.3
SC91-2007	1.3	1.5	2.0	2.0	1.7
V88-494	1.3	2.0	2.0	2.0	1.8

WEST

STRAIN/ VARIETY	BEAUMONT	BOSSIER CITY	MEAN
	TX	LA	
BRIM	1.0	1.0	1.0
DILLON	1.3	1.0	1.2
AU90-442	1.0	1.0	1.0
AU90-585	1.0	1.0	1.0
G89-300	1.0	1.0	1.0
G89-2223	1.0	1.0	1.0
N90-541	1.0	1.7	1.4
N91-386	1.3	1.3	1.3
SC89-181	1.0	1.0	1.0
SC90-2089	1.0	1.0	1.0
AU91-158	1.0	1.0	1.0
AU91-1371	1.0	1.0	1.0
D92-4216	1.0	1.0	1.0
N92-598	1.3	1.7	1.5
N92-612	1.2	1.3	1.2
NTCPR92-40	1.0	1.3	1.2
R91-4484	1.7	2.3	2.0
SC91-2007	1.0	1.0	1.0
V88-494	1.0	1.0	1.0

PRELIMINARY GROUP VI**1995**

Preliminary Group VI nurseries were planted at 9 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 43. Table 44 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 45 - 51.

TABLE 43A - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY			PARENTAGE	GENERATION COMPOSITED
1. BRIM	YOUNG	X	N77-1102	F7
2. DILLON	CENTENNIAL	X	YOUNG	F5
3. BEDFORD	FORREST (2)	X	(D68-18 X PI 88788)	
4. TN690	A5474	X	TN82-94	F5
5. AU92-6	N86-397	X	BRYAN	F6
6. AU92-80	N86-397	X	BRYAN	F6
7. AU92-763	G83-198	X	AU85-1088	F6
8. AU92-3203	G83-969	X	N86-491	F6
9. AU92-3414	G83-969	X	N86-491	F6
10. D92-3602	EPPS	X	D87-5878	F5
11. D92-3612	EPPS	X	D87-5878	F5
12. D93-5319	D86-8070	X	D86-8093	F5
13. D93-5554	LYON	X	D87-4736	F5
14. D93-6815	VERNAL	X	SHARKEY	F5
15. F90-5607	PI 417479	X	F85-1138	F5
16. F91-1419	PI 417479	X	F87-4017	F5
17. F91-1577	PI 417479	X	F85-1138	
18. G91-34	CO82-622	X	BRYAN	F5
19. G91-291	CO82-622	X	BRYAN	F5
20. G91-307	CO82-622	X	BRYAN	F5
21. G91-322	CO82-622	X	G82-481	F5
22. G91-873	CO82-622	X	G82-481	F5
23. OK89-5618	TRACY	X	CENTENNIAL	
24. OK91-5605	ESSEX	X	SOHOMA	
25. OK91-5924	SOHOMA	X	FORREST	
26. R92-1125	HUTCHESON	X	WALTERS	F5
27. R92-1258	HUTCHESON	X	WALTERS	F5
28. R92-1611	R85-3441	X	ASGROW A3966	F5
29. TSB-92-1551	D82-10143	X	ASGROW 7986	F5

TABLE 43B - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY		PARENTAGE	GENERATION COMPOSITED
1. BRIM	YOUNG	X N77-1102	F7
2. DILLON	CENTENNIAL	X YOUNG	F5
3. BEDFORD	FORREST (2)	X (D68-18 X PI 88788)	F4
4. TN690	A5474	X TN82-94	F5
5. N91-8005	N77-114	X PI 416937	F4
6. N91-143	NRSS	X	F6
7. N91-6026	GASOY	X AMCOR	F4
8. N91-6032	GASOY	X WILLIAMS	F4
9. N93-132	BRIM	X (N87-2117-3 X BRIM)	F4
10. N93-430	STONEWALL	X BRIM	F6
11. N93-1128	BRIM	X PI 416937	
12. N93-1228	BRIM	X PI 416937	
13. NTCPR93-283	YOUNG	X SUZUYATAKA	F5
14. NTCPR93-286	YOUNG	X SUZUYATAKA	F5
15. S93-1631	A 5979	X S90-1818	F5
16. S93-1948	S90-1818	X S90-1852	F5
17. S93-2032	S90-1617	X C 425	F5
18. S93-2131	S84-1876	X HARTWIG	F5
19. SC92-24	HUTCHESON	X COKER 6738	F7
20. SC92-212	HUTCHESON	X BRYAN	F5
21. SC92-549	PIONEER 9581	X COKER 6738	F5
22. SC92-1835	COKER 6847	X BRYAN	F5
23. SC92-1852	COKER 6847	X BRYAN	F5
24. TN93-124	TN5-85	X V73-315	
25. TN93-142	HUTCHESON	X (TN85-55 X TN83-26)	
26. TN93-154	TN4-86	X HUTCHESON	
27. TN93-223	TN85-117	X N84-507	
28. V92-0950	HUTCHESON	X FFR 561	F5
29. VS94-05	PI 96089	X ESSEX	F6
30. VS94-18	YORK	X PI 416937	F6

TABLE 44A - GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	SEED	MAT.	-----PERCENT-----			SEED	SEED LODGING	SEED	M.a.	M.i.	SCN	SCN
	YIELD	INDEX	HEIGHT	OIL	PROTEIN	SIZE		QUALITY	TN	TN	3	14
BRIM	38.8	10/16	31	20.0	43.6	12.9	1.9	1.9	3.8	2.4	5.0	3.3
DILLON	40.0	5-	26	20.7+	42.9	14.7	1.8	2.0	2.7	1.0	5.0	3.6
BEDFORD	33.5	9-	30	20.0	42.6	13.3	1.7	2.2	1.5	1.0	1.0	1.7
TN690	32.2-	9-	21	20.4	44.3	14.5	1.4	3.2	4.0	1.0	1.0	1.5
AU92-6	34.2	7-	25	20.8+	42.7	13.4	1.6	2.5	3.6	1.2	5.0	3.6
AU92-80	36.9	8-	22	21.1+	43.3	13.2	1.2	2.2	1.8	1.0	4.7	4.4
AU92-763	38.3	7-	23	20.6+	41.3-	11.6	1.5	2.0	3.0	1.0	1.0	3.7
AU92-3203	38.6	5-	28	20.1	42.2-	13.7	1.8	1.8	1.5	1.0	2.1	4.4
AU92-3414	38.6	4-	25	20.4	43.9	13.5	1.4	2.2	1.5	1.0	5.0	4.5
D92-3602	34.7	2+	27	20.4	42.3-	12.9	2.3	1.6	4.2	1.0	1.0	1.3
D92-3612	33.9	1-	24	20.8+	41.9-	13.8	2.3	1.9	4.0	1.1	1.0	1.5
D93-5319	34.1	0	24	19.5-	45.6+	13.5	1.8	2.2	4.5	1.0	1.1	1.5
D93-5554	32.2-	5-	23	20.1	45.0+	14.9	1.7	2.2	4.0	1.7	1.1	1.3
D93-6815	32.6-	3+	31	20.0	42.9	13.3	2.4	1.9	2.8	1.3	5.0	5.0
F90-5607	33.7	6-	26	19.4-	45.8+	13.6	2.3	2.0	4.0	2.5	5.0	4.8
F91-1419	34.3	11-	21	20.8+	44.2	13.4	1.5	1.8	4.0	1.0	1.0	4.5
F91-1577	19.8-	4-	21	20.2	42.4	14.0	2.1	2.0	3.8	1.0	5.0	4.0
G91-34	34.5	1+	27	20.6+	41.6-	12.5	1.8	2.0	1.6	1.0	1.0	4.3
G91-291	36.6	2+	29	20.8+	40.9-	14.6	1.8	1.5	2.6	1.8	1.0	4.7
G91-307	36.3	3+	26	20.1	42.1-	13.4	1.7	2.0	2.8	1.0	1.0	3.5
G91-322	35.0	4-	25	20.9+	42.2-	14.2	1.6	2.0	2.0	1.0	1.2	2.8
G91-873	33.6	3+	29	20.3	41.3-	14.3	1.7	1.8	1.3	1.0	1.1	3.5
OK89-5618	33.6	2-	25	20.9+	43.0	14.5	1.4	2.1	3.8	1.0	3.5	3.2
OK91-5605	36.0	5-	23	21.1+	45.2+	15.4	1.3	2.0	3.2	1.7	4.7	4.5
OK91-5924	29.7-	6-	23	20.4	44.0	13.4	1.5	2.4	4.2	1.0	1.0	4.7
R92-1125	35.6	7-	25	20.6+	41.5-	12.4	1.4	2.0	2.7	1.0	5.0	4.8
R92-1258	39.8	5-	28	20.8+	42.3-	15.6	1.3	2.1	4.0	1.0	5.0	4.7
R92-1611	37.8	7-	23	21.4+	43.7	14.0	1.3	2.4	4.0	1.5	3.0	4.7
TSB-92-1551	37.5	3+	25	19.5-	43.6	13.6	1.6	1.9	3.8	1.0	5.0	4.8
OVERALL MEAN	34.9			20.4	43.0							
L.S.D (.05)	5.8			0.5	1.3							
C.V.	16%			2%	3%							

TABLE 44B - GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP
VIB, 1995.

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	-----PERCENT-----			SEED SIZE	LODGING	QUALITY	M.a. TN	M.i. TN	SCN 3	SCN 14
			HEIGHT	OIL	PROTEIN							
BRIM	40.2	10/17	32	19.9	43.5	12.3	1.8	1.8	4.8	1.0	5.0	4.5
DILLON	37.9	6-	29	20.4	43.0	14.2	1.5	1.8	2.0	1.0	5.0	4.7
BEDFORD	34.7	9-	29	19.9	42.4-	12.5	1.6	2.5	1.8	1.0	1.1	2.2
TN690	32.9-	10-	22	20.0	45.1+	14.3	1.3	2.8	3.2	1.0	3.7	3.8
N91-8005	29.7-	2-	20	20.9+	41.8-	14.5	1.2	2.3	3.3	1.0	4.9	4.5
N91-143	34.7	3-	35	20.1	43.9	12.9	1.7	1.7	3.8	1.0	4.9	4.2
N91-6026	32.9-	2+	34	20.0	41.5-	12.0	2.3	1.8	3.4	1.1	5.0	4.9
N91-6032	33.1-	2+	37	20.6+	41.3-	13.9	2.4	1.9	4.0	1.3	5.0	5.0
N93-132	40.5	1-	33	20.5+	42.7	13.2	2.1	1.9	3.8	1.1	4.5	5.0
N93-430	37.0	0	27	20.7+	42.9	14.7	1.6	2.1	2.6	1.0	5.0	4.8
N93-1128	31.6-	4-	20	20.6+	44.3	15.6	1.5	2.2	3.8	1.1	5.0	5.0
N93-1228	31.9-	2+	25	18.8-	44.4	13.3	1.7	2.0	3.3	1.0	5.0	5.0
NTCPR93-283	30.7-	6-	23	20.5+	43.6	16.0	1.4	2.1	4.0	1.5	5.0	4.6
NTCPR93-286	31.8-	6-	23	20.9+	43.9	16.6	1.4	2.0	4.0	1.0	5.0	4.8
S93-1631	38.2	6-	26	20.0	42.4-	11.4	1.7	2.0	2.8	1.8	1.7	1.3
S93-1948	32.8-	3-	28	19.5	45.6+	12.8	1.8	2.5	4.5	1.6	2.7	1.0
S93-2032	37.1	3-	28	20.0	43.6	13.9	2.1	2.4	2.5	1.3	5.0	4.0
S93-2131	38.8	9-	26	20.5+	40.8-	11.9	1.4	2.1	3.2	1.0	1.9	1.0
SC92-24	40.2	3+	28	20.4	42.5	14.1	1.4	1.6	4.0	1.1	5.0	3.4
SC92-212	38.0	4+	30	20.5+	42.5	13.7	1.7	1.8	3.5	1.0	2.0	4.2
SC92-549	37.9	8+	32	20.2	41.6-	15.0	1.5	2.1	1.2	1.0	1.3	3.6
SC92-1835	36.9	5+	30	20.4	42.0-	14.5	1.7	1.8	1.5	1.0	1.4	4.6
SC92-1852	36.7	6+	33	20.7+	41.1-	12.7	1.9	1.8	1.3	1.0	1.4	4.7
TN93-124	37.5	7-	25	21.1+	43.0	12.7	1.5	2.3	3.8	1.3	4.9	4.3
TN93-142	39.7	2-	27	20.7+	42.0-	15.6	1.4	2.2	3.3	1.0	1.6	1.0
TN93-154	36.7	6-	27	21.0+	42.1-	14.1	1.3	2.1	3.3	1.4	1.4	3.0
TN93-223	34.9	6-	24	20.4	42.3-	14.2	1.6	2.3	3.7	1.7	5.0	4.8
V92-0950	36.1	7-	28	21.3+	41.5-	15.3	1.5	2.5	4.0	1.7	5.0	4.6
VS94-05	31.4-	3+	40	19.5	41.8-	15.5	3.0	2.0	4.0	1.8	5.0	4.4
VS94-18	24.6-	2-	27	18.9-	44.7+	15.1	1.9	2.5	4.3	1.4	5.0	5.0
Overall Mean	35.2			20.3	42.8							
L.S.D (.05)	6.1			0.6	1.1							
C.V.	16%			2%	2%							

TABLE 45A - SEED YIELD IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS	BEAUMONT	BIXBY	JAY	PETERS-	STONE-	STUTT-	TALLASEE	WHITEVILLE	MEAN
	GA	TX	OK	FL	BURG VA	VILLE MS (B)	GART AR	AL†	NC†	
BRIM	46.7	39.5	20.2	39.5	38.0	40.2	47.7	17.7	52.3	38.8
DILLON	40.1	39.7	24.3	35.0	42.0	46.8+	52.0	17.4	49.2	40.0
BEDFORD	31.7-	35.6	25.6+	28.5	32.0	39.7	41.6	15.2	30.4-	33.5
TN690	.	35.1	18.7	27.5-	33.0	40.0	38.9-	14.9	29.4-	32.2-
AU92-6	31.4-	39.9	25.3+	25.5-	31.0	44.5	42.0	18.5	34.2	34.2
AU92-80	36.9-	44.1	17.1	19.5-	46.0	42.8	51.9	21.5	14.9-	36.9
AU92-763	53.3	33.1	23.2	26.5-	38.0	41.8	52.2	27.9+	54.2	38.3
AU92-3203	41.9	43.9	23.7	27.5-	32.0	48.8+	52.2	17.0	38.7	38.6
AU92-3414	40.6	30.4	24.0	32.0	34.0	57.9+	51.4	23.8	39.8	38.6
D92-3602	38.9	36.6	26.1+	23.0-	41.0	38.4	38.8-	22.6	34.7	34.7
D92-3612	34.4-	30.0	35.1+	27.0-	30.0	39.8	40.8	22.6	35.1	33.9
D93-5319	38.0-	29.4	29.5+	22.0-	37.0	40.1	43.0	22.7	25.1-	34.1
D93-5554	39.9	36.4	20.4	13.5-	34.0	41.6	39.7	18.2	23.7-	32.2-
D93-6815	35.4-	15.2-	23.0	35.0	37.0	35.6	46.8	16.6	39.5	32.6-
F90-5607	.	39.2	25.2+	30.5	25.0	38.8	43.6	15.4	31.8-	33.7
F91-1419	31.8-	37.5	23.4	33.5	30.0	40.8	42.9	20.2	22.7-	34.3
F91-1577	.	27.6-	1.0-	17.0-	16.0	25.3-	31.9-	8.7-	30.8-	19.8-
G91-34	37.7-	27.3-	28.7+	22.5-	46.0	34.0-	45.7	23.6	40.6	34.5
G91-291	42.9	28.6	26.2+	30.0	53.0	36.1	39.8	34.7+	55.9	36.6
G91-307	44.5	30.0	27.2+	18.0-	48.0	41.2	45.2	29.5+	38.0	36.3
G91-322	36.4-	36.3	28.2+	25.0-	32.0	44.8	42.5	27.6+	21.6-	35.0
G91-873	41.9	24.1-	31.3+	22.0-	39.0	31.3-	45.6	28.5+	42.0	33.6
OK89-5618	34.4-	31.8	29.3+	28.5	38.0	33.3-	39.7	22.4	44.6	33.6
OK91-5605	39.9	36.6	16.6	29.0	38.0	47.1+	45.0	12.8	28.2-	36.0
OK91-5924	32.0-	26.0-	19.6	23.5-	27.0	36.5	43.2	18.5	39.0	29.7-
R92-1125	40.8	32.0	31.4+	28.0-	34.0	40.9	42.1	16.3	39.0	35.6
R92-1258	46.3	36.8	22.8	34.5	40.0	49.5+	48.7	23.9	43.8	39.8
R92-1611	37.2-	33.2	21.9	27.0-	51.0	45.9+	48.3	10.6	23.2-	37.8
TSB92-155 1	40.2	37.9	26.0+	35.0	43.0	40.2	40.4	21.1	30.0-	37.5
L.S.D. (0.05)	8.3	11.6	4.6	11.1	.	5.5	8.5	8.6	20.1	5.8
C.V. (%)	10.3	16.9	11.7	19.9	23.0	6.6	9.4	20.1	27.6	15.5

†Not included in mean.

TABLE 45B - SEED YIELD IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	ATHENS	BEAUMONT	BIXBY	JAY	PETERS-	PORTAGE-	STONE-	STUTT-	TALLASSEE	WHITEVILLE	MEAN
	GA	TX	OK	FL	BURG VA	VILLE MO (B)	VILLE MS (B)	GART AR	AL†	NC†	
BRIM	44.7	36.1	26.4	29.5	47.0	46.2	42.3	49.3	25.2	44.1	40.2
DILLON	42.9	34.9	24.2	36.0	30.0-	41.5	48.6	45.5	22.5	54.1	37.9
BEDFORD	31.4-	36.2	26.8	28.5	29.0-	34.3-	41.7	49.7	20.5	28.2	34.7
TN690	.	37.6	16.2-	26.0	29.0-	32.7-	48.3	40.4-	14.2-	24.5-	32.9-
N90-8005	30.5-	25.6-	24.0	23.0	33.0-	34.4-	25.4-	42.0-	23.2	30.4	29.7-
N91-143	40.9	27.2-	22.4-	30.0	32.0-	36.0-	42.4	46.8	20.4	39.1	34.7
N91-6026	42.1	25.4-	17.8-	36.0	39.0	37.4-	28.1-	37.9-	22.4	38.0	32.9-
N91-6032	32.8	31.3	25.0	30.5	38.0	47.7	18.8-	40.5-	22.6	41.8	33.1-
N93-132	45.2	34.9	24.5	34.0	39.0	46.4	44.0	55.9	27.6	56.6	40.5
N93-430	45.0	36.2	20.0-	31.5	45.0	42.0	37.7	38.8-	21.9	49.5	37.0
N93-1128	41.2	31.3	8.4-	24.5	42.0	21.7-	41.4	42.3-	13.5-	35.2	31.6-
N93-1228	38.2	35.9	17.6-	23.5	37.0	37.4-	27.7-	38.2-	25.5	41.4	31.9-
NTCPR93-283	38.4	23.8-	11.9-	24.0	32.0-	29.4-	38.9	47.2	8.1-	39.4	30.7-
NTCPR93-286	42.5	26.7-	10.9-	22.5	35.0-	34.7-	37.2	44.6	7.7-	45.5	31.8-
S93-1631	44.4	37.0	25.9	32.0	29.0-	42.3	51.9+	42.8	22.7	42.4	38.2
S93-1948	39.1	30.3	26.7	28.0	30.0-	35.7-	34.1-	38.2-	23.7	31.4	32.8-
S93-2032	41.7	34.4	23.6	32.0	39.0	36.1-	41.9	47.8	16.6-	23.5-	37.1
S93-2131	37.4	33.8	30.3+	33.5	32.0-	42.6	50.9+	49.9	24.4	40.8	38.8
SC92-24	37.9	36.3	25.1	39.5+	46.0	48.7	38.0	50.0	24.3	56.5	40.2
SC92-212	41.7	35.7	26.6	31.5	45.0	39.9	38.5	44.9	25.6	51.5	38.0
SC92-549	37.2	38.7	28.9	32.0	45.0	43.0	36.5	41.7-	26.8	34.9	37.9
SC92-1835	43.3	31.4	24.9	36.5	41.0	46.8	31.6-	39.9-	25.4	50.2	36.9
SC92-1852	35.5	35.0	23.8	38.5+	50.0	41.4	31.2-	38.0-	31.2	40.0	36.7
TN93-124	47.3	41.1	22.2-	28.5	30.0-	31.8-	50.0+	49.2	18.9	28.4	37.5
TN93-142	47.3	38.1	29.4	36.0	32.0-	39.7	47.4	47.6	27.0	49.9	39.7
TN93-154	40.6	33.5	26.6	32.0	32.0-	41.6	45.6	41.7-	19.5	37.1	36.7
TN93-223	36.9	30.0	21.1-	25.5	27.0-	37.8-	51.4+	49.3	19.0	34.8	34.9
V92-0950	39.3	33.5	13.3-	33.5	37.0	36.5-	50.3+	45.7	22.2	41.4	36.1
VS94-05	44.3	28.9	17.2-	27.0	44.0	36.9-	17.5-	35.8-	16.8-	30.1	31.4-
VS94-18	37.6	18.2-	4.5-	21.5	34.0-	32.9-	17.3-	31.2-	10.0-	33.7	24.6-
L.S.D. (0.05)	13.3	7.9	3.7	8.3	11.0	8.2	6.4	6.8	7.9	16.7	6.1
C.V. (%)	16.1	11.9	10.4	13.6	15.0	10.4	8.1	6.1	18.6	20.5	15.7

† Not included in mean.

TABLE 46A - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS GA	BEAUMONT TX	JAY FL	PETERSBURG VA	STONEVILLE MS	STUTTGART AR	TALLASSEE AL	WHITEVILLE NC	MEAN
BRIM	19.8	19.2	21.8	19.8	19.7	19.9	20.5	20.0	20.0
DILLON	20.6	20.0	22.0	20.5	20.4	20.8	20.4	21.2	20.7
BEDFORD	19.3	19.3	21.4	20.3	19.6	20.0	20.5	20.6	20.0
TN690	20.1	19.9	20.4	20.9	20.0	20.8	20.4	20.4	20.4
AU92-6	20.8	20.2	21.4	20.9	20.6	20.7	21.1	21.1	20.8
AU92-80	20.4	20.5	22.4	21.2	20.9	21.2	20.6	21.6	21.1
AU92-763	20.4	19.5	22.8	20.6	19.8	20.2	21.7	21.2	20.6
AU92-3203	19.6	19.9	21.3	19.8	19.8	20.0	20.1	20.0	20.1
AU92-3414	20.1	19.9	21.6	20.1	20.3	20.2	20.8	20.1	20.4
D92-3602	21.0	20.6	22.5	19.8	18.9	19.5	19.8	20.1	20.4
D92-3612	20.2	20.2	23.3	20.1	20.5	20.4	20.9	20.6	20.8
D93-5319	19.5	18.5	21.3	19.4	19.0	19.0	19.3	19.8	19.5
D93-5554	19.0	19.8	22.1	19.5	20.0	20.0	19.8	19.7	20.1
D93-6815	19.8	19.2	22.0	19.3	19.7	19.8	19.8	20.1	20.0
F90-5607	.	18.6	20.2	19.3	19.3	19.7	19.8	19.3	19.4
F91-1419	20.4	19.9	21.7	20.9	21.2	20.5	21.0	20.5	20.8
F91-1577	20.4	20.1	21.3	20.3	19.7	19.3	19.9	19.3	20.2
G91-34	20.3	20.5	22.6	20.1	19.9	20.4	18.8	21.4	20.6
G91-291	20.2	20.9	22.9	20.3	20.4	20.2	19.6	20.6	20.8
G91-307	20.3	19.8	21.7	19.4	19.4	19.8	19.2	20.1	20.1
G91-322	20.9	20.6	22.5	20.6	20.2	20.7	21.3	21.0	20.9
G91-873	19.2	19.7	21.9	20.8	20.2	20.2	19.0	21.1	20.3
OK89-5618	19.6	19.9	22.7	20.7	21.3	21.2	21.4	21.1	20.9
OK91-5605	20.6	20.1	22.5	20.7	21.4	21.1	21.4	21.1	21.1
OK91-5924	20.1	19.1	22.1	20.9	20.7	19.7	21.3	21.4	20.4
R92-1125	20.5	19.4	22.4	20.9	20.5	20.0	21.3	20.8	20.6
R92-1258	20.1	19.7	22.7	20.7	20.8	20.7	21.3	21.3	20.8
R92-1611	21.0	20.1	23.0	21.3	21.3	21.5	21.7	21.8	21.4
TSB92-155	19.1	19.2	20.8	19.5	18.6	19.6	19.6	19.4	19.5

TABLE 46B - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STAIN/ VARIETY	PETERS-		PORTAGE-		STONEVILLE MS	STUTTGART AR	TALLASSEE AL	WHITEVILLE NC	MEAN	
	ATHENS GA	BEAUMONT TX	JAY FL	BURG VA						VILLE MO (B)
BRIM	20.0	18.9	22.2	20.4	18.9	19.2	19.7	19.9	19.9	19.9
DILLON	20.5	19.7	22.7	20.0	19.4	20.3	20.5	21.1	20.9	20.4
BEDFORD	20.5	19.3	22.1	20.1	18.4	19.8	19.4	20.0	20.4	19.9
TN690	20.3	19.7	21.9	20.6	17.7	19.9	19.9	20.9	20.9	20.0
N90-8005	20.6	21.0	22.7	20.9	19.3	21.3	20.6	21.4	20.8	20.9
N91-143	20.3	18.5	22.6	20.3	19.1	19.5	20.3	20.9	20.8	20.1
N91-6026	19.8	20.3	22.1	20.4	18.8	18.5	20.3	20.4	19.8	20.0
N91-6032	20.5	20.7	22.3	20.3	19.7	19.6	20.9	20.1	20.5	20.6
N93-132	20.3	19.8	22.8	20.4	19.5	20.1	20.7	21.2	20.5	20.5
N93-430	20.7	20.1	22.8	20.4	19.9	20.2	20.9	21.1	21.3	20.7
N93-1128	20.6	19.7	22.2	20.6	19.4	20.7	20.7	21.7	20.4	20.6
N93-1228	19.0	18.2	21.4	18.2	18.0	18.6	18.2	19.1	19.2	18.8
NTCPR93-283	20.2	19.8	22.5	20.0	19.3	20.7	21.1	20.7	20.9	20.5
NTCPR93-286	20.3	19.7	23.0	20.1	20.0	21.6	21.5	20.6	21.0	20.9
S93-1631	19.5	20.7	21.9	20.3	18.2	19.8	19.8	20.6	20.3	20.0
S93-1948	19.8	19.0	22.0	19.9	17.9	18.9	18.8	20.5	19.7	19.5
S93-2032	20.0	19.4	22.3	19.5	18.9	20.0	20.1	20.1	20.0	20.0
S93-2131	22.1	19.9	22.4	20.6	19.2	19.3	20.0	20.9	20.7	20.5
SC92-24	20.2	19.4	22.7	20.3	19.7	19.9	20.4	20.4	20.8	20.4
SC92-212	20.6	20.4	22.5	20.7	19.2	19.0	21.0	20.9	20.9	20.5
SC92-549	20.3	20.3	22.4	20.0	18.6	19.2	20.4	19.7	20.8	20.2
SC92-1835	20.4	20.8	22.8	19.6	19.1	20.1	20.2	20.2	20.8	20.4
SC92-1852	20.9	20.9	22.8	20.9	19.9	19.1	20.5	21.4	21.2	20.7
TN93-124	20.5	21.3	22.3	21.4	19.9	20.9	21.5	21.9	21.2	21.1
TN93-142	20.9	21.0	21.9	20.6	19.2	20.6	20.6	20.8	20.4	20.7
TN93-154	20.7	21.3	22.0	21.2	20.1	20.4	21.1	21.3	21.2	21.0
TN93-223	20.7	20.6	21.7	20.1	19.4	20.1	20.5	20.7	21.2	20.4
V92-0950	20.9	21.6	22.7	21.0	20.1	21.2	21.5	21.5	20.8	21.3
VS94-05	19.3	19.4	21.4	20.1	18.0	18.9	19.2	19.3	20.6	19.5
VS94-18	18.4	18.0	21.7	19.1	18.3	17.6	19.5	20.1	19.2	18.9

TABLE 47A - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS GA	BEAU- MONT TX	JAY FL	PETERS- BURG VA	STONE- VILLE MS	STUTT- GART AR	TALLAS- SEE AL	WHITE- VILLE NC	MEAN
BRIM	43.3	47.5	42.5	41.5	44.3	42.7	41.2	44.6	43.6
DILLON	42.2	46.5	41.5	41.0	43.9	42.0	41.6	43.2	42.9
BEDFORD	43.9	45.9	39.9	41.2	42.8	41.6	41.6	44.9	42.6
TN690	45.7	47.3	40.8	43.2	45.6	43.4	43.4	45.2	44.3
AU92-6	43.8	46.1	39.8	40.8	43.2	42.3	41.6	42.8	42.7
AU92-80	43.0	48.1	40.9	41.5	43.4	42.6	41.5	43.5	43.3
AU92-763	41.8	45.7	39.1	37.6	42.5	40.8	38.2	41.2	41.3
AU92-3203	42.2	44.6	41.8	40.8	42.5	41.1	42.1	43.4	42.2
AU92-3414	45.5	46.3	42.2	41.7	44.8	42.8	41.6	43.7	43.9
D92-3602	41.5	45.0	39.9	38.6	45.5	43.0	42.1	42.2	42.3
D92-3612	43.2	46.3	39.6	37.9	41.5	42.9	40.1	41.5	41.9
D93-5319	45.5	51.0	43.8	42.5	46.1	44.9	44.0	45.6	45.6
D93-5554	48.4	47.2	42.8	43.4	45.2	43.1	45.2	46.2	45.0
D93-6815	44.1	47.3	40.7	40.5	43.6	41.4	40.9	44.0	42.9
F90-5607	.	49.5	43.2	43.8	47.8	44.9	43.2	46.2	45.8
F91-1419	45.7	48.4	40.6	42.5	45.7	42.2	40.8	44.4	44.2
F91-1577	42.1	43.8	40.3	41.1	44.0	43.3	39.9	43.7	42.4
G91-34	42.0	44.3	39.7	38.4	43.1	42.3	43.1	41.3	41.6
G91-291	40.8	44.1	39.2	37.0	42.1	42.2	42.7	40.6	40.9
G91-307	42.4	45.6	41.2	38.4	42.7	42.2	41.7	42.1	42.1
G91-322	44.6	44.7	40.2	40.8	43.2	39.9	41.1	42.6	42.2
G91-873	40.6	45.3	41.7	35.8	42.4	41.9	43.8	42.2	41.3
OK89-5618	46.2	48.2	41.7	38.9	41.4	41.3	40.5	41.8	43.0
OK91-5605	45.3	49.9	44.5	43.8	44.1	43.7	42.7	45.7	45.2
OK91-5924	43.9	49.3	41.9	41.5	43.4	43.7	41.8	43.0	44.0
R92-1125	40.7	45.3	40.6	39.7	41.5	41.3	38.9	41.4	41.5
R92-1258	42.7	46.3	40.3	41.8	41.7	40.8	39.8	42.5	42.3
R92-1611	44.6	49.6	41.6	42.2	42.4	41.5	42.0	44.5	43.7
TSB92-1551	45.4	46.5	41.4	40.9	44.0	43.5	40.8	46.0	43.6

TABLE 47B - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	BEAU-		JAY FL	PETERS-		PORTAGE- VILLE MO	STONE- VILLE MS	STUTT- GART AR	TALLAS- SEE AL	WHITE- VILLE NC	MEAN
	ATHENS GA	MONT TX		BURG VA	VILLE						
BRIM	44.5	49.1	41.5	40.6	41.4	44.8	42.9	41.4	44.9	43.5	
DILLON	43.0	48.4	40.9	40.4	41.8	44.2	42.3	39.7	43.4	43.0	
BEDFORD	43.3	46.9	40.8	40.5	40.1	43.2	42.1	42.7	43.5	42.4	
TN690	46.3	48.7	43.1	43.4	45.0	45.5	43.9	44.2	44.9	45.1	
N90-8005	42.5	44.0	40.3	41.2	41.1	41.7	41.6	39.7	41.9	41.8	
N91-143	45.4	49.5	40.6	40.9	42.7	44.5	43.6	40.6	43.4	43.9	
N91-6026	42.5	44.0	40.5	38.7	39.5	44.0	41.6	39.0	43.0	41.5	
N91-6032	40.9	45.8	40.9	38.1	38.9	43.9	40.7	39.5	41.9	41.3	
N93-132	43.7	47.0	41.8	39.7	40.8	42.8	42.9	38.0	43.8	42.7	
N93-430	44.4	45.7	42.1	39.9	41.9	43.2	43.0	40.3	43.3	42.9	
N93-1128	44.4	48.5	43.5	43.9	43.5	42.8	43.8	40.2	44.5	44.3	
N93-1228	45.3	49.3	44.2	42.3	41.6	44.1	44.0	42.1	45.5	44.4	
NTCPR93-283	44.3	47.9	41.0	43.8	42.7	44.0	41.4	42.5	44.4	43.6	
NTCPR93-286	44.4	47.5	41.5	43.8	43.2	43.4	43.7	42.4	43.2	43.9	
S93-1631	44.6	44.7	40.7	41.7	41.2	41.7	42.1	40.0	41.9	42.4	
S93-1948	47.1	49.9	42.6	44.2	43.5	46.0	46.1	42.9	46.0	45.6	
S93-2032	44.8	48.2	41.0	42.9	41.6	43.3	43.3	44.0	45.3	43.6	
S93-2131	40.8	44.2	39.8	39.1	39.7	41.2	40.9	39.9	41.9	40.8	
SC92-24	42.7	46.2	40.5	40.4	41.3	43.2	43.3	39.1	42.6	42.5	
SC92-212	43.3	46.6	41.1	38.8	41.1	44.0	42.4	38.8	42.4	42.5	
SC92-549	41.8	44.8	40.5	38.9	40.3	42.7	42.0	38.2	43.1	41.6	
SC92-1835	41.7	45.1	40.6	39.5	40.5	43.1	43.6	38.7	43.7	42.0	
SC92-1852	40.4	44.3	39.5	37.8	39.8	43.4	42.2	37.7	40.9	41.1	
TN93-124	44.2	47.1	42.4	41.6	41.4	42.3	41.8	41.4	43.2	43.0	
TN93-142	42.6	42.9	41.1	41.4	41.9	41.7	42.1	40.2	42.5	42.0	
TN93-154	41.6	45.2	41.3	41.4	41.3	41.9	42.3	41.7	44.3	42.1	
TN93-223	41.9	45.5	41.0	42.3	41.2	42.2	42.0	42.8	42.5	42.3	
V92-0950	41.6	44.4	40.4	41.5	40.7	40.8	41.0	40.7	43.3	41.5	
VS94-05	42.4	45.2	40.8	39.6	40.1	43.5	41.2	40.8	41.6	41.8	
VS94-18	45.8	49.8	42.0	42.4	43.1	46.5	43.3	42.0	45.2	44.7	

TABLE 48A - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS GA	BEAUMONT TX	BIXBY OK	JAY FL	PETERSBURG VA	STONEVILLE MS	STUTTGART AR	TALLASSEE AL	WHITEVILLE NC	MEAN
BRIM	13.4	11.1	13.2	15.2	15	10.2	12.0	11.5	13.5	12.9
DILLON	15.7	13.6	15.9	15.8	15	12.6	14.5	13.8	14.6	14.7
BEDFORD	15.1	10.4	14.0	16.7	15	10.3	11.5	11.4	14.0	13.3
TN690	.	12.4	15.8	14.8	18	12.6	13.5	12.9	16.1	14.5
AU92-6	15.5	10.9	14.5	12.2	16	11.2	13.5	13.0	16.1	13.4
AU92-80	15.2	10.6	13.3	15.1	17	9.1	12.0	12.1	14.5	13.2
AU92-763	14.9	8.7	12.6	13.1	13	8.3	10.5	11.2	13.1	11.6
AU92-3203	15.6	11.8	13.9	14.9	15	11.3	13.5	12.1	16.2	13.7
AU92-3414	15.3	11.1	14.1	14.8	15	11.8	12.5	12.6	15.2	13.5
D92-3602	13.8	10.7	13.2	16.7	13	10.6	12.5	11.5	13.8	12.9
D92-3612	14.3	10.1	14.6	18.2	14	11.6	14.0	12.2	14.1	13.8
D93-5319	16.3	9.7	14.2	16.5	14	11.0	13.0	12.4	15.1	13.5
D93-5554	15.2	12.2	16.5	17.5	16	12.2	14.5	14.2	15.8	14.9
D93-6815	15.1	11.1	12.0	13.8	16	11.3	14.0	11.4	15.5	13.3
F90-5607	.	12.3	13.5	16.2	14	11.8	14.0	12.8	14.8	13.6
F91-1419	15.5	10.9	14.0	15.4	13	12.1	13.0	11.8	13.5	13.4
F91-1577	.	12.4	14.3	15.5	16	12.2	13.5	13.2	15.3	14.0
G91-34	13.9	9.7	12.5	15.4	13	10.6	12.5	10.7	13.9	12.5
G91-291	16.1	12.4	14.4	16.1	17	12.1	14.0	13.2	16.6	14.6
G91-307	14.9	11.3	12.9	17.1	15	10.3	12.5	11.9	14.5	13.4
G91-322	15.9	11.3	15.9	15.9	17	11.1	12.5	14.0	16.3	14.2
G91-873	15.9	10.7	14.0	18.5	16	11.8	13.5	13.3	17.6	14.3
OK89-5618	14.3	11.0	16.5	16.3	16	12.7	14.5	14.2	17.1	14.5
OK91-5605	18.0	12.7	16.9	16.2	18	11.9	14.0	14.0	16.6	15.4
OK91-5924	16.2	10.1	14.7	14.5	16	10.1	12.5	13.5	15.4	13.4
R92-1125	13.6	9.4	13.0	15.4	14	9.6	12.0	11.1	13.7	12.4
R92-1258	16.4	12.9	17.1	15.8	20	12.8	14.0	15.0	16.5	15.6
R92-1611	15.9	11.8	15.2	16.2	15	11.0	13.0	12.4	14.0	14.0
TSB92-1551	15.4	12.4	13.4	14.7	14	11.3	14.0	10.5	14.4	13.6

TABLE 48B - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	ATHENS GA	BEAUMONT TX	BIXBY OK	JAY FL	PETERSBURG VA	PORTAGE- VILLE MO (B)	STONE- VILLE MS (B)	STUTT- GART AR	TALLAS- SEE AL	WHITE- VILLE NC	MEAN
BRIM	13.2	11.7	13.0	13.0	15	10.6	9.6	12.0	11.8	13.3	12.3
DILLON	14.6	14.0	15.6	15.7	17	11.0	11.4	14.0	13.4	16.4	14.2
BEDFORD	14.7	10.7	13.8	15.3	14	9.6	10.7	11.5	12.1	14.4	12.5
TN690	.	14.2	16.5	17.2	16	10.3	12.1	13.5	13.0	15.7	14.3
N90-8005	15.0	12.6	16.1	16.4	17	11.3	13.2	14.5	15.0	17.2	14.5
N91-143	15.4	9.8	13.3	15.8	16	10.5	9.8	12.5	11.5	14.6	12.9
N91-6026	12.6	10.1	12.8	13.8	14	10.7	8.8	13.0	11.4	12.9	12.0
N91-6032	14.6	11.6	15.2	14.6	17	13.5	9.5	15.0	12.9	15.3	13.9
N93-132	14.4	11.2	14.1	13.6	16	12.0	10.1	14.0	12.4	15.8	13.2
N93-430	16.7	12.2	14.9	18.0	17	13.0	12.0	14.0	13.0	17.9	14.7
N93-1128	17.3	12.1	15.8	19.2	19	12.5	13.3	16.0	14.1	19.8	15.6
N93-1228	14.8	12.2	14.4	15.0	15	12.2	9.4	13.0	12.8	15.8	13.3
NTCPR93-283	18.8	14.2	18.5	15.7	22	11.6	11.6	15.5	15.2	19.5	16.0
NTCPR93-286	18.9	13.5	19.9	16.1	21	13.0	13.6	16.5	16.2	19.6	16.6
S93-1631	13.1	10.5	12.7	12.2	13	9.4	10.1	10.0	11.2	12.9	11.4
S93-1948	15.4	10.2	14.1	14.4	15	11.1	10.1	12.5	12.4	15.7	12.8
S93-2032	14.9	11.3	14.7	15.6	16	11.8	12.3	15.0	14.4	17.4	13.9
S93-2131	14.2	9.8	12.7	13.8	14	9.9	9.0	12.0	10.6	14.5	11.9
SC92-24	15.6	11.7	15.8	14.1	17	13.0	11.8	13.5	13.8	16.5	14.1
SC92-212	15.2	14.0	14.4	13.8	16	12.3	10.1	14.0	12.5	16.6	13.7
SC92-549	16.7	13.4	15.4	16.7	17	13.7	12.3	15.0	12.2	17.5	15.0
SC92-1835	15.5	11.6	14.7	14.9	20	13.6	11.7	14.0	11.8	16.3	14.5
SC92-1852	14.6	10.8	12.0	14.2	16	11.7	9.7	12.5	11.2	13.7	12.7
TN93-124	13.3	11.2	15.1	15.1	15	9.7	10.0	12.0	13.3	13.4	12.7
TN93-142	16.1	14.8	17.5	17.1	19	13.0	13.8	13.5	16.5	16.0	15.6
TN93-154	14.0	12.8	16.1	16.8	17	11.3	11.6	13.0	13.7	16.8	14.1
TN93-223	15.1	13.6	16.1	16.7	15	10.9	12.0	14.0	14.5	15.4	14.2
V92-0950	15.6	13.4	17.2	17.4	20	11.1	12.9	15.0	15.2	16.4	15.3
VS94-05	16.9	13.1	16.6	14.5	20	15.0	10.8	17.0	14.2	16.9	15.5
VS94-18	16.7	11.5	17.1	15.0	21	14.0	11.3	14.5	15.2	19.4	15.1

TABLE 49A - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS	BEAU- MONT	BIXBY	JAY	PETERS- BURG	STONE- VILLE	STUTT- GART	TALLAS- SEE	WHITE- VILLE	MEAN
	GA	TX	OK	FL	VA	MS (B)	AR	AL	NC	
BRIM	33	34	21	19	31	39	38	27	36	31
DILLON	31	33	23	22	23	27	27	28	31	26
BEDFORD	32	34	24	25	29	30	33	27	22	30
TN690	.	29	19	21	24	19	17	29	18	21
AU92-6	29	26	23	22	26	30	21	28	19	25
AU92-80	25	28	18	17	22	22	21	26	14	22
AU92-763	29	26	20	16	22	26	22	27	22	23
AU92-3203	34	33	23	19	25	35	31	30	29	28
AU92-3414	30	31	22	19	24	31	21	29	22	25
D92-3602	35	36	12	20	25	35	28	31	23	27
D92-3612	28	32	12	18	22	28	31	26	25	24
D93-5319	27	30	21	16	23	29	25	24	19	24
D93-5554	26	29	17	22	25	24	22	24	17	23
D93-6815	33	40	25	25	28	38	31	38	31	31
F90-5607	.	35	23	22	24	31	23	31	26	26
F91-1419	22	28	20	20	18	24	17	25	16	21
F91-1577	.	27	20	16	17	28	18	25	24	21
G91-34	30	34	22	18	24	28	32	29	27	27
G91-291	32	35	25	21	31	26	33	33	33	29
G91-307	29	32	21	18	23	28	32	25	24	26
G91-322	26	29	26	18	25	26	23	29	18	25
G91-873	32	33	26	20	29	31	31	30	28	29
OK89-5618	26	31	22	20	27	25	25	26	24	25
OK91-5605	29	31	21	21	23	23	15	24	16	23
OK91-5924	25	29	21	19	22	22	23	26	19	23
R92-1125	30	30	21	20	25	27	25	25	20	25
R92-1258	31	36	22	20	23	32	30	26	26	28
R92-1611	25	31	18	21	22	26	22	28	15	23
TSB92-1551	26	33	18	17	26	28	27	25	18	25

TABLE 49B - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	BEAU-		BIXBY	JAY	PETERS-		PORTAGE-		STONE-		STUTT-		TALLAS-		WHITE-		MEAN
	ATHENS	MONT			BURG	VILLE	VILLE	GART	SEE	VILLE	GA	TX	OK	FL	VA	MO (B)	
BRIM	34	32	22	21	26	44	37	41	26	32	32	32					
DILLON	29	34	24	31	26	40	26	25	27	29	29	29					
BEDFORD	31	33	23	21	31	40	28	29	31	23	29	29					
TN690	.	31	19	23	21	26	16	16	26	18	22	22					
N90-8005	22	22	20	18	24	23	15	19	26	17	20	20					
N91-143	37	42	27	25	32	42	35	41	37	31	35	35					
N91-6026	36	36	26	24	29	47	35	37	31	34	34	34					
N91-6032	35	41	22	20	27	51	49	51	34	46	37	37					
N93-132	35	33	27	21	32	44	32	43	31	41	33	33					
N93-430	28	29	22	22	29	37	23	24	26	25	27	27					
N93-1128	23	24	16	17	21	28	15	20	23	15	20	20					
N93-1228	27	30	22	17	26	33	20	28	56	28	25	25					
NTCPR93-283	24	25	19	25	23	30	24	17	23	22	23	23					
NTCPR93-286	26	24	17	22	23	31	20	20	22	23	23	23					
S93-1631	30	27	23	22	25	36	23	21	29	22	26	26					
S93-1948	31	31	21	24	21	36	27	31	26	23	28	28					
S93-2032	29	32	21	21	25	35	27	32	26	30	28	28					
S93-2131	26	29	22	23	26	34	25	24	28	25	26	26					
SC92-24	29	30	21	24	26	40	26	32	24	35	28	28					
SC92-212	32	32	26	25	23	40	28	36	28	31	30	30					
SC92-549	32	36	28	25	28	43	26	39	31	28	32	32					
SC92-1835	32	34	29	21	25	42	27	34	30	37	30	30					
SC92-1852	38	36	24	25	27	45	33	37	36	31	33	33					
TN93-124	26	28	19	26	20	36	24	19	24	18	25	25					
TN93-142	28	31	22	22	24	34	25	31	26	25	27	27					
TN93-154	28	32	19	22	26	36	23	28	25	26	27	27					
TN93-223	25	27	26	18	24	27	22	21	28	20	24	24					
V92-0950	30	31	21	22	30	39	28	26	26	24	28	28					
VS94-05	47	42	26	22	30	52	50	50	29	41	40	40					
VS94-18	24	31	21	23	25	32	26	31	29	24	27	27					

TABLE 50A - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS	BEAU-	JAY	PETERS-	STONE-	STUTT-	TALLAS-	WHITE-	MEAN
	GA	MONT TX	FL	BURG VA	VILLE MS	GART AR	SEE AL	VILLE NC	
BRIM	1.5	1.0	3.5	1.0	2.0	2.5	1.0	2.0	1.9
DILLON	1.8	1.0	3.0	1.0	2.0	2.0	0.0	1.0	1.8
BEDFORD	2.0	1.0	3.0	1.0	1.5	1.5	1.0	1.0	1.7
TN690	.	1.0	2.0	1.0	2.0	1.0	1.5	1.0	1.4
AU92-6	2.0	1.0	2.0	1.0	2.0	1.5	0.5	1.0	1.6
AU92-80	1.5	1.0	1.5	1.0	1.0	1.0	0.0	1.0	1.2
AU92-763	1.8	1.0	1.5	1.0	2.0	2.0	1.3	1.0	1.5
AU92-3203	2.3	1.3	2.0	1.0	2.0	2.0	0.5	1.5	1.8
AU92-3414	1.8	1.0	2.0	1.0	1.5	1.0	1.3	1.0	1.4
D92-3602	2.0	2.3	4.0	1.0	2.0	2.5	1.5	1.0	2.3
D92-3612	2.0	2.0	2.5	1.0	2.0	4.5	1.8	2.0	2.3
D93-5319	2.0	1.0	3.0	1.0	1.5	2.0	1.8	1.0	1.8
D93-5554	1.5	1.0	4.0	1.0	1.0	1.5	1.5	1.0	1.7
D93-6815	2.0	2.0	4.0	1.5	2.0	3.0	2.0	2.5	2.4
F90-5607	.	2.0	4.5	1.5	2.0	1.5	1.3	1.0	2.3
F91-1419	1.5	1.0	3.5	1.0	1.0	1.0	0.0	1.0	1.5
F91-1577	.	2.8	3.5	1.0	2.0	1.0	2.0	1.5	2.1
G91-34	2.0	1.0	2.5	1.0	2.0	2.0	1.5	1.5	1.8
G91-291	1.8	1.3	2.5	2.0	1.0	2.0	2.0	1.5	1.8
G91-307	1.8	1.3	2.5	1.0	1.5	2.0	1.5	1.0	1.7
G91-322	2.0	1.0	3.0	1.0	1.5	1.0	2.0	1.0	1.6
G91-873	2.0	1.0	2.5	1.0	1.5	2.0	1.3	1.5	1.7
OK89-5618	1.5	1.0	2.0	1.5	1.0	1.5	1.8	1.0	1.4
OK91-5605	1.5	1.0	2.0	1.0	1.0	1.0	0.0	1.0	1.3
OK91-5924	1.5	1.0	2.0	1.5	1.0	2.0	0.0	1.0	1.5
R92-1125	1.5	1.0	2.0	1.0	2.0	1.0	0.0	1.0	1.4
R92-1258	1.5	1.0	1.5	1.0	1.5	1.5	1.5	1.0	1.3
R92-1611	1.5	1.0	1.5	1.0	1.5	1.0	0.5	1.0	1.3
TSB92-1551	1.5	1.3	2.0	1.0	1.5	2.5	1.8	1.0	1.6

TABLE 50B - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	ATHENS	BEAU-	JAY	PETERS-	PORTAGE-	STONE-	STUTT-	TALLAS-	WHITE-	MEAN
	GA	MONT TX	FL	BURG VA	VILLE MO (A)	VILLE MS (B)	GART AR	SEE AL	VILLE NC	
BRIM	1.8	1.0	3.0	1.0	1.5	2.0	2.5	1.3	1.5	1.8
DILLON	1.5	1.3	3.0	1.0	1.5	1.0	1.5	0.5	1.0	1.5
BEDFORD	2.3	1.0	3.0	1.0	2.0	1.0	1.0	1.8	1.0	1.6
TN690	.	1.0	2.5	1.0	1.0	1.0	1.0	1.3	1.0	1.3
N90-8005	1.0	1.0	2.5	1.0	1.0	1.0	1.0	1.0	1.5	1.2
N91-143	1.5	1.0	2.5	1.0	1.5	2.0	2.5	1.8	2.0	1.7
N91-6026	2.5	1.0	3.5	2.0	2.0	2.0	3.0	1.8	2.0	2.3
N91-6032	2.0	1.5	4.0	1.0	1.5	4.0	3.0	1.3	3.0	2.4
N93-132	1.8	1.0	4.0	1.0	2.0	2.0	3.0	1.3	2.5	2.1
N93-430	2.0	1.0	2.5	1.0	2.0	1.0	1.5	1.5	1.0	1.6
N93-1128	1.8	1.0	2.5	1.0	1.0	1.0	2.0	0.8	2.0	1.5
N93-1228	2.0	1.3	2.5	1.0	2.0	1.0	2.0	1.6	2.0	1.7
NTCPR93-283	1.5	1.0	3.0	1.0	1.0	1.5	1.0	0.0	1.0	1.4
NTCPR93-286	1.5	1.0	3.0	1.0	1.0	1.0	1.0	0.0	1.0	1.4
S93-1631	2.8	1.0	2.5	1.0	2.0	1.5	1.0	1.3	1.0	1.7
S93-1948	2.3	1.0	3.5	1.0	1.5	1.5	2.0	1.5	1.5	1.8
S93-2032	2.0	1.0	3.5	1.0	2.5	2.0	2.5	2.0	1.5	2.1
S93-2131	2.0	1.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0	1.4
SC92-24	1.8	1.0	2.0	1.0	1.5	1.0	1.5	1.3	2.0	1.4
SC92-212	2.3	1.0	2.5	1.0	2.0	1.0	2.0	1.3	1.5	1.7
SC92-549	2.3	1.0	2.0	1.0	1.5	1.0	2.0	1.8	1.0	1.5
SC92-1835	2.0	1.0	2.5	1.0	2.0	1.5	2.0	1.5	2.0	1.7
SC92-1852	2.5	1.0	3.0	1.5	2.0	1.0	2.0	1.8	1.5	1.9
TN93-124	1.8	1.0	3.0	1.0	1.0	1.5	1.0	0.5	1.0	1.5
TN93-142	1.5	1.0	2.0	1.0	1.0	1.5	1.5	1.0	1.0	1.4
TN93-154	1.8	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.5	1.3
TN93-223	2.0	1.0	3.5	1.0	2.0	1.0	1.0	1.0	1.0	1.6
V92-0950	1.8	1.0	3.0	1.0	1.0	1.5	1.0	0.0	1.0	1.5
VS94-05	3.5	1.3	4.5	1.0	2.5	4.0	4.0	1.8	3.5	3.0
VS94-18	2.0	1.0	4.5	1.0	1.0	1.5	2.0	1.8	1.5	1.9

TABLE 51A - SEED QUALITY SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIA, 1995.

STRAIN/ VARIETY	ATHENS	BEAUMONT	JAY	PETERS-	STONE-	TALLASSEE	WHITE-	MEAN
	GA	TX	FL	BURG VA	VILLE MS (B)	AL	VILLE NC	
BRIM	1.5	1.0	3	2.0	2	1.0	3	1.9
DILLON	1.8	1.3	3	2.0	2	1.5	3	2.0
BEDFORD	2.0	2.5	2	2.5	2	1.5	3	2.2
TN690	.	2.3	4	4.5	2	3.0	3	3.2
AU92-6	2.0	1.3	4	3.0	2	1.5	3	2.5
AU92-80	2.0	1.0	3	3.0	2	1.0	3	2.2
AU92-763	1.8	1.3	3	2.0	2	1.0	2	2.0
AU92-3203	2.0	1.0	2	2.0	2	2.0	3	1.8
AU92-3414	1.8	1.5	3	2.5	2	1.0	2	2.2
D92-3602	1.5	1.3	2	1.5	2	1.0	3	1.6
D92-3612	1.8	1.8	3	1.0	2	1.0	3	1.9
D93-5319	1.8	1.8	3	2.5	2	1.0	3	2.2
D93-5554	1.5	2.5	3	2.0	2	1.0	3	2.2
D93-6815	1.8	1.3	2	2.5	2	1.0	3	1.9
F90-5607	.	1.0	2	3.0	2	2.0	4	2.0
F91-1419	2.0	1.0	2	2.0	2	1.5	4	1.8
F91-1577	.	1.0	2	3.0	2	1.0	3	2.0
G91-34	1.8	1.0	3	2.0	2	1.0	3	2.0
G91-291	1.5	1.0	2	1.0	2	1.0	2	1.5
G91-307	1.5	1.3	4	1.0	2	1.0	2	2.0
G91-322	1.6	1.3	2	3.0	2	1.5	4	2.0
G91-873	1.5	1.3	2	2.0	2	1.0	2	1.8
OK89-5618	1.8	1.5	3	2.0	2	1.0	3	2.1
OK91-5605	2.0	1.0	3	2.0	2	1.5	4	2.0
OK91-5924	1.8	1.8	3	3.5	2	1.5	4	2.4
R92-1125	2.0	1.0	2	3.0	2	1.5	3	2.0
R92-1258	2.0	1.0	2	3.5	2	1.5	3	2.1
R92-1611	1.8	2.0	3	3.0	2	2.0	4	2.4
TSB92-1551	1.5	1.0	3	2.0	2	1.0	3	1.9

TABLE 51B - SEED QUALITY SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIB, 1995.

STRAIN/ VARIETY	ATHENS	BEAUMONT	JAY	PETERS-	PORTAGE-	STONE-	TALLAS-	WHITE-	MEAN
	GA	TX	FL	BURG VA	VILLE MO (B)	VILLE MS (B)	SEE AL	VILLE NC	
BRIM	1.5	1.0	3	1.5	1.5	2	1.0	3	1.8
DILLON	1.8	1.3	2	2.0	1.5	2	1.0	3	1.8
BEDFORD	2.0	2.3	4	3.0	1.5	2	1.5	4	2.5
TN690	.	2.3	5	3.0	1.5	2	3.0	4	2.8
N90-8005	2.3	1.3	2	3.0	2.0	3	1.5	3	2.3
N91-143	1.8	1.3	2	1.0	2.0	2	1.0	3	1.7
N91-6026	2.0	1.0	2	2.0	2.0	2	1.0	3	1.8
N91-6032	2.0	1.8	2	1.5	2.0	2	1.0	3	1.9
N93-132	1.8	2.0	3	1.0	1.5	2	1.0	3	1.9
N93-430	1.8	1.5	3	2.5	2.0	2	1.0	3	2.1
N93-1128	2.0	1.3	3	3.0	2.0	2	1.5	3	2.2
N93-1228	1.8	2.0	3	1.0	2.0	2	1.0	3	2.0
NTCPR93-283	2.3	2.3	2	2.5	1.5	2	1.0	4	2.1
NTCPR93-286	2.5	2.3	2	2.0	1.5	2	1.5	3	2.0
S93-1631	2.0	1.3	3	2.0	1.5	2	1.5	3	2.0
S93-1948	2.0	1.3	4	3.5	2.0	2	1.5	4	2.5
S93-2032	2.0	1.5	3	3.0	2.0	3	2.5	3	2.4
S93-2131	2.0	1.5	3	2.0	2.0	2	1.5	3	2.1
SC92-24	1.5	1.0	2	1.0	2.0	2	1.0	2	1.6
SC92-212	1.8	1.3	2	2.0	2.0	2	1.0	2	1.8
SC92-549	1.8	2.0	3	2.0	2.0	2	1.0	2	2.1
SC92-1835	1.5	1.0	2	2.0	2.0	2	1.0	2	1.8
SC92-1852	1.8	1.0	2	2.0	2.0	2	1.0	2	1.8
TN93-124	2.0	1.3	3	4.0	1.5	2	2.0	4	2.3
TN93-142	1.8	1.3	3	3.0	2.0	2	1.0	4	2.2
TN93-154	2.0	1.0	3	3.0	1.5	2	1.0	4	2.1
TN93-223	2.0	1.0	3	4.0	1.5	2	2.0	4	2.3
V92-0950	2.3	1.3	4	4.0	1.5	2	2.0	4	2.5
VS94-05	1.5	1.3	3	2.0	2.5	2	1.5	2	2.0
VS94-18	2.0	1.8	4	3.0	2.0	2	1.5	3	2.5

UNIFORM GROUP VII**1995**

Uniform Group VII nurseries were planted at 17 locations. Data were obtained from 16 of these locations. The parentage for each strain is reported in Table 52. Table 53 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 54 - 59.

TABLE 52 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 1995.

STRAIN/ VARIETY		PARENTAGE		GENERATION COMPOSITED
1. STONEWALL	N73-693	X	F76-8757	F6
2. HASKELL	JOHNSTON	X	BRAXTON	F5
3. AU90-519	HUTCHESON	X	AU82-589	F6
4. G88-3266	HUTCHESON	X	COKER 6738	F6
5. N90-845	BRIM	X	N80-777	F6
6. N91-404	N85-4085	X	BRAXTON	F6
7. SC90-80	YOUNG	X	LEFLORE	F6
8. SC90-831	HUTCHESON	X	COKER 6738	F5
9. AU91-788	G83-198	X	AU89-589	F6
10. G90-1669	COKER 82-622	X	HOWARD	F6
11. G90-3258	STONEWALL	X	BRYAN	F6
12. N90-7199	N77-114	X	PI 416937	F4
13. N92-610	N85-492	X	PI 438302B	F6
14. N92-727	AU82-211	X	N85-578	F6
15. SC91-1791	COKER 6847	X	STONEWALL	F5
16. SC91-2410	NK'S S83-30	X	HOWARD	F5

TABLE 53 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 1995.

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	1995	94-95	93-95	1995	94-95	93-95	1995	94-95	93-95
1. STONEWALL	39.4	43.8	41.5	42.1	42.9	42.3	20.7	20.7	20.8
2. HASKELL	42.2	46.8	44.1	41.1	41.6	41.0	20.3	20.3	20.6
3. AU90-519	41.9	45.0	.	42.3	42.4	.	20.5	20.4	.
4. G88-3266	44.1	47.1	44.5	42.1	42.4	41.8	20.4	20.5	20.8
5. N90-845	44.7	46.9	42.4	42.7	43.2	42.5	20.1	20.1	20.3
6. N91-404	41.5	44.7	.	42.5	43.1	.	20.4	20.5	.
7. SC90-80	43.5	46.1	.	43.3	43.9	.	20.3	20.3	.
8. SC90-831	42.1	45.5	.	41.4	41.5	.	21.0	21.1	.
9. AU91-788	42.8	.	.	42.0	.	.	20.3	.	.
10. G90-1669	42.4	.	.	42.3	.	.	20.3	.	.
11. G90-3258	37.9	.	.	41.6	.	.	20.8	.	.
12. N90-7199	41.0	.	.	41.1	.	.	20.3	.	.
13. N92-610	37.1	.	.	41.7	.	.	20.7	.	.
14. N92-727	41.2	.	.	40.8	.	.	20.9	.	.
15. SC91-1791	44.4	.	.	43.4	.	.	21.1	.	.
16. SC91-2410	42.2	.	.	41.8	.	.	20.2	.	.

BOTANICAL TRAITS

STRAIN/ VARIETY	FL	MAT.	LODGING	HEIGHT	QUALITY	SEED	POD	COLOR
	COLOR	DATE				SIZE	COLOR	
1. STONEWALL	W	-0	1.8	29	1.6	15.3	T	T
2. HASKELL	P	1	2.2	31	1.6	14.8	T	T
3. AU90-519	P	2	2.0	36	1.5	14.0	G	T
4. G88-3266	P	1	2.0	34	1.5	14.6	T	T
5. N90-845	P	4	1.9	29	1.6	13.0	G	T
6. N91-404	P	1	2.0	32	1.8	17.6	T	T
7. SC90-80	W	-1	2.3	35	1.7	14.5	G	T
8. SC90-831	P	0	2.0	37	1.6	14.4	T	T
9. AU91-788	P	2	2.1	36	1.5	11.2	G	T
10. G90-1669	P	2	2.1	33	1.4	12.1	G	T
11. G90-3258	P	-1	1.6	31	1.8	14.8	T	T
12. N90-7199	P	3	1.8	29	1.9	13.4	G	BR
13. N92-610	P	-1	1.9	34	2.1	17.5	G	T
14. N92-727	W	0	1.7	35	1.6	16.7	G	T
15. SC91-1791	W	-0	2.0	36	1.5	14.0	T	T
16. SC91-2410	P	1	2.2	35	1.5	12.9	G	T

† Data from Florence, SC, Jay, FL, Tifton, GA, Whiteville, NC (1995); Bossier City, LA, Jay, FL, Kinston, NC, Quincy, FL (1994); Bossier City, LA, Jackson Sprints, NC, Quincy, FL (1993) not included in mean.

TABLE 53 (Continued).

PEST REACTIONS

STRAIN/ VARIETY	STEM		M. a. GA	M. a. TN	M. i. GA	M. i. TN	SCN		VBC
	CANKER MS						3	14	
1. STONEWALL	1.9		5.0	4.0	5.0	2.0	1.0		4.7
2. HASKELL	1.0		2.5	1.2	1.5	1.0	5.0	5.0	4.5
3. AU91-519	1.1		4.0	3.8	3.3	1.4	4.9	5.0	5.0
4. G88-3266	1.0		3.3	2.8	1.3	1.0	1.0	2.5	5.2
5. N90-845	4.7		3.8	4.0	4.0	2.0	3.7	3.6	4.2
6. N91-404	1.9		3.3	3.5	1.3	1.0	4.6	4.7	4.8
7. SC90-80	3.2		5.0	4.3	2.8	2.7	1.0	3.1	6.2
8. SC90-831	1.0		4.5	4.0	2.8	1.5	1.0	3.7	7.3
9. AU91-788	5.0		4.8	3.8	1.3	1.2	1.0	3.5	5.5
10. G90-1669	4.0		4.0	2.7	1.3	1.0	1.0	1.8	4.2
11. G90-3258	2.9		3.3	1.5	1.0	1.0	1.1	3.6	5.2
12. N90-7199	4.0		3.3	4.2	3.5	1.2	4.7	3.3	5.3
13. N92-610	5.0		4.3	4.3	2.8	2.6	3.4	4.7	5.5
14. N92-727	1.5		4.5	4.2	4.5	2.0	4.6	3.4	4.0
15. SC91-1791	1.0		4.8	4.7	5.0	2.3	1.0	4.6	5.3
16. SC91-2410	1.0		4.5	2.0	1.3	1.1	1.4	2.4	5.7

TABLE 54 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN UNIFORM GROUP VII, 1995.

EAST				
STRAIN/ VARIETY	FLORENCE SC†	JACKSON SPRINGS NC	WHITEVILLE NC†	MEAN
STONEWALL	26.6	42.5	39.3	42.5
HASKELL	29.3	40.8	49.1	40.8
AU90-519	29.2	47.9	50.9	47.9
G88-3266	29.7	47.8	49.2	47.8
N90-845	37.5	52.0	44.1	52.0
N91-404	27.4	43.3	34.7	43.3
SC90-80	28.9	48.7	49.4	48.7
SC90-831	36.5	43.5	44.9	43.5
AU91-788	30.2	42.9	44.0	42.9
G90-1669	26.2	46.8	45.1	46.8
G90-3258	30.5	41.6	39.4	41.6
N90-7199	26.6	49.0	44.4	49.0
N92-610	16.5	44.3	39.9	44.3
N92-727	25.9	42.1	44.5	42.1
SC91-1791	33.0	49.0	43.5	49.0
SC91-2410	26.7	45.5	39.1	45.5
L.S.D. (0.05)	12.2	7.6	16.1	.
C.V. (%)	25.4	10.0	22.1	.

DELTA	
STRAIN/ VARIETY	STONEVILLE MS (B)
STONEWALL	35.8
HASKELL	38.5
AU90-519	31.6
G88-3266	35.2
N90-845	41.5
N91-404	41.5
SC90-80	44.6
SC90-831	40.9
AU91-788	31.1
G90-1669	30.0
G90-3258	33.7
N90-7199	35.0
N92-610	36.4
N92-727	37.1
SC91-1791	33.8
SC91-2410	34.9
L.S.D. (0.05)	5.7
C.V. (%)	9.4

TABLE 54 - (Continued).

STRAIN/ VARIETY	WEST		MEAN
	BEAUMONT TX	BOSSIER CITY LA	
STONEWALL	41.1	55.0	48.0
HASKELL	42.5	57.2	49.9
AU90-519	37.4	63.7	50.6
G88-3266	31.3	69.0	50.1
N90-845	42.2	74.6	58.4
N91-404	32.0	54.7	43.3
SC90-80	26.9	62.2	44.6
SC90-831	25.7	64.5	45.1
AU91-788	40.9	66.6	53.8
G90-1669	31.3	72.9	52.1
G90-3258	38.5	46.4	42.5
N90-7199	36.0	68.1	52.0
N92-610	32.1	53.4	42.7
N92-727	41.1	51.2	46.2
SC91-1791	38.5	59.9	49.2
SC91-2410	34.2	61.0	47.6
L.S.D. (0.05)	7.6	9.7	.
C.V. (%)	12.8	9.5	.

TABLE 54 (Continued).

STRAIN/ VARIETY	SOUTH											MEAN
	ATHENS GA	BATON ROUGE LA	BLACK- VILLE SC (E)	BLACK- VILLE SC (L)	CAL- HOUN GA	FAIR- HOPE AL	JAY FL†	STARK- VILLE MS	TALLAS- SEE AL	QUINCY FL‡	TIFTON GA†	
STONEWALL	41.1	55.0	26.8	35.9	43.4	45.5	30.7	31.8	19.4	0.7	21.2	37.4
HASKELL	37.6	59.8	27.5	36.8	54.8	48.2	36.3	40.3	22.2	4.0	15.5	40.9
AU90-519	33.8	53.6	32.7	38.7	52.9	50.7	38.0	39.6	19.9	11.5	13.1	40.2
G88-3266	43.5	48.9	30.8	38.0	53.0	57.4	28.7	45.1	29.0	14.4	14.3	43.2
N90-845	33.5	45.9	36.8	41.6	54.5	52.4	32.3	36.8	24.3	5.7	12.3	40.7
N91-404	33.9	50.3	30.6	35.9	54.8	51.9	35.3	41.4	27.4	7.3	14.7	40.8
SC90-80	46.1	47.5	35.2	38.9	48.5	52.9	38.0	49.2	21.3	10.3	19.9	42.5
SC90-831	49.1	48.0	28.3	37.7	55.0	48.4	33.3	42.1	22.5	10.4	13.8	41.4
AU91-788	42.1	50.1	30.3	37.3	50.3	48.6	35.0	45.4	28.0	5.4	12.3	41.5
G90-1669	43.8	46.3	33.5	38.6	57.5	49.3	39.3	37.9	20.5	4.0	8.9	40.9
G90-3258	37.7	43.2	27.5	37.8	51.7	45.9	30.0	34.3	16.0	4.2	18.2	36.8
N90-7199	31.9	52.7	31.0	34.7	48.9	51.3	35.0	35.4	17.7	6.7	12.6	38.0
N92-610	43.5	39.7	23.4	35.8	40.3	46.6	33.7	29.2	20.9	5.6	18.6	34.9
N92-727	31.3	52.6	36.9	40.1	48.5	51.3	35.0	40.0	22.0	5.8	13.0	40.3
SC91-1791	50.0	54.1	30.8	38.3	52.6	56.3	38.7	46.3	22.9	9.5	13.2	43.9
SC91-2410	46.7	.	31.6	35.9	52.4	49.1	41.7	42.0	31.4	7.8	12.9	41.3
L.S.D. (0.05)	7.3	.	4.8	5.0	8.6	4.8	10.4	6.9	6.3	8.0	7.6	.
C.V. (%)	10.9	6.5	9.3	7.9	10.0	5.7	17.7	10.3	16.5	67.8	30.7	.

† Not included in mean.

‡ Not included in mean, severe sting and reniform nematode infestation.

TABLE 55 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY IN UNIFORM GROUP VII, 1995.

STRAIN/ VARIETY	ATHENS GA	BEAU- MONT TX	BLACK- VILLE SC (E)	FAIR- HOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	STONE- VILLE MS	TALLAS- SEE AL	WHITE- VILLE NC	MEAN
OIL PERCENTAGE											
STONEWALL	20.6	21.6	20.2	21.0	20.8	21.4	22.8	19.9	20.3	21.0	20.7
HASKELL	19.9	21.2	20.1	20.9	20.7	20.8	22.5	19.4	19.8	21.1	20.3
AU90-519	20.7	20.7	20.6	20.9	21.4	20.7	22.4	19.8	19.9	20.9	20.5
G88-3266	20.4	20.0	20.4	20.7	21.0	21.3	22.5	19.6	20.6	21.1	20.4
N90-845	19.8	19.9	19.9	20.4	20.9	21.1	22.1	19.8	19.8	20.6	20.1
N91-404	19.9	20.8	20.7	20.5	20.7	21.1	22.3	19.2	20.7	21.0	20.4
SC90-80	20.2	19.7	20.9	20.5	21.3	20.9	22.4	19.7	20.4	20.7	20.3
SC90-831	21.3	20.4	20.6	21.4	21.5	21.8	23.3	20.7	20.8	21.5	21.0
AU91-788	20.6	21.0	19.5	20.4	21.3	21.2	22.0	19.1	20.3	20.8	20.3
G90-1669	20.8	19.9	20.1	20.5	20.7	20.5	22.3	19.3	20.7	21.3	20.3
G90-3258	21.1	20.8	20.9	20.5	21.3	21.5	22.4	19.9	20.7	21.4	20.8
N90-7199	20.3	20.7	20.4	20.8	21.1	20.4	22.4	19.2	20.4	21.0	20.3
N92-610	20.4	21.2	20.8	21.2	21.3	20.2	22.3	21.0	20.2	20.7	20.7
N92-727	20.8	20.9	21.2	21.4	21.8	21.2	22.9	20.3	20.8	21.0	20.9
SC91-1791	21.3	21.1	21.3	21.5	21.5	21.6	22.9	20.1	21.1	21.9	21.1
SC91-2410	20.4	20.6	20.0	20.1	20.3	20.6	22.3	19.4	20.1	20.4	20.2
PROTEIN PERCENTAGE											
STONEWALL	42.5	42.9	41.7	44.0	40.5	40.9	41.7	43.2	39.5	43.2	42.1
HASKELL	40.9	42.0	40.6	41.4	39.3	40.3	40.8	42.6	40.2	40.8	41.1
AU90-519	42.4	44.4	41.8	42.4	39.0	41.5	41.4	43.7	40.1	42.9	42.3
G88-3266	40.6	46.3	41.0	42.6	39.6	41.6	41.0	43.3	39.0	42.2	42.1
N90-845	44.2	44.8	42.7	43.0	40.2	42.4	41.0	42.1	40.0	43.1	42.7
N91-404	43.1	43.1	42.5	43.8	40.7	42.4	41.4	43.6	39.2	42.8	42.5
SC90-80	43.2	47.2	41.8	44.2	40.6	42.6	41.9	44.0	40.4	43.1	43.3
SC90-831	39.9	44.7	42.6	42.1	39.3	41.4	40.3	41.4	37.7	42.0	41.4
AU91-788	42.0	42.2	42.2	42.7	38.5	42.7	40.5	43.1	39.1	42.2	42.0
G90-1669	41.5	45.5	41.6	43.2	39.3	42.3	40.9	44.7	37.6	41.7	42.3
G90-3258	41.0	44.9	41.0	42.8	40.0	40.6	41.6	43.2	38.0	43.1	41.6
N90-7199	40.8	42.9	40.7	41.4	38.4	41.3	40.2	42.3	38.3	41.0	41.1
N92-610	42.0	43.2	41.2	41.2	39.7	42.2	41.1	40.9	41.0	41.8	41.7
N92-727	41.2	42.0	39.9	42.0	38.2	39.9	41.0	41.8	38.8	42.0	40.8
SC91-1791	43.3	46.3	42.1	45.3	41.6	42.2	41.7	45.0	39.5	43.7	43.4
SC91-2410	40.2	43.0	40.7	43.2	38.2	42.1	41.7	43.2	40.4	42.5	41.8

TABLE 55 (Continued).

STRAIN/ VARIETY	GRAMS PER 100 SEED												MEAN
	ATHENS GA	BEAU- MONT TX	BLACK- VILLE SC (E)	CAL- HOUN GA	FAIR- HOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	STONE- VILLE MS (B)	TALLAS- SEE AL	TIFTON GA	WHITE- VILLE NC	
STONEWALL	18.2	15.8	13.7	19.9	15.9	13.7	16.3	21.6	11.7	12.7	14.1	18.9	15.5
HASKELL	15.8	15.2	11.6	17.8	15.9	14.1	15.4	18.6	13.7	13.3	11.8	16.8	14.8
AU90-519	15.3	15.1	13.7	16.6	13.2	13.6	15.6	18.0	10.3	12.0	12.5	16.0	14.0
G88-3266	15.5	13.6	13.2	18.9	14.4	13.3	17.7	16.6	12.3	12.6	14.0	17.3	14.8
N90-845	14.6	14.7	11.2	16.5	11.8	12.2	15.0	14.0	10.0	11.1	9.6	15.3	13.1
N91-404	19.1	15.2	16.5	22.6	17.7	18.0	20.0	18.0	14.7	14.5	11.7	19.3	17.5
SC90-80	15.2	12.9	14.2	18.3	14.7	14.3	15.0	15.8	12.8	13.0	13.7	16.0	14.5
SC90-831	15.0	12.6	16.7	17.6	12.8	14.3	16.7	14.6	11.9	11.8	12.4	17.8	14.4
AU91-788	13.4	11.3	9.9	12.5	10.5	10.4	13.1	13.2	8.9	10.9	9.0	12.2	11.3
G90-1669	14.5	12.4	10.4	14.8	11.2	11.0	13.0	13.1	9.6	11.7	11.5	14.3	12.2
G90-3258	16.8	15.0	12.7	20.1	15.1	13.6	16.1	18.9	11.5	12.6	13.4	18.3	15.0
N90-7199	14.4	13.1	12.7	16.2	12.8	13.7	16.4	14.8	9.5	12.1	10.1	15.5	13.4
N92-610	20.6	16.4	16.5	20.3	18.3	16.7	18.5	20.2	14.7	15.3	14.9	20.1	17.6
N92-727	16.7	17.4	16.0	19.7	19.2	15.5	16.8	20.1	14.4	14.6	15.8	20.4	16.9
SC91-1791	15.5	13.0	11.9	18.0	14.7	14.0	14.2	15.6	11.5	12.4	9.9	17.4	13.9
SC91-2410	15.3	12.2	11.6	15.7	12.4	11.8	13.9	16.6	10.5	12.5	12.9	15.9	13.0

TABLE 56 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN STONEWALL FOR STRAIN/VARIETY IN UNIFORM GROUP VII.

EAST				
STRAIN/ VARIETY	FLORENCE SC†	JACKSON SPRINGS NC	WHITEVILLE NC†	MEAN
STONEWALL	10/25	10/23	11/04	10/23
HASKELL	1	5	-3	5
AU90-519	2	12	0	12
G88-3266	3	7	0	7
N90-845	4	12	3	12
N91-404	2	7	0	7
SC90-80	2	3	5	3
SC90-831	1	9	3	9
AU91-788	3	8	-2	8
G90-1669	1	9	-2	9
G90-3258	1	-3	3	-3
N90-7199	4	9	3	9
N92-610	1	6	3	6
N92-727	2	0	3	0
SC91-1791	0	5	-2	5
SC91-2410	1	7	-2	7

SOUTH											
STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BLACK- VILLE SC (E)	BLACK- VILLE SC (L)	CAL- HOUN GA	FAIR- HOPE AL	JAY FL†	STARK- VILLE MS	TALLAS- SEE AL	TIFTON GA†	MEAN
STONEWALL	10/20	10/23	10/25	11/03	10/30	10/20	11/06	10/13	10/29	10/04	10/24
HASKELL	1	3	-1	-1	0	1	-6	2	-4	5	1
AU90-519	2	4	2	0	0	-4	-7	1	1	5	1
G88-3266	0	2	1	0	0	0	-7	3	-3	10	1
N90-845	3	5	7	1	.	2	-2	0	-1	1	2
N91-404	0	4	0	-2	0	0	-6	0	-3	4	0
SC90-80	-3	.	1	-3	.	-4	-2	1	-3	8	-2
SC90-831	0	5	0	-2	0	-4	-6	0	-3	3	0
AU91-788	2	4	0	-2	0	-1	-6	4	-3	1	1
G90-1669	0	2	1	-1	0	-1	-8	4	-3	11	1
G90-3258	-1	1	0	-1	0	0	0	1	-3	2	0
N90-7199	2	5	2	-1	.	1	-2	4	-3	2	1
N92-610	-2	1	1	2	.	-1	0	-9	-5	-8	-2
N92-727	1	1	3	2	-7	1	-2	1	2	2	1
SC91-1791	-2	4	0	-2	0	-2	-2	1	-2	-2	0
SC91-2410	0	2	0	-3	0	-1	-4	4	1	6	1

† Not included in mean.

TABLE 56 - (Continued).

DELTA

STRAIN/ VARIETY	STONEVILLE MS (B)
STONEWALL	10/13
HASKELL	2
AU90-519	2
G88-3266	-1
N90-845	-1
N91-404	0
SC90-80	-1
SC90-831	-1
AU91-788	0
G90-1669	0
G90-3258	-8
N90-7199	0
N92-610	-5
N92-727	-5
SC91-1791	-5
SC91-2410	-1

WEST

STRAIN/ VARIETY	BEAUMONT TX
STONEWALL	10/21
HASKELL	4
AU90-519	1
G88-3266	0
N90-845	8
N91-404	-1
SC90-80	-5
SC90-831	-3
AU91-788	0
G90-1669	5
G90-3258	0
N90-7199	3
N92-610	-5
N92-727	1
SC91-1791	0
SC91-2410	1

TABLE 57 - PLANT HEIGHT FOR STRAIN/VARIETY IN UNIFORM GROUP VII, 1995.

EAST					
STRAIN/ VARIETY	FLORENCE SC†	JACKSON NC	SPRINGS NC†	WHITEVILLE NC†	MEAN
STONEWALL	23	34	29	34	
HASKELL	26	37	33	37	
AU90-519	26	42	40	42	
G88-3266	24	38	37	38	
N90-845	20	38	30	38	
N91-404	25	36	33	36	
SC90-80	24	39	39	39	
SC90-831	31	44	40	44	
AU91-788	29	39	40	39	
G90-1669	21	36	34	36	
G90-3258	23	34	28	34	
N90-7199	18	34	29	34	
N92-610	20	33	33	33	
N92-727	25	40	38	40	
SC91-1791	26	40	38	40	
SC91-2410	23	42	35	42	

SOUTH											
STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BLACK- VILLE SC (E)	BLACK- VILLE SC (L)	CAL- HOUN GA	FAIR- HOPE AL	JAY FL†	STARK- VILLE MS	TALLAS- SEE AL	TIFTON GA†	MEAN
STONEWALL	34	36	23	26	38	21	18	26	23	20	28
HASKELL	30	34	26	25	39	27	20	31	27	26	30
AU90-519	32	41	32	34	46	32	22	37	29	27	35
G88-3266	37	39	34	30	42	32	25	35	27	25	34
N90-845	30	33	28	26	38	23	22	27	24	20	29
N91-404	33	40	33	29	42	28	24	30	30	24	33
SC90-80	39	38	31	32	44	30	23	33	31	25	35
SC90-831	44	40	34	37	45	34	26	37	28	29	37
AU91-788	38	40	26	32	43	32	24	40	30	29	35
G90-1669	35	38	26	29	42	29	22	34	30	21	33
G90-3258	34	34	27	29	39	25	21	30	28	22	31
N90-7199	24	31	25	24	36	26	20	26	25	22	27
N92-610	30	37	24	29	35	25	22	29	22	23	29
N92-727	39	38	30	31	40	34	24	34	29	27	34
SC91-1791	42	40	33	32	44	35	26	34	28	27	36
SC91-2410	39	41	32	34	41	33	21	34	32	28	36

† Not included in mean.

TABLE 57 - (Continued).

DELTA

STRAIN/ VARIETY	STONEVILLE MS (B)
STONEWALL	23
HASKELL	29
AU90-519	33
G88-3266	28
N90-845	22
N91-404	26
SC90-80	31
SC90-831	30
AU91-788	31
G90-1669	29
G90-3258	23
N90-7199	23
N92-610	27
N92-727	29
SC91-1791	31
SC91-2410	31

WEST

STRAIN/ VARIETY	BEAUMONT TX
STONEWALL	30
HASKELL	31
AU90-519	33
G88-3266	31
N90-845	30
N91-404	32
SC90-80	32
SC90-831	34
AU91-788	31
G90-1669	32
G90-3258	32
N90-7199	30
N92-610	31
N92-727	29
SC91-1791	30
SC91-2410	33

TABLE 58 - LODGING SCORES FOR STRAIN/VARIETY IN UNIFORM GROUP VII, 1995.

EAST

STRAIN/ VARIETY	JACKSON SPRINGS		WHITEVILLE		MEAN
	NC	NC	NC	NC	
STONEWALL	2.0		1.0		2.0
HASKELL	2.7		1.0		2.7
AU90-519	2.0		1.0		2.0
G88-3266	1.3		1.0		1.3
N90-845	2.0		1.0		2.0
N91-404	2.0		1.0		2.0
SC90-80	2.3		1.3		2.3
SC90-831	2.0		1.0		2.0
AU91-788	2.7		1.0		2.7
G90-1669	2.0		1.0		2.0
G90-3258	1.3		1.0		1.3
N90-7199	2.3		1.0		2.3
N92-610	1.7		1.0		1.7
N92-727	1.3		1.0		1.3
SC91-1791	2.3		1.0		2.3
SC91-2410	2.3		1.3		2.3

SOUTH

STRAIN/ VARIETY	ATHENS	BATON ROUGE	CALHOUN	FAIRHOPE	JAY	STARKVILLE	TALLASSEE	MEAN
	GA	LA	GA	AL	FL†	MS	AL	
STONEWALL	1.7	1.5	2.0	2.7	2.3	1.7	2.2	1.9
HASKELL	1.8	3.0	3.5	3.0	2.7	2.0	1.8	2.5
AU90-519	1.7	3.0	1.7	2.7	2.7	2.0	1.2	2.0
G88-3266	2.2	2.0	3.0	3.0	2.0	2.0	1.7	2.3
N90-845	1.5	2.0	3.7	2.3	2.0	1.0	1.5	2.0
N91-404	1.5	3.0	1.8	3.0	2.0	1.7	1.3	2.1
SC90-80	2.7	3.5	2.3	3.0	2.3	2.0	1.7	2.5
SC90-831	1.8	2.5	2.2	2.7	2.7	2.0	1.5	2.1
AU91-788	2.2	2.0	1.8	3.7	2.7	2.0	1.7	2.2
G90-1669	2.2	2.5	3.3	3.0	2.7	2.0	1.7	2.4
G90-3258	1.5	1.0	1.7	2.7	2.0	1.3	1.7	1.6
N90-7199	1.0	2.5	1.3	2.3	2.0	1.7	1.7	1.8
N92-610	1.7	3.5	2.2	3.0	2.3	1.0	2.0	2.2
N92-727	1.3	2.0	1.5	2.3	2.3	1.7	1.7	1.8
SC91-1791	1.8	3.0	2.3	2.7	2.3	1.7	1.3	2.1
SC91-2410	2.8	3.0	2.5	3.0	2.3	2.0	1.5	2.5

† Not included in mean.

TABLE 58 (Continued).

DELTA

STRAIN/ VARIETY	STONEVILLE MS (B)
STONEWALL	1.0
HASKELL	1.0
AU90-519	1.3
G88-3266	1.0
N90-845	1.0
N91-404	1.0
SC90-80	1.0
SC90-831	1.0
AU91-788	1.0
G90-1669	1.0
G90-3258	1.0
N90-7199	1.0
N92-610	1.0
N92-727	1.0
SC91-1791	1.0
SC91-2410	1.0

WEST

STRAIN/ VARIETY	BEAUMONT TX
STONEWALL	1.0
HASKELL	1.0
AU90-519	1.0
G88-3266	1.0
N90-845	1.0
N91-404	1.0
SC90-80	1.2
SC90-831	1.0
AU91-788	1.0
G90-1669	1.0
G90-3258	1.0
N90-7199	1.2
N92-610	1.0
N92-727	1.0
SC91-1791	1.0
SC91-2410	1.0

TABLE 59 - SEED QUALITY FOR STRAIN/VARIETY IN UNIFORM GROUP VII, 1995.

EAST				
STRAIN/ VARIETY	JACKSON SPRINGS		WHITEVILLE	
	NC		NC	MEAN
STONEWALL	2		2	2
HASKELL	2		2	2
AU90-519	2		2	2
G88-3266	2		2	2
N90-845	2		2	2
N91-404	2		2	2
SC90-80	2		2	2
SC90-831	2		2	2
AU91-788	2		2	2
G90-1669	2		2	2
G90-3258	2		2	2
N90-7199	2		2	2
N92-610	2		2	2
N92-727	2		2	2
SC91-1791	2		2	2
SC91-2410	2		2	2

SOUTH									
STRAIN/ VARIETY	ATHENS	CALHOUN	FAIRHOPE	JAY	STARKVILLE	TALLASSEE	TIFTON		
	GA	GA	AL	FL†	MS	AL	GA†	MEAN	
STONEWALL	1.5	1.7	1.0	2	3	1.0	2.5	1.6	
HASKELL	1.5	2.5	1.0	2	2	1.0	2.7	1.6	
AU90-519	1.5	1.5	1.0	2	2	1.0	2.5	1.4	
G88-3266	1.5	2.2	1.0	2	2	1.0	2.8	1.5	
N90-845	1.5	3.0	1.0	2	2	1.0	2.2	1.7	
N91-404	1.8	2.0	1.0	2	3	1.0	3.3	1.8	
SC90-80	1.5	1.5	1.0	2	2	1.0	2.7	1.4	
SC90-831	1.5	2.5	1.0	2	2	1.0	3.0	1.6	
AU91-788	1.5	1.8	1.0	2	2	1.0	2.3	1.5	
G90-1669	1.5	1.8	1.0	2	1	1.0	3.2	1.3	
G90-3258	1.5	2.0	1.0	2	3	1.0	2.8	1.7	
N90-7199	1.5	3.7	1.5	2	3	1.0	2.3	2.1	
N92-610	1.8	4.0	1.0	2	3	1.5	2.5	2.3	
N92-727	1.7	2.7	1.0	2	2	1.0	2.2	1.7	
SC91-1791	1.5	2.0	1.0	3	2	1.0	2.0	1.5	
SC91-2410	1.5	1.8	1.0	2	2	1.0	2.7	1.5	

† Not included in mean.

TABLE 59 (Continued).

DELTA

STRAIN/ VARIETY	STONEVILLE	
	MS	
STONEWALL	2	
HASKELL	2	
AU90-519	2	
G88-3266	2	
N90-845	2	
N91-404	2	
SC90-80	2	
SC90-831	2	
AU91-788	2	
G90-1669	2	
G90-3258	2	
N90-7199	2	
N92-610	2	
N92-727	2	
SC91-1791	2	
SC91-2410	2	

WEST

STRAIN/ VARIETY	WEST		MEAN
	BEAUMONT TX	BOSSIER CITY AL	
STONEWALL	1.3	1.0	1.2
HASKELL	1.0	1.0	1.0
AU90-519	1.2	1.7	1.4
G88-3266	1.2	1.0	1.1
N90-845	1.3	1.0	1.2
N91-404	1.8	1.3	1.6
SC90-80	2.3	1.7	2.0
SC90-831	1.3	1.0	1.2
AU91-788	1.0	1.0	1.0
G90-1669	1.3	1.3	1.3
G90-3258	1.5	2.0	1.8
N90-7199	1.2	1.0	1.1
N92-610	1.8	1.3	1.6
N92-727	1.0	1.0	1.0
SC91-1791	1.3	1.0	1.2
SC91-2410	1.0	1.0	1.0

PRELIMINARY GROUP VII**1995**

Preliminary Group VII nurseries were planted at 7 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 60. Table 61 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 62 - 68.

TABLE 60 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY		PARENTAGE		GENERATION COMPOSITED
1.	STONEWALL	N73-693	X F76-8757	F6
2.	HASKELL	JOHNSTON	X BRAXTON	F5
3.	TN690	A5474	X TN82-94	F5
4.	BRAXTON	F59-1501	X (BRAGG (3) X D60-7965)	F5
5.	AU92-916	N85-574	X HASKELL	F6
6.	AU92-2121	AU82-211	X N85-574	F6
7.	AU92-2260	AU82-211	X N85-574	F6
8.	AU92-2426	HAGOOD	X HOWARD	F6
9.	AU92-2582	CO82-622	X D86-9845	F6
10.	DMK93-9044	D86-3429	X BRAXTON	F4
11.	DMK93-9047	D86-3429	X BRAXTON	F4
12.	DMK93-9048	D86-3429	X BRAXTON	F4
13.	DMK93-9060	D86-3429	X BRAXTON	F5
14.	DMK93-9097	D86-3429	X BRAXTON	F5
15.	F90-5099	F85-1108	X F85-7356	F5
16.	F91-2001	PI 417479	X F87-4003	F5
17.	F92-1519	PI 417479	X F85-1138	F7
18.	G91-151	CO82-622	X BRYAN	F5
19.	G91-221	CO82-622	X BRYAN	F5
20.	G91-312	CO82-622	X BRYAN	F5
21.	G91-5046	LAMAR	X G81-152	F6
22.	G93-9201	G83-559	X (G80-1515 (2) X PI 230977)	F5
23.	LA88-96939		X	
24.	N91-6117	GASOY 17	X FC 31732	F4
25.	N92-7636	RANSOM (5)	X N69-2774	
26.	N93-318	N86-820	X LAMAR	F6
27.	N93-556	N84-767	X (N83-375 X N85-2176)	F4
28.	N93-651	BRIM	X (N87-2120-3 X BRIM)	F4
29.	N93-739	BRIM	X (N87-2120-3 X BRIM)	F4
30.	N93-763	CORDELL	X N86-502	F6
31.	NTCPR90-143	GASOY 17	X VANCE	F5
32.	NTCPR92-302	VANCE	X JIZUKA	F5
33.	NTCPR93-646	YOUNG	X SUZUYATAKA	F5
34.	SC92-902	BRIM	X COKER 82-622	F5
35.	SC92-2391	COKER 6847	X HOWARD	F5
36.	SC92-2482	COKER 6847	X HAGOOD	F5
37.	SC92-2824	HAGOOD	X HUTCHESON	F5
38.	SC92-2908	HAGOOD	X PIONEER 9581	F5

TABLE 61 - GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP VII, 1995

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	-----PERCENT-----			SEED SIZE	LODG- ING	SEED QUALITY	M.a. TN	M.i. TN	SCN 3	SCN 14
			HEIGHT	OIL	PROTEIN							
STONEWALL	37.7	10/24	25	20.9	43.2	14.5	1.5	1.7	3.8	1.0	1.0	5.0
HASKELL	43.3	1+	28	20.6	41.9	15.0	2.5	1.7	1.8	1.0	5.0	4.3
TN690	33.1	15-	23	20.5	45.1+	14.5	1.3	2.8	3.2	1.0	1.0	2.0
BRAXTON	37.3	1+	31	20.1	44.0	15.1	2.1	1.8	1.3	1.0	4.7	4.5
AU92-916	41.9	2+	33	21.3	41.6-	17.0	2.8	1.7	3.8	1.0	4.9	2.2
AU92-2121	39.5	4+	35	21.0	42.0	14.0	2.8	1.7	4.0	1.4	1.0	3.4
AU92-2260	38.5	1-	32	21.5	42.1	14.4	2.8	1.7	3.6	1.0	5.0	5.0
AU92-2426	33.1	2+	41	20.1	44.3	12.7	3.4	1.8	1.7	1.0	1.0	2.2
AU92-2582	35.8	3+	33	21.2	42.8	12.8	2.8	2.0	1.0	1.0	4.7	2.8
DMK93-9044	33.8	4+	31	19.8-	44.5	13.6	2.8	2.0	3.2	1.0	5.0	2.4
DMK93-9047	28.9-	0	27	19.8-	45.7+	14.3	2.9	2.3	2.3	1.0	4.8	3.5
DMK93-9048	25.2-	2+	26	20.0-	46.2+	15.2	2.5	2.5	2.0	1.0	5.0	4.6
DMK93-9060	34.8	2-	27	20.2	41.9	13.7	2.8	2.3	3.8	1.7	4.8	5.0
DMK93-9097	31.5	0	32	20.0-	43.9	14.5	3.8	2.3	3.3	1.8	5.0	3.5
F90-5099	32.8	2-	33	19.8-	42.8	10.7	2.9	2.0	1.2	1.0	1.0	3.6
F91-2001	32.4	3-	36	19.5-	42.5	11.7	2.8	2.0	1.7	1.0	5.0	4.7
F92-1519	36.0	3-	31	19.4-	43.3	13.7	2.5	1.7	3.3	1.0	5.0	5.0
G91-151	40.3	3-	28	20.9	41.9	12.0	1.9	1.7	1.8	1.0	1.0	5.0
G91-221	40.6	2-	28	21.5	40.3-	13.3	1.6	2.0	1.5	1.0	1.1	4.4
G91-312	40.4	2-	29	21.4	40.9-	12.6	1.9	1.7	1.0	1.0	5.0	5.0
G91-5046	34.1	1-	26	20.5	44.7+	12.3	2.4	1.7	1.5	1.0	1.1	4.4
G93-9201	39.2	0	29	20.2	41.7-	12.4	2.0	1.7	1.0	1.0	1.0	1.1
LA88-96939	35.5	1-	27	20.9	42.4	12.5	2.1	2.0	4.3	1.3	4.9	4.3
N91-6117	32.6	2+	34	20.0-	42.9	15.0	3.1	2.0	4.5	1.3	5.0	4.5
N92-7636	32.7	2+	27	22.0+	42.5	14.6	1.8	2.0	4.5	1.0	4.7	4.8
N93-318	33.7	5-	29	20.0-	44.8+	13.1	1.5	1.5	2.2	1.2	4.7	3.8
N93-556	34.4	5+	28	20.1	43.7	14.6	2.6	1.8	3.2	1.0	4.4	4.5
N93-651	34.6	2-	35	20.9	44.7+	14.4	3.2	2.0	4.3	2.0	5.0	5.0
N93-739	36.4	2-	20	20.7	43.3	13.8	1.5	2.3	2.8	1.0	4.3	5.0
N93-763	33.8	1-	33	19.9-	42.4	10.9	2.1	2.0	1.8	1.0	4.3	4.8
NTCPR90-143	20.6-	4-	19	19.0-	43.7	7.5	1.5	2.0	5.0	2.3	5.0	5.0
NTCPR92-302	28.3-	4-	23	18.9-	45.8+	7.5	2.1	2.0	4.0	1.1	5.0	5.0
NTCPR93-646	30.6-	5-	24	20.3	44.0	15.5	1.6	2.0	4.2	1.3	5.0	4.7
SC92-902	41.4	1+	34	20.4	43.1	11.9	2.5	1.7	4.2	1.1	1.0	4.5
SC92-2391	40.2	1+	31	19.6-	43.4	11.6	1.5	2.0	1.0	1.0	1.0	3.0
SC92-2482	40.1	0	33	20.8	43.2	13.2	1.9	2.0	3.7	1.0	1.0	5.0
SC92-2824	35.2	0	33	20.5	44.4	12.6	2.1	2.0	2.5	1.0	1.0	4.9
SC92-2908	38.0	0	32	20.3	42.9	14.4	2.1	2.2	2.3	1.0	1.1	3.2
Overall Mean	35.2			20.4	43.3							
L.S.D (.05)	6.9			0.8	1.5							
C.V.	14%			3%	2%							

TABLE 62 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BATON ROUGE LA	BEAU- MONT TX	BLACK- VILLE SC	JACKSON SPRINGS NC†	JAY FL	STONE- VILLE MS (B)	TALLASSEE AL†	MEAN
STONEWALL	54.2	40.8	25.3	30.2	31.0	37.2	18.2	37.7
HASKELL	57.8	43.9	33.2+	23.9	40.5+	41.3	19.3	43.3
TN690	48.6	31.8-	17.7-	17.0-	22.5-	44.8+	12.0	33.1
BRAXTON	60.3	26.7-	33.4+	31.7	34.0	32.1	15.7	37.3
AU92-916	52.9	41.3	35.4+	30.8	35.5	44.4	19.5	41.9
AU92-2121	53.7	41.3	33.5+	29.7	31.0	38.2	18.6	39.5
AU92-2260	51.8	40.5	29.9	30.9	30.0	40.4	17.2	38.5
AU92-2426	44.3	27.1-	32.0+	23.6	33.0	29.3-	12.7	33.1
AU92-2582	49.5	31.0-	33.3+	28.9	35.5	29.6-	15.3	35.8
DMK93-9044	55.5	26.1-	30.2	24.3	30.0	27.1-	10.8	33.8
DMK93-9047	49.3	26.0-	23.6	17.1-	17.5-	28.3-	13.6	28.9-
DMK93-9048	.	28.0-	14.5-	24.4	29.5	29.0-	14.2	25.2-
DMK93-9060	52.4	30.1-	27.3	30.0	28.0	36.5	14.4	34.8
DMK93-9097	47.2	29.6-	23.0	23.4	27.0	30.9	14.0	31.5
F90-5099	44.9	21.5-	25.2	25.4	35.5	37.2	13.6	32.8
F91-2001	43.7	25.5-	31.5	23.4	31.5	29.9	15.2	32.4
F92-1519	52.3	29.9-	24.3	24.8	30.5	42.8	9.4	36.0
G91-151	59.7	35.3	34.0+	21.4	37.5	34.9	25.1	40.3
G91-221	54.5	43.7	33.4+	29.7	33.0	38.4	28.9+	40.6
G91-312	51.0	34.7	40.3+	21.6	36.0	39.9	18.3	40.4
G91-5046	47.2	28.6-	31.2	30.0	31.5	32.1	28.1+	34.1
G93-9201	58.1	32.5-	32.0+	18.7-	38.0	35.2	19.7	39.2
LA88-96939	49.1	41.0	25.7	25.6	28.0	33.6	11.4	35.5
N91-6117	45.6	28.9-	30.6	30.8	34.0	24.1-	10.0	32.6
N92-7636	40.1	34.5	29.0	17.6-	34.5	25.2-	13.8	32.7
N93-318	47.2	30.0-	31.0	40.0	27.5	32.8	17.2	33.7
N93-556	51.7	33.1-	26.2	26.6	36.0	25.1-	20.8	34.4
N93-651	40.6	33.7	26.4	25.4	35.0	37.3	10.8	34.6
N93-739	54.0	35.7	26.4	28.2	23.5	42.4	18.1	36.4
N93-763	40.9	38.4	30.1	27.3	35.0	24.8-	14.9	33.8
NTCPR90-14	25.0	26.1-	18.0-	23.6	7.0-	27.2-	22.3	20.6-
NTCPR92-302	43.7	31.4-	23.0	18.9	21.5-	21.8-	15.2	28.3-
NTCPR93-646	43.6	25.5-	24.3	26.6	27.5	32.2	18.3	30.6-
SC92-902	65.4	36.7	38.0+	23.7	35.5	31.3	18.2	41.4
SC92-2391	58.2	36.1	37.4+	25.0	37.0	32.4	15.5	40.2
SC92-2482	56.1	29.8-	40.4+	25.7	38.5	35.6	9.9	40.1
SC92-2824	51.7	38.4	26.6	19.2	35.0	24.4-	22.3	35.2
SC92-2908	60.0	37.4	30.8	19.7	36.5	25.4-	16.0	38.0
L. S. D. (0.05)	.	7.2	6.4	11.4	7.7	7.4	9.1	6.9
C. V. (%)	7.2	10.8	10.9	21.9	11.3	11.1	27.2	14.2

† Not included in mean.

TABLE 63 - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BEAU-	BLACK-	JACKSON	JAY	STONEVILLE	TALLASSEE	MEAN
	MONT TX	VILLE SC	SPRINGS NC		MS (B)	AL	
STONEWALL	21.3	20.5	21.3	22.1	19.6	20.4	20.9
HASKELL	21.3	20.2	20.6	21.8	19.0	20.1	20.6
TN690	19.9	20.5	20.5	21.6	19.9	20.3	20.5
BRAXTON	20.1	19.6	20.8	22.1	18.4	19.6	20.1
AU92-916	21.1	20.9	20.6	22.0	21.3	20.1	21.3
AU92-2121	21.2	20.6	21.1	22.8	19.4	18.9	21.0
AU92-2260	21.7	21.1	21.8	22.6	20.4	19.7	21.5
AU92-2426	19.5	20.5	19.6	21.7	18.8	18.9	20.1
AU92-2582	21.2	21.1	20.7	22.2	20.1	19.5	21.2
DMK93-9044	19.8	19.9	19.9	21.4	18.0	19.4	19.8
DMK93-9047	20.1	19.4	20.0	22.0	17.6	19.1	19.8
DMK93-9048	19.8	19.9	19.7	21.8	18.5	19.0	20.0
DMK93-9060	20.5	20.2	20.4	21.9	18.2	19.4	20.2
DMK93-9097	20.4	20.0	20.7	21.5	18.2	18.4	20.0
F90-5099	19.2	19.9	20.4	21.2	19.0	19.6	19.8
F91-2001	19.8	19.1	20.2	20.5	18.7	20.0	19.5
F92-1519	19.2	18.8	19.4	20.5	19.2	18.5	19.4
G91-151	21.1	20.8	20.5	21.6	20.2	19.2	20.9
G91-221	21.5	21.2	20.0	22.8	20.4	19.9	21.5
G91-312	21.3	21.1	21.1	23.2	19.8	19.0	21.4
G91-5046	20.0	19.9	21.1	22.9	19.0	19.6	20.5
G93-9201	20.3	19.4	20.4	22.0	19.1	20.1	20.2
LA88-96939	20.9	20.9	21.0	22.4	19.4	20.5	20.9
N91-6117	20.2	20.2	20.1	21.3	18.2	18.7	20.0
N92-7636	22.2	21.8	21.9	22.6	21.2	19.8	22.0
N93-318	19.2	20.0	20.6	21.5	19.2	19.2	20.0
N93-556	19.4	19.5	20.1	22.2	19.2	19.9	20.1
N93-651	20.5	20.9	20.5	22.0	20.1	20.1	20.9
N93-739	20.2	20.6	21.3	21.7	20.4	19.6	20.7
N93-763	20.5	19.5	20.5	21.5	18.2	18.7	19.9
NTCPR90-143	17.8	18.8	19.8	21.0	18.5	20.3	19.0
NTCPR92-302	18.9	18.6	19.8	20.5	17.7	19.9	18.9
NTCPR93-646	19.6	20.1	20.5	22.1	19.2	19.2	20.3
SC92-902	20.6	20.0	20.1	21.9	19.0	19.9	20.4
SC92-2391	19.4	19.0	20.3	21.3	18.6	20.9	19.6
SC92-2482	20.7	20.7	21.2	22.5	19.3	19.3	20.8
SC92-2824	20.8	20.8	21.1	22.5	18.0	20.7	20.5
SC92-2908	20.4	20.0	20.2	22.5	18.1	18.9	20.3

TABLE 64 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BEAUMONT	BLACK-	JACKSON	JAY	STONE-	TALLASSEE	MEAN
	TX	VILLE SC	SPRINGS NC	FL	VILLE MS (B)	AL	
STONEWALL	43.1	42.6	40.6	42.4	44.5	38.0	43.2
HASKELL	42.4	41.2	40.7	40.2	43.8	39.8	41.9
TN690	47.4	43.1	42.5	44.1	45.8	44.7	45.1
BRAXTON	44.5	44.2	39.9	41.5	45.7	40.5	44.0
AU92-916	43.5	41.1	41.2	41.0	40.8	39.7	41.6
AU92-2121	43.4	40.9	40.0	39.7	43.8	43.2	42.0
AU92-2260	43.3	41.5	38.8	40.2	43.5	40.9	42.1
AU92-2426	47.0	43.2	41.7	42.0	45.0	43.0	44.3
AU92-2582	42.4	42.4	41.9	41.6	44.6	40.7	42.8
DMK93-9044	44.4	44.3	42.3	42.5	46.6	41.4	44.5
DMK93-9047	45.9	45.8	44.4	43.0	48.0	42.8	45.7
DMK93-9048	46.5	46.8	43.4	43.5	47.9	42.3	46.2
DMK93-9060	41.6	41.2	40.0	39.9	45.0	40.6	41.9
DMK93-9097	44.1	44.6	41.1	41.1	45.7	42.9	43.9
F90-5099	44.2	42.5	40.1	40.3	44.1	41.0	42.8
F91-2001	42.9	42.0	39.6	41.1	44.0	40.6	42.5
F92-1519	43.9	43.9	38.5	41.4	44.0	41.3	43.3
G91-151	43.2	41.7	42.2	40.9	41.8	43.8	41.9
G91-221	41.5	39.8	38.5	39.6	40.1	42.6	40.3
G91-312	43.1	39.8	36.9	38.8	41.8	43.1	40.9
G91-5046	46.1	45.8	41.4	41.5	45.4	42.0	44.7
G93-9201	43.1	41.4	40.0	40.2	41.9	43.2	41.7
LA88-96939	43.4	41.0	37.8	41.3	43.7	37.7	42.4
N91-6117	43.3	41.7	39.3	41.5	44.9	42.3	42.9
N92-7636	44.7	41.6	43.8	41.0	42.6	41.2	42.5
N93-318	48.2	43.3	40.6	42.7	45.0	42.8	44.8
N93-556	45.7	41.9	41.3	41.3	45.7	39.1	43.7
N93-651	47.1	44.0	46.4	41.9	45.6	42.9	44.7
N93-739	45.5	43.5	43.2	41.9	42.1	43.0	43.3
N93-763	43.4	41.9	40.2	40.1	44.2	42.4	42.4
NTCPR90-143	46.8	42.5	41.7	42.0	43.5	40.5	43.7
NTCPR92-302	46.6	46.7	42.0	43.9	45.8	42.6	45.8
NTCPR93-646	46.6	43.4	41.6	41.6	44.3	45.6	44.0
SC92-902	44.2	42.6	43.2	40.8	44.7	42.0	43.1
SC92-2391	45.4	42.1	38.8	41.2	44.9	39.4	43.4
SC92-2482	44.6	42.4	40.9	41.0	44.7	43.5	43.2
SC92-2824	45.3	43.4	42.9	41.3	47.5	40.3	44.4
SC92-2908	44.3	41.6	40.6	39.7	45.8	42.8	42.9

TABLE 65 - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BLACK-		JACKSON		STONEVILLE MS (B)	TALLASSEE AL	MEAN
	BEAUMONT TX	VILLE SC	SPRINGS NC	JAY FL			
STONEWALL	15.2	13.5	14.8	16.9	12.3	11.4	14.5
HASKELL	16.4	13.4	14.2	17.8	12.5	12.3	15.0
TN690	12.8	15.0	15.2	17.2	12.8	13.1	14.5
BRAXTON	13.7	15.6	14.4	18.1	12.9	11.9	15.1
AU92-916	18.8	15.8	15.7	18.5	14.9	12.3	17.0
AU92-2121	14.8	13.4	14.0	16.1	11.8	11.3	14.0
AU92-2260	14.1	13.0	14.0	18.2	12.1	13.0	14.4
AU92-2426	12.4	12.1	13.3	16.4	10.0	11.1	12.7
AU92-2582	12.3	12.4	26.1	15.5	11.1	11.9	12.8
DMK93-9044	13.9	13.3	14.4	16.5	10.9	12.0	13.6
DMK93-9047	13.8	15.0	14.8	16.9	11.7	12.4	14.3
DMK93-9048	15.9	16.2	14.9	15.9	12.9	10.4	15.2
DMK93-9060	12.5	13.8	13.8	16.8	11.8	11.9	13.7
DMK93-9097	14.0	14.6	14.3	16.7	12.8	12.3	14.5
F90-5099	9.3	10.7	12.4	14.0	8.7	10.1	10.7
F91-2001	10.2	12.5	13.0	14.0	10.0	12.3	11.7
F92-1519	12.2	14.6	13.8	15.3	12.6	12.4	13.7
G91-151	11.8	12.0	12.9	14.0	10.2	12.8	12.0
G91-221	12.2	11.8	12.3	19.2	10.1	12.8	13.3
G91-312	12.6	12.2	12.9	14.9	10.6	12.7	12.6
G91-5046	10.8	12.9	13.4	14.6	11.1	12.2	12.3
G93-9201	12.0	12.3	14.2	14.1	11.2	11.8	12.4
LA88-96939	12.1	10.8	13.1	15.8	11.2	11.3	12.5
N91-6117	16.2	15.4	16.0	16.1	12.4	12.6	15.0
N92-7636	13.9	14.1	14.4	19.7	10.8	11.1	14.6
N93-318	11.5	13.4	13.6	16.5	11.2	12.4	13.1
N93-556	15.4	13.7	14.5	17.7	11.4	10.4	14.6
N93-651	16.1	13.0	15.6	16.3	12.3	12.3	14.4
N93-739	14.9	14.0	14.1	15.1	11.0	14.1	13.8
N93-763	11.6	10.8	13.1	12.0	9.1	10.3	10.9
NTCPR90-143	7.7	6.6	7.5	9.6	6.2	12.4	7.5
NTCPR92-302	7.9	6.7	6.8	10.0	5.3	7.7	7.5
NTCPR93-646	17.1	16.2	17.9	16.4	12.5	8.5	15.5
SC92-902	12.7	11.6	12.5	16.7	6.8	11.5	11.9
SC92-2391	10.7	10.8	10.2	15.2	9.6	12.1	11.6
SC92-2482	13.2	13.4	14.3	15.9	10.2	13.6	13.2
SC92-2824	15.3	12.0	13.2	13.9	9.2	13.9	12.6
SC92-2908	15.5	13.6	14.3	16.6	11.7	12.2	14.4

TABLE 66 - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BATON		JACKSON					MEAN
	ROUGE LA	BEAUMONT TX	BLACKVILLE SC	SPRINGS NC	JAY FL	STONEVILLE MS	TALLASSEE AL	
STONEWALL	35	27	25	20	17	23	25	25
HASKELL	36	27	27	23	19	31	28	28
TN690	32	26	19	15	21	17	24	23
BRAXTON	38	30	30	25	21	37	27	31
AU92-916	45	35	34	27	20	32	30	33
AU92-2121	47	36	31	28	23	38	32	35
AU92-2260	42	36	34	28	17	32	32	32
AU92-2426	47	41	40	30	27	49	31	41
AU92-2582	43	32	31	27	28	33	27	33
DMK93-9044	39	32	33	24	18	33	28	31
DMK93-9047	33	28	23	21	19	33	25	27
DMK93-9048	35	28	18	23	18	30	24	26
DMK93-9060	36	27	26	25	20	28	24	27
DMK93-9097	42	35	31	28	16	37	32	32
F90-5099	40	36	34	30	20	37	32	33
F91-2001	48	36	39	26	22	36	33	36
F92-1519	36	33	31	24	22	32	27	31
G91-151	37	28	27	22	23	24	26	28
G91-221	38	31	26	25	21	22	30	28
G91-312	40	27	28	23	23	26	26	29
G91-5046	24	29	27	23	22	26	23	26
G93-9201	34	31	29	21	22	29	28	29
LA88-96939	37	28	27	22	18	27	24	27
N91-6117	46	37	32	29	17	39	28	34
N92-7636	38	27	30	22	17	25	25	27
N93-318	37	34	28	23	23	24	27	29
N93-556	38	32	24	22	23	26	24	28
N93-651	45	36	33	28	25	38	31	35
N93-739	26	21	16	17	20	18	19	20
N93-763	44	33	31	25	21	35	30	33
NTCPR90-143	24	19	17	15	16	20	25	19
NTCPR92-302	29	24	26	18	17	19	25	23
NTCPR93-646	32	25	23	20	19	24	20	24
SC92-902	46	33	30	24	26	36	30	34
SC92-2391	40	30	28	22	25	35	25	31
SC92-2482	42	31	32	24	27	33	28	33
SC92-2824	39	31	31	24	23	41	26	33
SC92-2908	44	32	28	27	23	32	31	32

TABLE 67 - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BATON		JACKSON			STONEVILLE	TALLASSEE	MEAN
	ROUGE LA	BEAUMONT TX	SPRINGS NC	JAY FL	MS (B)	AL		
STONEWALL	1.0	1.0	1.5	3.0	1.0	1.5	1.5	
HASKELL	3.0	1.0	2.0	5.0	1.0	2.0	2.5	
TN690	1.0	1.0	1.0	2.0	1.0	0.8	1.3	
BRAXTON	2.5	1.0	2.0	4.0	1.0	1.5	2.1	
AU92-916	5.0	1.0	1.5	4.0	1.0	1.5	2.8	
AU92-2121	5.0	1.5	1.5	3.0	1.5	1.5	2.8	
AU92-2260	4.5	1.8	2.0	4.0	1.0	1.8	2.8	
AU92-2426	5.0	1.5	2.0	4.5	2.5	1.5	3.4	
AU92-2582	4.0	1.0	1.5	4.5	1.5	1.5	2.8	
DMK93-9044	4.0	1.0	2.0	4.0	2.0	1.3	2.8	
DMK93-9047	4.5	1.3	1.5	4.0	2.0	1.5	2.9	
DMK93-9048	3.0	1.0	2.0	4.0	2.0	0.5	2.5	
DMK93-9060	4.0	1.3	2.0	4.0	2.0	1.5	2.8	
DMK93-9097	5.0	2.5	2.0	4.5	3.0	1.5	3.8	
F90-5099	4.0	1.5	1.5	4.0	2.0	1.8	2.9	
F91-2001	4.0	1.5	2.0	3.0	2.5	1.8	2.8	
F92-1519	4.0	1.5	2.5	2.5	2.0	1.8	2.5	
G91-151	3.0	1.0	1.0	2.5	1.0	1.5	1.9	
G91-221	2.0	1.0	1.0	2.5	1.0	1.5	1.6	
G91-312	3.0	1.0	1.0	2.5	1.0	1.5	1.9	
G91-5046	3.5	1.0	2.0	4.0	1.0	1.8	2.4	
G93-9201	2.0	1.0	1.0	4.0	1.0	1.3	2.0	
LA88-96939	2.5	1.0	1.5	4.0	1.0	1.5	2.1	
N91-6117	5.0	1.3	1.0	4.0	2.0	1.5	3.1	
N92-7636	2.0	1.0	1.0	3.0	1.0	1.0	1.8	
N93-318	2.0	1.0	1.0	2.0	1.0	1.5	1.5	
N93-556	4.5	1.0	1.0	3.0	2.0	1.0	2.6	
N93-651	4.5	1.8	2.0	4.0	2.5	1.0	3.2	
N93-739	1.0	1.0	1.0	3.0	1.0	0.0	1.5	
N93-763	4.0	1.0	1.0	2.5	1.0	1.8	2.1	
NTCPR90-143	1.0	1.0	1.0	3.0	1.0	1.3	1.5	
NTCPR92-302	2.0	1.0	1.0	4.0	1.5	1.3	2.1	
NTCPR93-646	2.5	1.0	1.0	2.0	1.0	0.5	1.6	
SC92-902	4.0	1.0	1.0	2.0	3.0	1.3	2.5	
SC92-2391	2.5	1.0	1.0	1.0	1.5	1.3	1.5	
SC92-2482	3.0	1.0	1.0	2.0	1.5	1.0	1.9	
SC92-2824	3.5	1.0	1.0	2.0	2.0	1.5	2.1	
SC92-2908	3.5	1.0	1.0	2.0	2.0	1.5	2.1	

TABLE 68 - SEED QUALITY SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VII, 1995.

STRAIN/ VARIETY	BEAUMONT	JACKSON SPRINGS	JAY	STONEVILLE	TALLASSEE	MEAN
	TX	NC	FL	MS (B)	AL	
STONEWALL	1.0	1.0	2	2	1.0	1.7
HASKELL	1.0	1.0	2	2	1.0	1.7
TN690	2.5	1.0	4	2	3.5	2.8
BRAXTON	1.5	1.0	2	2	1.0	1.8
AU92-916	1.0	1.0	2	2	1.0	1.7
AU92-2121	1.0	1.0	2	2	1.0	1.7
AU92-2260	1.0	1.0	2	2	1.0	1.7
AU92-2426	1.5	1.0	2	2	1.0	1.8
AU92-2582	1.0	1.0	3	2	1.5	2.0
DMK93-9044	1.0	1.0	3	2	1.0	2.0
DMK93-9047	2.0	1.0	2	3	1.0	2.3
DMK93-9048	1.5	1.0	3	3	1.0	2.5
DMK93-9060	1.0	1.0	3	3	1.0	2.3
DMK93-9097	1.0	1.0	3	3	1.0	2.3
F90-5099	1.0	1.0	3	2	1.0	2.0
F91-2001	1.0	1.0	3	2	1.0	2.0
F92-1519	1.0	1.0	2	2	1.5	1.7
G91-151	1.0	1.0	2	2	1.0	1.7
G91-221	1.0	1.0	3	2	1.0	2.0
G91-312	1.0	1.0	2	2	1.0	1.7
G91-5046	1.0	1.0	2	2	1.0	1.7
G93-9201	1.0	1.0	2	2	1.0	1.7
LA88-96939	2.0	1.5	2	2	1.0	2.0
N91-6117	1.0	1.0	2	3	1.0	2.0
N92-7636	1.0	1.0	3	2	1.0	2.0
N93-318	1.5	1.0	1	2	1.0	1.5
N93-556	1.5	1.0	2	2	1.0	1.8
N93-651	1.0	1.0	3	2	1.0	2.0
N93-739	2.0	1.0	3	2	1.0	2.3
N93-763	1.0	1.0	3	2	1.0	2.0
NTCPR90-143	1.0	1.0	3	2	1.0	2.0
NTCPR92-302	1.0	1.0	3	2	1.0	2.0
NTCPR93-646	2.0	1.0	2	2	1.0	2.0
SC92-902	1.0	1.0	2	2	1.5	1.7
SC92-2391	1.0	1.0	3	2	1.0	2.0
SC92-2482	1.0	1.0	3	2	1.0	2.0
SC92-2824	1.0	1.0	3	2	1.0	2.0
SC92-2908	1.5	1.0	3	2	1.0	2.2

UNIFORM GROUP VIII**1995**

Uniform Group VIII nurseries were planted in 14 environments. Data were obtained from all of the environments. The parentage for each strain is reported in Table 69. Table 70 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 71 - 76.

TABLE 69 - PARENTAGE OF STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 1995.

STRAIN/ VARIETY	PARENTAGE			GENERATION COMPOSITED
1. COOK	BRAXTON	X	YOUNG	F6
2. MAXCY	D76-9665	X	JOHNSTON	F6
3. AU89-2256	STONEWALL	X	COKER 6738	F6
4. SC89-551	A6785	X	COKER 6738	F5
5. TSB88-1266	BRAXTON	X	N77-889	F9
6. AU91-13	N85-492	X	COKER 85-483	F6
7. AU91-41	N85-492	X	COKER 85-483	F6
8. AU91-1970	AU82-211	X	COKER 85-483	F6
9. F89-4067	KIRBY	X	F84-1569	F7
10. G90-1551	COKER 82-622	X	HOWARD	F6
11. SC91-1756	COKER 6847	X	STONEWALL	F5
12. SC91-2447	NK'S S83-30	X	HOWARD	F5
13. SC91-2573	NK'S S83-30	X	HOWARD	F5
14. TSB90-302	DOWLING	X	BRAXTON	F5

TABLE 70 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 1995.

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	1995	94-95	93-95	1995	94-95	93-95	1995	94-95	93-95
1. COOK	35.2	43.7	42.7	41.8	43.0	42.6	20.4	20.3	20.3
2. MAXCY	35.1	40.6	40.6	41.9	42.2	42.0	20.4	20.4	20.5
3. AU89-2256	35.0	41.3	41.2	42.8	43.2	42.4	20.2	20.1	20.3
4. SC89-551	37.2	42.3	41.9	41.1	41.6	41.1	20.9	20.6	20.7
5. TSB88-1266	32.1	40.2	.	40.7	41.0	.	20.8	20.7	.
6. AU91-13	36.3	.	.	40.8	.	.	20.9	.	.
7. AU91-41	36.3	.	.	39.7	.	.	21.2	.	.
8. AU91-1970	36.6	.	.	41.9	.	.	20.8	.	.
9. F89-4067	36.4	.	.	42.2	.	.	20.3	.	.
10. G90-1551	38.4	.	.	42.8	.	.	20.4	.	.
11. SC91-1756	38.8	.	.	42.3	.	.	20.5	.	.
12. SC91-2447	35.9	.	.	42.5	.	.	20.0	.	.
13. SC91-2573	35.7	.	.	41.1	.	.	20.9	.	.
14. TSB90-302	31.5	.	.	41.4	.	.	20.9	.	.

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. DATE	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
1. COOK	P	0	2.1	32	1.6	14.7	T	T
2. MAXCY	P	1	2.4	32	1.6	14.6	T	T
3. AU89-2256	S	6	2.0	31	1.7	14.7	T	T
4. SC89-551	P	2	2.5	33	1.7	14.0	T	T
5. TSB88-1266	P	3	2.7	33	1.7	13.5	T	T
6. AU91-13	P	5	2.4	35	1.6	14.3	G	BR
7. AU91-41	W	1	2.3	32	1.7	13.7	T	T
8. AU91-1970	W	3	2.4	34	1.7	14.7	G	T
9. F89-4067	P	6	2.7	35	1.8	16.1	T	T
10. G90-1551	W	5	2.3	33	1.6	13.7	G	T
11. SC91-1756	W	3	2.1	35	1.9	15.2	G	T
12. SC91-2447	P	4	2.5	35	1.6	14.2	T	T
13. SC91-2573	P	4	2.3	34	1.6	13.7	G	T
14. TSB90-302	P	6	2.0	34	1.6	14.9	G	T

† Data from Tallassee, AL (1995); Jay, FL (1994); Blackville, SC (A) & (B), Jackson Springs, NC, Quincy, FL (1993) not included in mean.

TABLE 70 - (Continued).

PEST REACTIONS

STRAIN/ VARIETY	STEM CANKER		M.a.	M.a.	M.i.	M.i.	SCN	SCN	VBC
	MS	GA	TN	GA	TN	3	14		
1. COOK	1.0	2.8	1.3	2.5	1.0	4.5	1.0	4.2	
2. MAXEY	3.1	4.0	1.0	3.0	1.0	1.6	2.8	3.5	
3. AU89-2256	1.0	3.0	1.2	1.0	1.2	1.3	3.8	3.7	
4. SC89-551	1.0	2.5	1.0	1.3	1.0	1.1	2.8	3.8	
5. TSB88-1266	2.3	2.5	3.8	3.8	1.3	4.4	2.3	5.0	
6. AU91-13	3.4	4.5	1.2	1.3	1.0	1.0	1.0	2.0	
7. AU91-41	2.8	3.5	1.8	1.8	1.0	1.1	1.0	3.7	
8. AU91-1970	4.9	4.0	1.8	1.0	1.0	1.0	1.7	3.7	
9. F89-4067	1.0	3.3	1.0	1.5	1.0	1.0	3.6	3.3	
10. G90-1551	1.0	4.3	1.3	1.5	1.0	1.0	1.1	2.8	
11. SC91-1756	1.0	4.3	3.2	3.5	1.2	1.3	1.4	2.3	
12. SC91-2447	1.0	4.5	1.0	1.0	1.0	1.3	2.5	2.5	
13. SC91-2573	1.0	4.0	1.3	1.5	1.0	1.0	2.9	2.5	
14. TSB90-302	1.0	3.5	3.3	5.0	1.0	4.0	3.1	4.3	

TABLE 71 - SEED YIELD, IN BUSHELS PER ACRE, FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

EAST

STRAIN/ VARIETY	FLORENCE SC
COOK	16.8
MAXCY	26.0
AU89-2256	26.8
SC89-551	28.0
TSB88-1266	22.4
AU91-13	22.1
AU91-41	30.9
AU91-1970	26.3
F89-4067	29.3
G90-1551	28.9
SC91-1756	34.8
SC91-2447	30.6
SC91-2573	29.3
TSB90-302	30.2
L.S.D. (0.05)	11.5
C.V. (%)	19.4

WEST

STRAIN/ VARIETY	BEAUMONT TX
COOK	37.9
MAXCY	40.8
AU89-2256	36.9
SC89-551	39.0
TSB88-1266	39.6
AU91-13	43.6
AU91-41	45.8
AU91-1970	42.1
F89-4067	40.5
G90-1551	39.5
SC91-1756	42.2
SC91-2447	35.4
SC91-2573	36.0
TSB90-302	35.7
L.S.D. (0.05)	7.6
C.V. (%)	11.4

TABLE 71 - (Continued).

STRAIN/ VARIETY	SOUTH												MEAN
	ATHENS GA	ATHENS GA (L)	BATON ROUGE LA	BLACK- VILLE SC (E)	BLACK- VILLE SC (L)	FAIR- HOPE AL	JAY FL	PLAINS GA	QUINCY FL (L)	TALLAS- SEE AL (E)	TALLAS- SEE AL (L) †	TIFTON GA	
COOK	35.1	31.4	63.2	28.6	35.3	51.5	33.7	50.6	41.9	17.9	9.8	14.5	36.7
MAXCY	48.8	32.3	48.5	27.3	32.6	43.4	33.7	51.8	42.5	13.7	13.2	14.9	35.4
AU89-2256	45.6	29.2	56.0	28.2	36.5	52.5	34.3	38.3	47.3	12.0	18.4	11.7	35.6
SC89-551	46.9	33.0	60.6	28.4	34.9	47.4	35.0	55.0	48.7	17.6	14.5	9.6	37.9
TSB88-1266	31.8	29.0	56.2	21.0	30.1	43.2	34.0	45.0	44.2	9.2	10.1	11.0	32.3
AU91-13	41.9	31.0	45.6	34.5	35.6	51.7	38.0	49.2	52.6	14.3	17.1	12.1	37.0
AU91-41	45.3	32.6	53.9	26.5	32.9	46.2	32.0	54.0	45.0	14.4	15.6	11.8	35.9
AU91-1970	48.2	35.8	58.4	30.8	31.8	51.1	33.0	44.5	45.0	13.0	16.7	15.9	37.0
F89-4067	42.8	33.8	52.2	25.1	36.0	55.9	37.3	48.7	44.2	10.9	14.7	17.1	36.7
G90-1551	50.8	35.4	61.8	32.1	39.5	48.8	39.0	46.3	47.6	16.3	18.2	13.2	39.2
SC91-1756	44.1	36.4	55.6	29.9	41.8	52.9	32.3	49.9	53.1	17.0	18.2	14.9	38.9
SC91-2447	40.9	31.8	59.1	29.2	35.4	42.8	34.3	48.6	45.0	15.4	15.3	18.4	36.5
SC91-2573	47.5	31.6	55.5	25.7	34.6	43.4	35.0	45.9	46.5	17.8	15.2	14.8	36.2
TSB90-302	32.0	29.3	.	22.8	40.8	46.4	35.0	46.2	42.0	7.6	8.9	10.1	31.2
L.S.D. (0.05)	6.2	5.2	.	5.9	6.6	5.1	6.4	7.3	6.2	3.2	9.6	7.7	.
C.V. (%)	8.6	9.6	.	12.7	11.1	6.3	10.9	9.1	8.1	13.4	39.1	27.9	.

† Not included in mean.

TABLE 72 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

OIL PERCENTAGE											
STRAIN/ VARIETY	ATHENS GA	ATHENS GA (L)	BEAUMONT TX	BLACKVILLE SC (E)	FAIRHOPE AL	FLORENCE SC	JAY FL	PLAINS GA	TALLASSEE AL (E)	TALLASSEE AL (L)	MEAN
COOK	20.9	20.0	20.3	20.5	20.0	20.8	22.4	20.1	18.9	17.4	20.4
MAXCY	20.6	20.4	20.9	19.9	20.5	20.2	22.4	20.2	18.8	17.0	20.4
AU89-2256	20.9	20.6	20.3	19.2	19.8	20.2	21.9	20.1	18.4	18.2	20.2
SC89-551	20.9	21.9	20.6	20.9	20.3	20.5	22.8	20.0	19.9	18.2	20.9
TSB88-1266	20.7	20.6	20.7	20.8	20.7	21.1	22.9	20.7	19.2	18.0	20.8
AU91-13	20.9	20.1	21.3	20.3	21.0	21.7	22.5	19.9	20.7	18.2	20.9
AU91-41	20.9	20.8	21.6	20.6	21.1	21.8	22.8	20.4	21.0	18.3	21.2
AU91-1970	20.9	20.5	20.9	20.5	20.9	21.3	22.5	20.0	19.6	16.8	20.8
F89-4067	20.4	20.1	20.3	20.0	20.3	20.4	22.1	20.4	18.6	17.6	20.3
G90-1551	20.5	20.2	20.4	20.1	20.0	20.5	21.9	20.1	19.6	18.1	20.4
SC91-1756	21.3	20.3	20.7	20.4	20.2	20.3	22.3	20.0	19.3	17.3	20.5
SC91-2447	20.4	19.4	20.0	19.5	19.3	20.6	21.6	20.0	18.8	17.3	20.0
SC91-2573	21.4	20.4	20.7	20.7	20.4	21.5	22.6	20.9	19.7	18.1	20.9
TSB90-302	21.2	20.4	20.9	20.7	20.8	21.1	22.5	20.9	19.8	18.7	20.9

PROTEIN PERCENTAGE											
STRAIN/ VARIETY	ATHENS GA	ATHENS GA (L)	BEAUMONT TX	BLACKVILLE SC (E)	FAIRHOPE AL	FLORENCE SC	JAY FL	PLAINS GA	TALLASSEE AL (E)	TALLASSEE AL (L)	MEAN
COOK	41.6	41.4	44.7	41.7	43.2	39.5	41.0	41.2	41.8	45.1	41.8
MAXCY	42.6	39.3	43.5	42.3	42.4	40.8	40.9	41.5	43.4	44.2	41.9
AU89-2256	43.5	40.3	45.2	44.0	43.8	41.3	42.7	41.4	43.0	44.5	42.8
SC89-551	41.8	40.6	43.8	41.2	42.3	40.2	40.6	40.5	39.0	44.6	41.1
TSB88-1266	42.7	40.2	43.0	40.6	40.5	38.3	39.5	40.8	40.4	44.7	40.7
AU91-13	42.0	40.3	43.0	41.3	41.1	38.8	40.8	40.8	39.5	42.3	40.8
AU91-41	42.7	38.3	40.9	39.2	40.0	37.7	40.2	40.3	37.7	41.1	39.7
AU91-1970	43.1	40.7	44.2	42.5	42.4	40.6	41.2	42.4	40.0	45.2	41.9
F89-4067	43.2	41.7	45.5	42.4	43.4	41.0	41.2	40.0	41.7	44.5	42.2
G90-1551	44.7	42.1	45.9	42.8	44.7	41.3	42.7	41.0	40.2	43.4	42.8
SC91-1756	43.9	40.0	44.9	42.4	44.0	41.2	42.0	41.8	40.5	44.8	42.3
SC91-2447	43.8	40.3	44.9	43.8	44.1	41.2	42.3	41.5	40.9	45.8	42.5
SC91-2573	40.8	39.7	44.2	42.2	43.0	38.9	41.1	39.5	40.1	43.4	41.1
TSB90-302	41.3	40.5	44.5	41.8	42.7	40.4	41.7	38.9	40.8	43.3	41.4

TABLE 72 - (Continued).

STRAIN/ VARIETY	GRAMS PER 100 SEED											
	ATHENS GA	ATHENS GA (L)	BEAUMONT TX	BLACKVILLE SC (E)	FAIRHOPE AL	FLORENCE SC	JAY FL	PLAINS GA	TALLASSEE AL (E)	TALLASSEE AL (L)	TIFTON GA	MEAN
COOK	15.1	16.6	16.1	12.8	13.9	12.3	18.1	17.3	11.7	10.5	13.5	14.7
MAXCY	16.0	15.9	15.0	13.0	13.0	13.2	17.5	18.0	11.9	10.1	12.5	14.6
AU89-2256	15.6	15.9	15.5	12.6	13.4	13.5	18.9	16.4	11.0	9.5	14.5	14.7
SC89-551	14.5	15.4	14.0	13.3	13.1	12.4	17.5	16.5	10.6	9.8	12.2	14.0
TSB88-1266	14.1	14.8	14.9	13.4	12.0	13.3	14.8	15.3	10.6	10.0	11.8	13.5
AU91-13	14.6	15.8	14.4	11.6	13.9	13.2	18.3	15.2	11.4	9.5	14.1	14.3
AU91-41	15.8	15.7	13.8	11.4	11.9	12.9	16.1	15.5	12.0	9.4	11.9	13.7
AU91-1970	15.9	15.8	16.1	12.8	13.2	14.1	16.4	16.6	12.1	9.2	13.9	14.7
F89-4067	17.3	18.3	16.8	16.0	14.8	17.2	15.6	17.7	12.2	9.5	15.4	16.1
G90-1551	15.0	14.8	14.3	11.6	13.0	12.0	16.6	15.5	10.5	9.3	13.7	13.7
SC91-1756	15.6	16.3	16.1	13.4	15.6	14.7	17.1	18.0	12.7	10.7	12.8	15.2
SC91-2447	14.8	16.0	14.1	13.9	12.6	13.7	15.3	16.3	10.4	9.4	14.5	14.2
SC91-2573	14.2	14.9	13.6	13.2	13.4	12.8	15.2	15.3	11.2	9.6	13.6	13.7
TSB90-302	14.7	15.9	16.1	14.4	14.2	14.2	16.6	17.5	11.9	10.5	13.2	14.9

TABLE 73 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN COOK, FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

EAST

STRAIN/ VARIETY	FLORENCE SC
COOK	10/29
MAXCY	-2
AU89-2256	4
SC89-551	-1
TSB88-1266	1
AU91-13	3
AU91-41	1
AU91-1970	1
F89-4067	5
G90-1551	4
SC91-1756	-2
SC91-2447	2
SC91-2573	1
TSB90-302	6

WEST

STRAIN/ VARIETY	BEAUMONT TX
COOK	10/25
MAXCY	1
AU89-2256	6
SC89-551	1
TSB88-1266	5
AU91-13	4
AU91-41	0
AU91-1970	3
F89-4067	5
G90-1551	6
SC91-1756	3
SC91-2447	3
SC91-2573	3
TSB90-302	4

TABLE 73 - (Continued).

SOUTH

STRAIN/ VARIETY	ATHENS		BATON	BLACK-	BLACK-	FAIR-	TALLAS-		TALLAS-	TIFTON	
	GA	GA (L)	ROUGE LA	VILLE SC (E)	VILLE SC (L)	HOPE AL	JAY FL	SEE AL (E)	SEE AL (L) †	GA	MEAN
COOK	10/21	11/01	10/28	10/27	11/08	10/20	11/06	10/30	11/03	10/21	10/28
MAXCY	2	3	-1	3	0	2	7	1	-4	-10	1
AU89-2256	7	13	0	7	9	6	4	4	2	8	7
SC89-551	5	9	.	4	2	1	4	1	2	-6	3
TSB88-1266	3	6	.	3	0	3	0	2	1	2	3
AU91-13	3	11	.	6	6	3	10	1	1	2	6
AU91-41	3	1	0	3	0	2	4	2	-3	-5	2
AU91-1970	1	10	-2	1	2	2	4	2	-1	6	3
F89-4067	5	11	.	6	5	4	3	7	3	9	7
G90-1551	5	10	.	5	1	3	11	3	2	4	6
SC91-1756	2	8	-1	1	1	3	11	3	-2	6	4
SC91-2447	3	9	.	4	3	2	3	4	1	6	5
SC91-2573	4	8	0	3	5	1	6	3	-2	6	4
TSB90-302	6	13	.	6	7	5	6	3	2	5	7

TABLE 74 - PLANT HEIGHT FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

EAST

STRAIN/ VARIETY	FLORENCE SC
COOK	23
MAXCY	22
AU89-2256	23
SC89-551	25
TSB88-1266	22
AU91-13	18
AU91-41	20
AU91-1970	18
F89-4067	24
G90-1551	20
SC91-1756	23
SC91-2447	25
SC91-2573	24
TSB90-302	25

WEST

STRAIN/ VARIETY	BEAUMONT TX
COOK	29
MAXCY	30
AU89-2256	28
SC89-551	29
TSB88-1266	32
AU91-13	33
AU91-41	35
AU91-1970	29
F89-4067	35
G90-1551	31
SC91-1756	35
SC91-2447	35
SC91-2573	34
TSB90-302	30

TABLE 74 - (Continued).

STRAIN/ VARIETY	SOUTH											
	ATHENS GA	ATHENS GA (L)	BATON ROUGE LA	BLACK- VILLE SC (E)	BLACK- VILLE SC (L)	FAIR- HOPE AL	JAY FL	PLAINS GA	TALLAS- SEE AL (E)	TALLAS- SEE AL (L)	TIFTON GA	MEAN
COOK	41	32	40	30	28	31	21	40	28	20	30	32
MAXCY	39	33	38	34	29	31	21	36	29	18	28	32
AU89-2256	39	26	39	29	27	33	19	40	29	17	31	31
SC89-551	41	35	40	34	32	32	20	37	30	18	32	33
TSB88-1266	41	35	45	31	29	29	19	36	32	22	27	32
AU91-13	39	35	45	38	35	40	24	36	29	23	34	35
AU91-41	38	33	40	34	27	35	22	40	29	17	25	32
AU91-1970	40	34	43	36	33	35	24	40	29	21	32	35
F89-4067	42	35	45	36	34	34	24	40	33	23	32	35
G90-1551	40	34	42	31	30	36	23	40	26	20	29	33
SC91-1756	42	33	40	36	36	33	23	39	33	22	38	35
SC91-2447	41	34	45	34	35	37	23	39	30	20	34	35
SC91-2573	40	34	40	35	34	35	24	39	30	19	32	34
TSB90-302	45	31	44	33	31	33	21	40	28	17	36	34

TABLE 75 - LODGING SCORES FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

SOUTH										
STRAIN/ VARIETY	ATHENS GA	ATHENS GA (L)	BATON ROUGE LA	BLACK- VILLE SC (L)	FAIR- HOPE AL	JAY FL	PLAINS GA	TALLAS- SEE AL (E)	TALLAS- SEE AL (L) †	MEAN
COOK	1.5	2.3	2.5	1.0	3.3	3.1	2.5	0.8	1.8	2.1
MAXCY	2.7	2.5	3.5	1.0	2.7	2.7	3.7	1.2	2.2	2.5
AU89-2256	2.0	2.3	2.5	1.0	2.0	3.3	2.2	0.5	2.0	2.0
SC89-551	2.2	3.2	3.5	1.0	3.0	3.3	2.8	1.7	2.2	2.6
TSB88-1266	2.0	3.2	5.0	1.0	3.7	3.3	3.5	1.5	2.0	2.9
AU91-13	2.0	2.5	4.5	1.0	3.3	2.7	2.7	0.5	2.0	2.4
AU91-41	2.0	2.0	3.5	1.0	3.7	3.3	2.8	0.8	2.0	2.4
AU91-1970	2.0	2.8	4.0	1.5	3.3	2.3	3.3	0.8	2.0	2.5
F89-4067	2.8	3.5	3.0	2.0	3.3	2.3	2.8	1.5	1.8	2.7
G90-1551	2.0	2.5	4.5	1.0	3.0	2.3	3.0	1.2	2.0	2.4
SC91-1756	2.0	2.0	2.5	1.0	2.3	2.3	3.0	1.2	2.0	2.0
SC91-2447	2.2	2.8	3.5	2.5	2.7	2.0	3.3	1.2	2.0	2.5
SC91-2573	1.8	2.5	3.5	1.0	2.7	2.0	3.0	1.2	2.0	2.2
TSB90-302	1.7	1.8	4.0	1.0	2.0	2.0	2.3	0.5	1.8	1.9

WEST	
STRAIN/ VARIETY	BEAUMONT TX
COOK	1.0
MAXCY	1.0
AU89-2256	1.0
SC89-551	1.0
TSB88-1266	1.5
AU91-13	1.3
AU91-41	1.2
AU91-1970	1.0
F89-4067	1.8
G90-1551	1.0
SC91-1756	1.0
SC91-2447	1.2
SC91-2573	1.3
TSB90-302	1.0

† Not included in mean.

TABLE 76 - SEED QUALITY FOR STRAIN/VARIETY IN UNIFORM GROUP VIII, 1995.

SOUTH

STRAIN/ VARIETY	ATHENS		FAIR-		PLAINS GA	TALLAS-		TIFTON GA	MEAN
	GA	GA (L)	HOPE AL	JAY FL		SEE AL (E)	SEE AL (L)		
COOK	1.7	1.5	1	2	2.0	1	1.0	3.0	1.7
MAXCY	1.7	1.7	1	2	2.0	1	1.0	2.3	1.7
AU89-2256	1.5	1.5	1	3	1.7	1	1.0	3.0	1.8
SC89-551	2.0	1.5	1	3	1.8	1	1.0	2.3	1.8
TSB88-1266	1.7	1.5	1	3	1.7	1	1.0	2.7	1.8
AU91-13	1.7	1.5	1	2	1.8	1	1.0	2.5	1.6
AU91-41	1.5	1.7	1	2	2.0	1	1.0	3.0	1.7
AU91-1970	2.0	1.5	1	2	2.0	1	1.0	3.0	1.8
F89-4067	2.2	2.0	1	2	1.8	1	1.0	3.0	1.9
G90-1551	1.8	1.5	1	2	2.0	1	1.0	2.7	1.7
SC91-1756	2.2	1.5	1	2	2.0	1	1.0	4.0	2.0
SC91-2447	1.5	1.5	1	2	1.8	1	1.0	2.7	1.6
SC91-2573	1.7	1.5	1	2	2.0	1	1.0	2.3	1.6
TSB90-302	1.8	1.5	1	2	1.8	1	1.5	2.5	1.7

WEST

STRAIN/ VARIETY	BEAUMONT TX
COOK	1.0
MAXCY	1.5
AU89-2256	1.2
SC89-551	1.2
TSB88-1266	1.3
AU91-13	1.2
AU91-41	1.3
AU91-1970	1.2
F89-4067	1.2
G90-1551	1.2
SC91-1756	1.2
SC91-2447	1.0
SC91-2573	1.0
TSB90-302	1.2

PRELIMINARY GROUP VIII**1995**

Preliminary Group VIII nurseries were planted at 5 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 77. Table 78 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 79 - 85.

TABLE 77 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	PARENTAGE			GENERATION COMPOSITED
1. COOK	BRAXTON	X	YOUNG	F6
2. MAXCY	D76-9665	X	JOHNSTON	F6
3. BRAXTON	F59-1501	X	(BRAGG (3) X D60-7965)	F5
4. AU92-956	N85-574	X	HASKELL	F6
5. AU92-967	N85-574	X	HASKELL	F6
6. AU92-972	N85-574	X	HASKELL	F6
7. AU92-991	N85-574	X	HASKELL	F6
8. AU92-1251	N85-574	X	HASKELL	F6
9. AU92-2102	AU82-211	X	N85-574	F6
10. F90-988	F80-5179	X	F83-1960	F5
11. F91-2161	GORDON	X	F85-1138	F6
12. F91-2420	PI 417479	X	F87-4039	F5
13. F91-2421	PI 417479	X	F87-4039	F5
14. F91-6023	D82-3333	X	F85-1108	F5
15. F92-3111	F83-1960	X	F85-2927	F6
16. G91-270	CO82-622	X	BRYAN	F5
17. G91-2138	F81-2815	X	COLQUITT	F7
18. G91-2218	F81-2815	X	COLQUITT	F7
19. G91-2244	F81-2815	X	COLQUITT	F7
20. G91-2468	CO82-622	X	HOWARD	F5
21. G91-5037	LAMAR	X	G81-152	F6
22. SC92-130	COKER 82-622	X	HOWARD	F6
23. SC92-899	BRIM	X	COKER 82-622	F5
24. SC92-1906	COKER 6847	X	LAMAR	F5
25. SC92-2677	STONEWALL	X	COKER 6738	F5
26. SC92-3091	HAGOOD	X	COKER 6738	F5
27. SC92-3093	HAGOOD	X	COKER 6738	F5
28. TSB92-1290	AU82-211	X	THOMAS	F5
29. TSB92-1555	D82-10143	X	ASGROW 7986	F5
30. TSB92-1658	D82-10143	X	ASGROW 7986	F5
31. TSB92-2613	F83-7951	X	SC82-1648	F5
32. TSB92-3952	AU82-211	X	BRAXTON	F5

TABLE 78 - GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	-----PERCENT-----			SEED SIZE	LODGING	SEED QUALITY	M.a. TN	M.i. TN	SCN 3	SCN 14
			HEIGHT	OIL	PROTEIN							
COOK	37.7	10/30	32	20.6	42.7	15.8	1.9	1.5	3.2	1.0	5.0	4.8
MAXCY	36.3	3+	31	20.3	42.0	15.0	1.9	1.4	2.3	1.0	1.1	4.7
BRAXTON	32.6	3+	31	20.2	43.0	16.7	1.7	1.6	1.7	1.0	5.0	4.8
AU92-956	38.0	4+	33	20.9	42.1	17.2	2.3	1.6	3.2	1.0	4.9	5.0
AU92-967	37.6	4+	32	20.9	42.4	14.7	2.2	1.5	2.2	1.0	5.0	4.9
AU92-972	36.8	4+	32	20.4	41.0-	15.1	1.9	1.4	1.3	1.0	5.0	4.9
AU92-991	37.8	4+	35	20.7	41.1-	16.0	2.0	1.4	1.5	1.0	5.0	4.9
AU92-1251	30.3-	2+	30	20.7	41.5	15.1	2.1	1.5	3.8	1.0	4.9	4.7
AU92-2102	38.2	2+	30	20.4	41.8	15.5	1.8	1.5	4.0	1.0	5.0	4.7
F90-988	36.1	9+	36	20.2	42.1	11.9	2.2	1.6	2.0	1.0	1.6	1.7
F91-2161	32.0	3+	38	20.1	42.5	12.8	3.0	1.6	2.2	1.0	5.0	4.9
F91-2420	31.6-	0	31	19.8-	42.6	11.2	3.1	1.8	1.7	1.0	5.0	4.7
F91-2421	31.3-	1+	33	19.8-	42.8	10.8	3.1	1.5	1.3	1.0	5.0	4.6
F91-6023	32.8	12+	35	20.2	41.9	13.5	2.0	1.8	1.0	1.0	1.2	5.0
F92-3111	30.8-	6+	34	19.8-	43.6	11.7	2.8	1.6	2.3	1.0	1.1	2.5
G91-270	39.3	1-	33	21.0	40.6-	14.2	2.2	1.6	3.0	1.0	1.0	5.0
G91-2138	36.2	4+	30	19.8-	43.3	14.8	1.9	1.6	2.5	1.0	1.0	5.0
G91-2218	36.3	5+	32	20.0-	43.2	15.5	2.0	1.6	1.5	1.0	1.0	5.0
G91-2244	38.6	3+	30	20.0-	43.1	14.3	1.7	1.8	3.2	1.0	1.0	5.0
G91-2468	35.6	2+	29	19.9-	42.9	14.4	2.1	1.6	1.3	1.0	1.0	5.0
G91-5037	34.4	2+	31	20.9	45.0+	12.8	2.0	1.5	1.0	1.0	1.2	4.9
SC92-130	35.8	2+	33	20.3	42.4	13.9	1.9	1.4	1.5	1.0	1.0	1.2
SC92-899	36.0	0	32	20.1	42.1	14.2	1.9	1.6	4.0	1.4	3.1	4.7
SC92-1906	38.5	3+	32	20.2	43.2	14.0	1.8	2.2	1.5	1.0	1.0	5.0
SC92-2677	38.0	2+	33	20.5	42.2	17.0	1.6	1.5	1.0	1.0	1.0	4.9
SC92-3091	39.9	3+	32	20.7	43.2	14.8	1.8	1.6	2.8	1.0	1.0	5.0
SC92-3093	36.2	3+	34	20.5	41.3	14.8	1.9	1.6	1.0	1.0	1.0	4.8
TSB92-1290	34.4	3+	31	20.3	42.4	16.1	2.0	1.6	3.5	1.0	2.0	4.7
TSB92-1555	33.4	3+	31	19.4-	42.9	13.5	1.7	1.8	1.0	1.0	5.0	4.7
TSB92-1658	32.7	3+	34	20.4	44.0	14.9	2.5	1.8	1.7	1.0	5.0	4.9
TSB92-2613	28.7-	6+	36	19.5-	44.8+	15.0	1.8	1.8	1.0	1.0	4.8	5.0
TSB92-3952	33.7	5+	36	20.6	41.5	16.7	2.4	1.7	4.2	1.0	4.8	5.0
Overall Mean	35.2			20.3	42.5							
L.S.D (.05)	6.1			0.6	1.6							
C.V.	13%			2%	3%							

TABLE 79 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT	BLACKVILLE	JAY	PLAINS	TALLASSEE	MEAN
	TX	SC	FL	GA	AL	
COOK	40.5	31.5	33.0	56.0	27.6	37.7
MAXCY	40.6	32.0	32.5	54.6	22.0	36.3
BRAXTON	25.6-	24.2-	30.0	60.5	22.8	32.6
AU92-956	37.0	30.4	41.5	57.5	23.6	38.0
AU92-967	38.2	30.6	43.0+	60.0	16.4-	37.6
AU92-972	39.9	25.2-	42.5+	61.9	14.4-	36.8
AU92-991	41.2	29.5	47.5+	54.3	16.4-	37.8
AU92-1251	32.1-	24.6-	36.0	46.3	12.6-	30.3-
AU92-2102	45.6	26.4	42.0	61.0	16.1-	38.2
F90-988	35.6	32.3	43.0+	54.3	15.5-	36.1
F91-2161	27.2-	25.7-	39.5	47.1	20.5	32.0
F91-2420	30.3-	21.2-	35.5	55.6	15.2-	31.6-
F91-2421	29.0-	25.6-	35.0	53.3	13.7-	31.3-
F91-6023	30.7-	24.0-	37.5	55.8	16.0-	32.8
F92-3111	24.1-	27.0	34.0	49.9	19.2-	30.8-
G91-270	34.7	29.3	36.0	60.5	36.4+	39.3
G91-2138	33.5	28.6	38.5	60.1	20.2	36.2
G91-2218	33.8	26.4	39.0	56.5	25.8	36.3
G91-2244	40.5	26.5	36.5	60.7	29.0	38.6
G91-2468	30.6-	29.1	41.5	57.3	19.5-	35.6
G91-5037	30.0-	26.9	30.0	54.7	30.4	34.4
SC92-130	31.4-	32.5	40.5	51.8	22.9	35.8
SC92-899	29.4-	33.2	38.5	60.2	18.5-	36.0
SC92-1906	31.8-	34.1	42.5+	61.5	22.6	38.5
SC92-2677	37.1	29.8	39.0	68.9+	15.5-	38.0
SC92-3091	39.3	31.2	46.5+	58.0	24.7	39.9
SC92-3093	35.3	28.4	41.5	52.0	24.1	36.2
TSB92-1290	37.7	31.4	35.0	48.8	19.3-	34.4
TSB92-1555	33.8	23.0-	36.0	52.2	21.9	33.4
TSB92-1658	36.8	31.5	31.5	51.7	12.1-	32.7
TSB92-2613	32.0-	23.1-	37.0	43.0-	8.6-	28.7-
TSB92-3952	41.6	29.6	26.5	58.0	13.0-	33.7
L.S.D. (0.05)	7.3	5.8	9.2	12.7	8.0	6.1
C.V. (%)	10.4	10.1	11.3	11.2	19.8	13.0

TABLE 80 - OIL PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT TX	BLACKVILLE SC	JAY FL	PLAINS GA	TALLASSEE AL	MEAN
COOK	20.3	20.2	21.5	20.7	20.1	20.6
MAXCY	20.2	20.2	22.0	20.6	18.7	20.3
BRAXTON	19.9	19.6	22.0	20.3	19.4	20.2
AU92-956	20.7	20.7	22.2	20.9	20.2	20.9
AU92-967	20.9	20.5	22.3	20.7	19.9	20.9
AU92-972	20.3	19.8	21.9	21.0	19.1	20.4
AU92-991	20.5	20.5	22.2	21.1	19.1	20.7
AU92-1251	20.6	20.3	22.4	21.1	19.2	20.7
AU92-2102	20.2	19.9	21.4	20.6	19.9	20.4
F90-988	19.4	19.9	21.1	21.1	19.3	20.2
F91-2161	19.4	19.9	21.2	20.4	19.8	20.1
F91-2420	19.8	18.7	20.6	20.4	19.4	19.8
F91-2421	19.5	19.2	20.9	20.2	19.1	19.8
F91-6023	19.9	19.5	21.4	20.8	19.5	20.2
F92-3111	21.5	18.6	19.9	19.9	19.0	19.8
G91-270	21.3	21.1	21.9	19.9	21.0	21.0
G91-2138	20.0	19.8	20.9	20.2	18.2	19.8
G91-2218	19.7	19.8	21.3	19.9	19.2	20.0
G91-2244	20.3	19.7	21.2	20.3	18.4	20.0
G91-2468	19.7	19.5	21.0	20.8	18.6	19.9
G91-5037	20.6	20.7	21.8	21.3	20.3	20.9
SC92-130	19.9	20.0	20.9	20.8	20.0	20.3
SC92-899	19.9	20.1	19.9	20.6	20.0	20.1
SC92-1906	19.7	19.7	21.2	20.7	19.7	20.2
SC92-2677	20.3	20.2	21.3	20.6	20.2	20.5
SC92-3091	20.6	20.7	21.4	20.8	20.2	20.7
SC92-3093	19.9	20.0	21.7	20.5	20.6	20.5
TSB92-1290	20.3	19.5	21.3	20.4	19.9	20.3
TSB92-1555	19.4	19.0	20.0	19.8	18.6	19.4
TSB92-1658	20.0	20.3	21.2	20.8	19.6	20.4
TSB92-2613	19.5	19.4	20.8	19.9	18.0	19.5
TSB92-3952	21.0	20.0	21.8	20.8	19.6	20.6

TABLE 81 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT	BLACKVILLE	JAY	PLAINS	TALLASSEE	MEAN
	TX	SC	FL	GA	AL	
COOK	46.5	42.8	42.3	41.4	40.3	42.7
MAXCY	43.9	41.2	41.1	42.4	41.5	42.0
BRAXTON	45.2	43.9	41.9	42.4	41.8	43.0
AU92-956	45.0	42.4	41.3	42.3	39.7	42.1
AU92-967	44.8	43.1	41.3	42.0	41.0	42.4
AU92-972	44.4	41.6	39.8	40.7	38.6	41.0
AU92-991	44.2	41.0	40.2	40.9	39.2	41.1
AU92-1251	44.0	41.2	41.3	42.0	39.0	41.5
AU92-2102	43.8	43.1	41.6	41.8	38.7	41.8
F90-988	44.3	42.3	41.5	41.1	41.2	42.1
F91-2161	46.4	43.6	40.7	41.4	40.5	42.5
F91-2420	43.7	44.7	42.6	43.2	38.8	42.6
F91-2421	45.3	43.3	42.2	43.3	39.7	42.8
F91-6023	43.8	44.0	39.8	41.1	40.9	41.9
F92-3111	42.0	45.0	44.9	43.6	42.4	43.6
G91-270	42.0	39.3	40.8	40.6	40.3	40.6
G91-2138	45.7	42.3	42.0	42.1	44.6	43.3
G91-2218	46.1	42.5	41.6	42.1	43.7	43.2
G91-2244	44.1	42.4	41.9	42.9	44.3	43.1
G91-2468	45.9	42.1	41.5	41.5	43.3	42.9
G91-5037	48.6	44.7	43.5	43.1	44.9	45.0
SC92-130	46.6	42.1	42.3	41.5	39.6	42.4
SC92-899	45.2	41.5	44.0	41.9	37.9	42.1
SC92-1906	48.1	43.5	42.2	42.3	40.1	43.2
SC92-2677	43.7	42.7	43.8	42.2	38.8	42.2
SC92-3091	44.5	43.8	44.2	42.5	40.9	43.2
SC92-3093	44.0	41.8	41.3	41.6	38.0	41.3
TSB92-1290	44.6	43.1	42.7	41.0	40.5	42.4
TSB92-1555	44.8	43.1	42.4	42.5	41.9	42.9
TSB92-1658	48.0	43.7	43.8	43.5	41.1	44.0
TSB92-2613	45.7	45.6	43.3	45.2	44.4	44.8
TSB92-3952	42.7	41.3	41.6	42.1	39.6	41.5

TABLE 82 - SEED SIZE FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT TX	BLACKVILLE SC	JAY FL	PLAINS GA	TALLASSEE AL	MEAN
COOK	14.7	13.3	20.7	17.4	12.8	15.8
MAXCY	13.8	12.8	18.7	17.6	12.2	15.0
BRAXTON	15.3	14.9	20.2	19.7	13.6	16.7
AU92-956	17.3	15.6	20.2	19.6	13.3	17.2
AU92-967	16.5	13.2	16.7	15.9	11.0	14.7
AU92-972	16.2	13.4	18.2	17.2	10.6	15.1
AU92-991	17.3	14.0	19.5	17.9	11.3	16.0
AU92-1251	15.6	12.4	18.6	18.1	10.9	15.1
AU92-2102	15.6	14.6	17.6	18.2	11.7	15.5
F90-988	11.3	10.0	14.8	14.2	9.2	11.9
F91-2161	12.1	12.6	13.9	14.7	10.9	12.8
F91-2420	10.8	9.8	13.1	13.2	9.0	11.2
F91-2421	10.5	9.7	11.7	13.1	9.2	10.8
F91-6023	13.5	13.6	14.7	15.1	10.8	13.5
F92-3111	11.8	9.4	13.6	14.2	9.7	11.7
G91-270	12.8	11.8	16.1	16.5	13.7	14.2
G91-2138	15.0	13.8	16.1	17.4	11.9	14.8
G91-2218	15.1	13.4	15.9	17.7	15.5	15.5
G91-2244	13.5	12.8	14.9	16.9	13.2	14.3
G91-2468	13.4	13.3	16.5	18.0	11.0	14.4
G91-5037	12.2	11.1	14.5	14.6	11.7	12.8
SC92-130	14.2	13.6	15.2	15.7	11.0	13.9
SC92-899	12.9	12.7	15.0	17.8	12.4	14.2
SC92-1906	13.1	12.8	15.6	16.0	12.5	14.0
SC92-2677	18.6	14.7	18.3	20.9	12.4	17.0
SC92-3091	14.9	13.3	16.1	17.9	12.1	14.8
SC92-3093	15.2	12.5	15.6	17.5	13.2	14.8
TSB92-1290	16.3	14.5	17.6	19.2	12.9	16.1
TSB92-1555	13.6	11.1	15.4	16.3	11.1	13.5
TSB92-1658	15.6	14.3	16.0	17.6	10.9	14.9
TSB92-2613	16.2	13.5	15.3	18.9	11.0	15.0
TSB92-3952	17.2	14.6	17.1	20.9	13.9	16.7

TABLE 83 - PLANT HEIGHT FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT	BLACKVILLE	JAY	PLAINS	TALLASSEE	MEAN
	TX	SC	FL	GA	AL	
COOK	37	32	19	43	32	32
MAXCY	36	31	20	39	31	31
BRAXTON	32	29	22	43	28	31
AU92-956	37	34	24	37	33	33
AU92-967	39	35	23	38	28	32
AU92-972	35	32	24	39	30	32
AU92-991	35	34	25	43	38	35
AU92-1251	30	33	22	35	28	30
AU92-2102	34	30	19	41	29	30
F90-988	39	40	24	45	31	36
F91-2161	44	38	21	51	35	38
F91-2420	36	32	23	37	30	31
F91-2421	35	35	25	37	33	33
F91-6023	39	42	20	48	28	35
F92-3111	37	38	20	38	37	34
G91-270	39	34	20	40	35	33
G91-2138	35	33	21	40	24	30
G91-2218	37	33	22	41	28	32
G91-2244	35	31	21	36	27	30
G91-2468	34	28	19	37	26	29
G91-5037	35	31	22	38	29	31
SC92-130	41	34	21	39	30	33
SC92-899	31	34	23	43	30	32
SC92-1906	40	36	23	35	28	32
SC92-2677	39	33	27	42	27	33
SC92-3091	36	34	20	41	28	32
SC92-3093	37	36	19	45	32	34
TSB92-1290	33	34	21	42	27	31
TSB92-1555	33	30	25	42	25	31
TSB92-1658	38	37	24	41	30	34
TSB92-2613	42	37	25	50	29	36
TSB92-3952	38	42	26	45	28	36

TABLE 84 - LODGING SCORES FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT	BLACKVILLE	JAY	PLAINS	TALLASSEE	MEAN
	TX	SC	FL	GA	AL	
COOK	2.0	1.0	2.0	3.3	1.0	1.9
MAXCY	1.5	1.0	2.5	2.5	2.0	1.9
BRAXTON	1.0	1.0	2.5	2.3	1.5	1.7
AU92-956	2.0	1.0	3.0	4.0	1.5	2.3
AU92-967	2.0	1.5	3.0	3.5	1.0	2.2
AU92-972	2.0	1.0	3.0	2.3	1.0	1.9
AU92-991	1.3	1.0	3.0	3.3	1.3	2.0
AU92-1251	1.5	1.0	3.0	3.8	1.3	2.1
AU92-2102	1.0	1.0	3.5	2.3	1.3	1.8
F90-988	2.3	1.0	3.5	3.0	1.3	2.2
F91-2161	2.8	2.5	4.0	3.8	1.8	3.0
F91-2420	2.3	4.0	4.0	3.8	1.3	3.1
F91-2421	2.3	4.0	4.0	3.8	1.3	3.1
F91-6023	1.3	1.0	4.0	2.3	1.3	2.0
F92-3111	2.5	3.0	3.0	3.8	1.8	2.8
G91-270	2.0	1.0	3.0	2.8	2.0	2.2
G91-2138	2.0	1.0	3.0	2.0	1.5	1.9
G91-2218	2.0	1.0	3.0	2.5	1.5	2.0
G91-2244	1.0	1.0	3.0	2.0	1.3	1.7
G91-2468	1.8	1.0	3.0	3.3	1.5	2.1
G91-5037	1.0	2.3	3.0	1.8	1.8	2.0
SC92-130	1.0	1.0	3.0	2.8	1.5	1.9
SC92-899	1.0	1.0	3.5	3.0	1.0	1.9
SC92-1906	1.3	1.0	3.5	2.3	1.0	1.8
SC92-2677	1.0	1.0	3.0	2.5	0.5	1.6
SC92-3091	1.3	1.0	3.5	2.0	1.3	1.8
SC92-3093	1.5	1.0	3.5	2.0	1.5	1.9
TSB92-1290	1.3	1.0	3.5	2.8	1.3	2.0
TSB92-1555	1.0	1.0	3.5	2.0	1.0	1.7
TSB92-1658	2.5	1.5	3.5	3.5	1.5	2.5
TSB92-2613	1.3	1.0	3.5	2.0	1.3	1.8
TSB92-3952	2.0	1.5	3.5	3.3	1.5	2.4

TABLE 85 - SEED QUALITY FOR STRAIN/VARIETY IN PRELIMINARY GROUP VIII, 1995.

STRAIN/ VARIETY	BEAUMONT	JAY	PLAINS	TALLASSEE	MEAN
	TX	FL	GA	AL	
COOK	1.0	2	2.0	1	1.5
MAXCY	1.3	2	1.5	1	1.4
BRAXTON	1.5	2	2.0	1	1.6
AU92-956	1.3	2	2.0	1	1.6
AU92-967	1.0	2	2.0	1	1.5
AU92-972	1.0	2	1.8	1	1.4
AU92-991	1.0	2	1.8	1	1.4
AU92-1251	1.0	2	2.0	1	1.5
AU92-2102	1.0	2	2.0	1	1.5
F90-988	1.0	3	1.5	1	1.6
F91-2161	1.3	2	2.3	1	1.6
F91-2420	1.0	3	2.0	1	1.8
F91-2421	1.0	2	2.0	1	1.5
F91-6023	1.5	3	1.5	1	1.8
F92-3111	1.0	3	1.5	1	1.6
G91-270	1.5	2	2.0	1	1.6
G91-2138	1.5	2	1.8	1	1.6
G91-2218	1.0	3	1.5	1	1.6
G91-2244	1.0	3	2.0	1	1.8
G91-2468	1.3	2	2.0	1	1.6
G91-5037	1.5	2	1.5	1	1.5
SC92-130	1.0	2	1.5	1	1.4
SC92-899	1.3	2	2.3	1	1.6
SC92-1906	1.3	4	2.5	1	2.2
SC92-2677	1.3	2	1.8	1	1.5
SC92-3091	1.0	3	1.5	1	1.6
SC92-3093	1.0	3	1.5	1	1.6
TSB92-1290	1.3	2	2.0	1	1.6
TSB92-1555	1.3	3	2.0	1	1.8
TSB92-1658	1.0	3	2.0	1	1.8
TSB92-2613	1.0	3	2.0	1	1.8
TSB92-3952	1.3	3	1.5	1	1.7