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UNIFORM SOYBEAN TESTS

SOUTHERN STATES

2000

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ACKNOWLEDGEMENTS

The cooperation of Donna I. Thomas and JoDean Sarins, 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, in addition to acting as Interim Test Coordinator is gratefully acknowledged.

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INTRODUCTION

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

Eleven uniform test groups have been established to evaluate the best strains developed in the breeding programs. The groups 00 through IV are adapted in the northern part of the United States, and the groups IV-S through VIII are grown in the southern part. Within their area of adaptation, there is a maturity range of 12 to 18 days within each maturity class. The best 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 check varieties are: KS4694, Manokin, Hutcheson, Boggs, Dillon, Benning, Haskell, Cook, and Prichard.

A wide range of soil and climatic conditions exists in the regions. As an aid in recognizing regional adaptation, the region has been subdivided into five rather broad areas which still represent a wide range of soil types. These are: (1) the East Coast, consisting of the Coastal Plain and Tidewater areas of the eastern shore of Maryland, Virginia, North Carolina, and the upper half of South Carolina; (2) the Southeast, consisting primarily of the Coastal Plain soils of the Gulf Coast area, but also including similar soil from South Carolina, southward; (3) the Upper and Central South, including the Piedmont and loessial hill soils east of the Mississippi River; (4) the Delta area, composed of the alluvial soils along the Mississippi River from southern Missouri, southward; and (5) the West, comprising Arkansas and Louisiana (outside the Delta), Kansas, Oklahoma, and Texas. In the West area, the potential soybean-growing areas would include the alluvial soils, and the Gulf Coast of Louisiana.

On nearly all of the soils, other than the alluvial soils along the Mississippi River, fertilization is essential for satisfactory soybean production. The soil test information is based upon analyses run by laboratories with the states. Different methods are used for extraction and reporting by the various laboratories.

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STRAIN DESIGNATION

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

- AU - Alabama Agricultural Experiment Station, Auburn
- DT - Delta Branch 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
- 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
- V - Virginia Agricultural Experiment Station
- VS - Virginia Agricultural Experiment Station

SOYBEAN NURSERY LOCATIONS

EAST COAST

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

SOUTHEAST

LOCATION	TEST					SOIL TYPE	ROW SPACING*
	IV	V	VI	VII	VIII		
Blackville, SC(A)			U	UP	P	Faceville sandy loam	38
Blackville, SC(B)				U	U	Norfolk sandy loam	38
Tallassee, AL			UP	UP	2U P	Cahaba fine s. l.	30
Fairhope, AL			U	U	U	Malbis fine sandy loam	30
Tifton, GA			U	U	U	Tifton sandy loam	30
Jay, FL				UP	UP	Red Bay sandy loam	36
Baton Rouge, LA		U	U	U	U	Olivier silt loam	30

UPPER AND CENTRAL SOUTH

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

U - Uniform nursery grown

P - Preliminary nursery grown

* - Inches

SOYBEAN NURSERY LOCATIONS - Continued

DELTA

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

WEST

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

U - Uniform nursery grown

P - Preliminary nursery grown

* - Inches

METHODS

Cultural Practices

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

Maturity, Harvest, and Yield

Height 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 - Dillon; UVII and PVII - Benning; 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 NIRT food and feed grain analyzer. Analysis of the seed was conducted on an as is basis and then mathematically converted to a moisture-free basis for reporting.

Pest Assessment

SMV techniques. Thirty seeds of each entry are planted in a single three-foot row in the field at Blacksburg, VA. Inoculation is done 3 to 4 weeks later using SMV strain G1. Inoculation method is described in Ma et. al. 1995. TAG 91:907-914. Counts of resistant and susceptible plants are taken about 4 weeks after inoculation.

Root-knot nematode. Screenings of strains of 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 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
- 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:

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

The isolates of *M. incognita* and *M. arenaria* were obtained from Dr. Robert A. Kinloch, University of Florida. 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 2, 3, and 14 ratings reported for UIVS - UVIII and PIVS - PVIII 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 with the same formula that was used to calculate the root-knot nematode mean ratings.

Stem Canker. Strains from all tests were evaluated at the Delta Research and Extension Center, Stoneville, Mississippi. Strains were planted in single-row plots 1.8 m long. Inoculum was produced by aseptically culturing isolate 86-26 of the fungus on autoclaved toothpicks. Twelve plants per plot were inoculated by forcing a toothpick through the stem in the upper one-third of the plant. Stem canker lesion development was rated after the susceptible check had been killed by the disease. Plants having any external lesion were rated as S. However, due to adverse weather conditions during the 2000 growing season, the stem canker data was inconclusive, and therefore not reported.

Sudden death syndrome. Soybean sudden death syndrome (SDS) was evaluated for UIVS and UV at Carmi and Valmeyer, Illinois, in two plots 10 feet long. Disease incidence (DI), the % of plant exhibiting symptoms, was recorded between growth stages R5.8 and R6.4, along with disease severity (DS), which was scored on a 1-9 scale with 1 = mild chlorosis, 5 = severe leaf scorch, and 9 = premature death of plant. Disease index (DX) was then calculated as $(DI \cdot DS) / 9$. DX is reported.

Statistical Analyses

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

UNIFORM GROUP IV-S

2000

Uniform Group IV-S nurseries were planted at 19 locations. Data were obtained from 17 of these 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,
2000**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. MANOKIN	L70-L3048 X D74-7824	
2. KS4694	SHERMAN X TOANO	
3. K1401	DELSOY4710 X K1191	F5
4. K1423	MANOKIN X LS86-1922	F5
5. TN93-87	TN85-55 X TN82-268	
6. TN95-268	CORDELL X HUTCHESON	
7. TN96-63	N85-578 X MANOKIN	
8. V94-0198	DP 415 X Manoki n	
9. V94-0436	DP 415 X C1747	
10. V94-0552	Hutcheson X Manoki n	
11. V96-0332	Hutcheson X Cl i fford	
12. V96-2543	V85-5344 X C1747	
13. Md 94-5332	Cl i fford X Corsi ca	F5
14. Md 94-5396	Ri pley X Cl i fford	F5
15. Md 96-5696	Ky 88-4080 X Corsi ca	F5
16. Md 96-5275	Ky 88-4080 X Manoki n	F5

**TABLE 2 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP IV-S, 2000**

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	2000	99-00	98-00	2000	99-00	98-00	2000	99-00	98-00
MANOKIN	46.4	43.3	42.2	41.0	40.9	41.0	20.1	19.7	19.9
KS4694	46.5	42.8	41.7	42.0	41.9	41.7	20.1	19.8	20.2
K1401	48.8	45.2	.	43.1	43.1	.	19.7	19.6	.
K1423	44.4	42.8	.	40.6	41.0	.	19.3	18.8	.
TN93-87	45.9	.	41.8	39.3	.	39.8	20.2	.	20.4
TN95-268	44.0	.	.	43.4	.	.	19.5	.	.
TN96-63	47.0	.	.	40.7	.	.	20.5	.	.
V94-0198	47.6	44.6	.	43.0	42.7	.	19.8	19.6	.
V94-0436	45.2	42.4	.	42.6	42.6	.	19.4	19.2	.
V94-0552	46.7	44.2	.	42.1	41.9	.	20.4	20.2	.
V96-0332	49.1	.	.	41.5	.	.	19.9	.	.
V96-2543	43.0	.	.	42.0	.	.	19.8	.	.
Md 94-5332	47.2	.	.	42.0	.	.	20.3	.	.
Md 94-5396	46.9	.	.	41.1	.	.	19.9	.	.
Md 96-5696	47.3	.	.	43.7	.	.	19.7	.	.
Md 96-5275	47.1	.	.	41.1	.	.	20.3	.	.

†Data not included in mean: (2000) - Cooper, TX
(1999) - Springfield, TN; Princeton, KY
(1998) - Pine Tree, AR; Chanute, KS; Walnut, KS

TABLE 2 - Continued

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
MANOKIN	W	10/02	3	31	2	12.0	T	T
KS4694	W	8-	2	33	2	14.8	G	BR
K1401	P	8-	2	35	2	15.1	T	T
K1423	W	1-	2	31	2	12.1	T	T
TN93-87	P	0	3	33	2	11.7	G	T
TN95-268	W	1-	2	29	2	13.3	G	T
TN96-63	W	2+	3	31	2	11.4	G	T
V94-0198	P	3-	3	33	2	13.3	T	T
V94-0436	W	0	2	29	2	15.3	G	T
V94-0552	W	1+	2	32	2	12.2	G	T
V96-0332	W	0	2	32	2	14.8	G	BR
V96-2543	W	3-	2	29	2	11.9	G	T
Md 94-5332	P	1-	2	29	2	16.1	T	T
Md 94-5396	P	2+	2	31	2	12.4	G	T
Md 96-5696	W	3-	2	36	2	13.4	G	T
Md 96-5275	W	1-	2	29	2	11.6	G	T

TABLE 2 - Continued

STRAIN/ VARIETY	PEST REACTIONS						
	SCN 2	SCN 3	SCN 14	M. A. GA	M. I. GA	SDS DX	SMV
MANOKIN	4.9	1.1	5.0	2.3	1.0	8	S
KS4694	5.0	4.9	4.7	3.0	4.3	9	S
K1401	4.0	1.1	2.8	2.8	5.0	19	S
K1423	4.5	1.0	1.1	2.0	1.0	24	S
TN93-87	5.0	4.6	4.9	5.0	4.5	34	S
TN95-268	4.7	1.0	4.9	4.0	4.3	10	R
TN96-63	5.0	2.1	5.0	3.3	4.5	8	S
V94-0198	5.0	1.1	4.9	4.5	1.5	27	R
V94-0436	4.9	4.0	4.9	3.8	4.5	25	R
V94-0552	5.0	1.0	5.0	4.3	3.5	6	S
V96-0332	5.0	5.0	5.0	4.5	4.0	27	R
V96-2543	5.0	5.0	5.0	4.0	5.0	36	S
Md 94-5332	5.0	5.0	5.0	4.0	4.3	24	R
Md 94-5396	5.0	4.9	5.0	3.0	2.8	32	R
Md 96-5696	5.0	4.8	5.0	3.0	3.3	37	R
Md 96-5275	4.4	1.0	5.0	2.8	3.5	2	S

**TABLE 3 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN
IN UNIFORM GROUP IV-S, 2000**

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	ORANGE VA	QUEENSTOWN MD	WARSAW VA		
MANOKIN	54.6	48.4	52.2	57.9	53.3	
KS4694	48.1	61.0	58.0	59.7	56.7	
K1401	47.6	57.1	59.4	56.7	55.2	
K1423	51.6	43.4	55.7	54.1	51.2	
TN93-87	45.4	49.6	55.0	60.2	52.5	
TN95-268	39.6	46.5	59.6	51.3	49.2	
TN96-63	47.5	46.6	58.8	67.3	55.1	
V94-0198	51.2	46.5	52.4	57.9	52.0	
V94-0436	56.8	52.8	55.3	52.1	54.3	
V94-0552	39.1	53.9	50.9	58.1	50.5	
V96-0332	48.7	46.7	51.1	61.7	52.1	
V96-2543	40.1	51.5	48.5	55.3	48.9	
Md 94-5332	43.4	61.0	52.4	61.3	54.5	
Md 94-5396	36.8	54.8	55.4	56.6	50.9	
Md 96-5696	42.1	62.2	55.8	62.2	55.6	
Md 96-5275	53.3	50.2	51.8	56.7	53.0	
L. S. D. (0.05)	5.1	6.1	5.7	4.1	.	
C. V. (%)	6.6	7.1	6.3	4.2	.	

TABLE 3 - Continued

SOUTH

STRAIN/ VARIETY	KNOXVILLE TN	PRINCETON KY	SPRINGFIELD TN	STARKVILLE MS	ULLIN IL	MEAN
MANOKIN	56.9	53.5	49.1	44.6	56.8	52.2
KS4694	56.9	44.8	42.5	32.6	62.4	47.8
K1401	59.5	59.7	39.3	40.7	55.4	50.9
K1423	52.9	49.3	41.6	37.2	61.3	48.4
TN93-87	50.8	56.0	42.8	43.3	51.3	48.8
TN95-268	50.7	51.2	40.7	32.2	55.4	46.0
TN96-63	51.2	51.1	46.4	43.1	50.6	48.5
V94-0198	50.9	59.0	44.0	47.9	63.7	53.1
V94-0436	55.4	48.7	45.4	38.6	65.1	50.6
V94-0552	51.2	61.9	54.2	40.0	50.5	51.5
V96-0332	51.6	64.2	52.1	39.9	65.5	54.6
V96-2543	53.3	46.4	47.3	32.5	57.1	47.3
Md 94-5332	57.1	51.4	49.9	34.6	69.5	52.5
Md 94-5396	56.2	50.5	49.9	33.1	62.7	50.5
Md 96-5696	54.6	47.1	48.4	37.9	57.3	49.0
Md 96-5275	56.8	55.3	46.5	45.4	53.8	51.6
L. S. D. (0.05)	6.7	13.6	7.9	7.1	8.0	.
C. V. (%)	7.4	15.4	10.2	11.0	8.1	.

TABLE 3 - Continued

STRAIN/ VARIETY	DELTA					MEAN
	KEISER AR	MARIANNA AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	
MANOKIN	54.2	42.5	46.1	41.5	50.9	47.0
KS4694	56.0	42.8	47.3	44.5	57.6	49.6
K1401	60.9	61.4	47.4	43.1	51.9	53.0
K1423	57.1	45.8	43.3	36.7	48.7	46.3
TN93-87	56.2	48.5	42.8	47.9	52.4	49.5
TN95-268	56.8	41.0	40.3	48.4	52.1	47.7
TN96-63	59.3	54.2	48.9	43.5	48.5	50.9
V94-0198	59.5	49.7	42.3	47.6	51.9	50.2
V94-0436	49.8	49.3	43.6	42.2	45.2	46.0
V94-0552	51.7	48.8	51.4	43.8	55.0	50.1
V96-0332	58.0	53.4	46.6	49.4	60.8	53.6
V96-2543	59.0	54.3	34.9	38.2	47.2	46.7
Md 94-5332	62.4	39.1	40.0	49.9	55.5	49.4
Md 94-5396	63.1	51.4	48.2	54.7	50.8	53.6
Md 96-5696	55.9	51.5	56.5	49.2	51.2	52.9
Md 96-5275	58.8	51.5	51.9	42.6	45.5	50.1
L. S. D. (0.05)	4.6	5.1	5.6	7.3	8.4	.
C. V. (%)	4.6	6.0	7.4	9.6	9.6	.

TABLE 3 - Continued

STRAIN/ VARIETY	WEST			MEAN
	COOPERT TX	MCCUNE KS	PITTSBURG KS	
MANOKIN	11.1	15.7	18.1	16.9
KS4694	23.5	11.9	18.4	15.2
K1401	20.7	17.7	22.9	20.3
K1423	10.2	14.6	16.7	15.7
TN93-87	17.9	15.1	16.6	15.9
TN95-268	17.7	17.4	20.8	19.1
TN96-63	22.1	15.0	20.6	17.8
V94-0198	12.3	15.2	21.1	18.2
V94-0436	18.1	11.5	12.1	11.8
V94-0552	17.3	15.4	21.7	18.6
V96-0332	17.7	16.0	19.6	17.8
V96-2543	11.4	7.9	14.0	11.0
Md 94-5332	25.3	15.5	11.9	13.7
Md 94-5396	16.3	12.1	13.4	12.8
Md 96-5696	13.6	11.8	13.6	12.7
Md 96-5275	10.4	14.7	19.1	16.9
L. S. D. (0.05)	.	1.4	2.9	.
C. V. (%)	.	7.1	12.7	.

†Data not included in mean.

TABLE 4 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2000

OIL PERCENTAGES

STRAIN/ VARIETY	COOPER† TX	KNOXVILLE TN	MCCUNE KS	ORANGE VA	PITTSBURG KS	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	PRINCETON KY	QUEENSTOWN MD	SPRINGFIELD TN	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	19.2	21.0	.	20.6	19.3	19.9	.	20.9	19.0	20.3	19.8	20.2	19.5	20.1
KS4694	20.2	21.5	.	19.9	17.7	20.1	.	19.8	19.3	20.7	22.2	20.4	19.7	20.1
K1401	18.8	20.4	.	20.1	17.8	19.9	.	20.1	19.0	20.4	20.2	19.9	19.1	19.7
K1423	19.9	20.0	.	19.6	18.0	19.3	.	19.5	18.3	19.9	19.3	19.9	18.7	19.3
TN93-87	19.1	21.0	.	20.2	18.3	20.2	.	20.6	19.0	20.8	22.1	20.0	19.6	20.2
TN95-268	19.9	20.4	.	19.2	20.4	19.1	.	19.9	18.3	20.2	19.7	19.0	18.9	19.5
TN96-63	20.2	20.8	.	20.4	19.5	20.2	.	22.5	19.2	21.2	21.1	21.0	19.5	20.5
V94-0198	17.9	20.7	.	19.7	18.4	19.1	.	20.9	18.5	21.0	20.1	19.9	19.7	19.8
V94-0436	19.4	20.1	.	19.3	19.0	19.0	.	19.3	18.2	20.2	20.5	19.7	19.0	19.4
V94-0552	20.9	21.8	.	20.5	20.7	20.8	.	20.7	18.8	20.6	20.1	20.3	19.7	20.4
V96-0332	19.8	21.0	.	20.0	19.6	19.9	.	20.0	18.8	20.1	20.2	19.7	19.3	19.9
V96-2543	19.0	20.8	.	20.9	19.2	19.0	.	20.2	18.1	20.6	20.7	19.6	18.9	19.8
Md 94-5332	20.9	21.6	.	20.6	19.2	20.3	.	19.9	19.7	20.8	20.6	20.7	19.8	20.3
Md 94-5396	18.1	20.9	.	19.6	18.3	20.4	.	20.8	18.2	20.2	20.8	20.4	19.5	19.9
Md 96-5696	18.6	20.6	.	20.0	19.1	19.9	.	19.5	18.9	20.7	19.1	19.6	19.3	19.7
Md 96-5275	22.0	21.3	.	19.9	21.0	19.7	.	21.1	19.2	20.1	21.0	20.2	19.8	20.3

†Data not included in mean.

TABLE 4 - Continued

PROTEIN PERCENTAGES

STRAIN/ VARIETY	COOPER†	KNOXVILLE	MCCUNE	ORANGE	PITTSBURG	PORTAGEVILLE	PORTAGEVILLE	PRINCETON	QUEENSTOWN	SPRINGFIELD	STONEVILLE	ULLIN	WARSAW	MEAN
	TX	TN	KS	VA	KS	MO(A)	MO(B)	KY	MD	TN	MS	IL	VA	
MANOKIN	40.5	40.2	.	36.6	44.2	42.3	.	40.5	41.8	39.7	43.1	39.9	41.6	41.0
KS4694	39.4	41.4	.	41.8	40.4	41.1	.	44.8	43.3	41.5	40.5	41.6	43.7	42.0
K1401	42.2	42.9	.	42.2	40.9	43.9	.	43.3	44.0	42.4	43.7	43.2	44.8	43.1
K1423	39.5	40.4	.	36.3	42.3	39.3	.	40.3	41.6	40.8	44.0	39.2	41.5	40.6
TN93-87	40.4	39.1	.	36.5	42.8	39.3	.	38.6	40.0	39.0	37.8	39.5	40.5	39.3
TN95-268	41.1	44.0	.	42.2	41.1	45.1	.	42.4	45.3	41.7	43.9	43.9	44.1	43.4
TN96-63	39.4	40.8	.	38.1	44.2	40.6	.	37.2	42.0	37.5	41.9	40.9	43.3	40.7
V94-0198	42.3	42.6	.	40.8	48.0	43.6	.	42.9	43.6	39.0	44.1	42.6	43.0	43.0
V94-0436	40.9	43.4	.	42.3	44.6	42.7	.	40.3	43.9	40.6	42.4	41.2	44.5	42.6
V94-0552	38.6	40.8	.	38.4	43.6	41.5	.	41.6	43.7	40.9	44.5	43.1	42.9	42.1
V96-0332	40.0	40.9	.	39.2	41.8	41.7	.	40.4	42.7	40.8	41.9	42.7	42.7	41.5
V96-2543	41.3	41.5	.	37.7	41.7	42.7	.	41.0	44.5	40.6	42.4	43.1	44.5	42.0
Md 94-5332	39.5	41.5	.	39.6	42.6	43.2	.	40.8	42.5	40.1	43.8	42.6	43.4	42.0
Md 94-5396	39.1	41.4	.	39.4	42.7	40.2	.	38.5	44.1	39.9	41.1	41.6	42.1	41.1
Md 96-5696	40.6	44.4	.	42.4	44.4	44.6	.	43.5	45.0	38.4	45.7	44.4	44.2	43.7
Md 96-5275	40.6	41.2	.	39.4	40.4	39.7	.	40.3	42.8	41.2	43.1	41.1	41.7	41.1

†Data not included in mean.

TABLE 4 - Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	COOPER† TX	KNOXVILLE TN	MCCUNE KS	ORANGE VA	PITTSBURG KS	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	PRINCETON KY	QUEENSTOWN MD	SPRINGFIELD TN	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	9.3	12.6	10.0	14.6	9.9	10.1	11.5	13.0	13.7	12.1	11.0	12.4	13.1	12.0
KS4694	10.1	16.2	10.2	20.4	10.1	12.6	14.0	15.5	18.7	14.0	15.1	13.7	17.0	14.8
K1401	9.4	15.8	10.6	20.1	11.4	12.5	14.4	16.5	18.1	16.3	14.7	14.2	16.9	15.1
K1423	9.1	12.2	9.8	14.5	8.8	10.3	12.5	12.0	14.6	12.2	12.5	11.9	13.5	12.1
TN93-87	8.7	12.3	9.2	13.5	9.7	9.7	11.4	13.0	13.1	11.9	11.8	11.6	13.0	11.7
TN95-268	10.2	15.3	10.4	15.2	10.7	13.1	12.6	15.5	14.6	12.6	13.6	12.4	13.5	13.3
TN96-63	7.9	11.6	8.1	12.5	9.2	8.8	10.4	18.0	12.1	10.2	11.8	11.3	12.2	11.4
V94-0198	8.5	14.8	9.9	16.2	9.8	10.4	12.8	13.5	16.4	13.7	12.7	14.3	15.0	13.3
V94-0436	9.2	17.2	10.7	20.1	12.9	13.1	14.4	16.5	17.0	13.5	14.3	15.8	17.8	15.3
V94-0552	8.3	13.4	9.2	14.8	9.6	10.6	11.2	14.0	13.8	12.5	12.5	12.0	12.8	12.2
V96-0332	11.8	16.2	10.1	16.5	12.6	13.2	15.7	16.0	16.2	14.3	16.0	15.3	15.4	14.8
V96-2543	8.2	12.9	8.8	14.3	8.8	9.3	10.5	15.5	12.7	13.0	11.3	12.3	13.8	11.9
Md 94-5332	12.5	17.4	10.9	21.3	13.8	14.6	18.0	11.0	19.1	13.5	17.3	17.3	18.5	16.1
Md 94-5396	8.0	14.3	9.6	15.0	9.5	11.1	11.0	12.0	14.4	13.1	11.3	13.5	13.7	12.4
Md 96-5696	8.2	15.5	9.5	16.3	12.3	13.7	13.5	14.0	14.7	11.8	12.1	13.8	14.1	13.4
Md 96-5275	8.9	13.8	8.8	13.8	8.4	10.5	11.4	11.0	13.6	12.9	11.0	11.4	12.8	11.6

†Data not included in mean.

TABLE 5 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN MANOKIN FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2000

STRAIN/ VARIETY	EAST				
	GEORGETOWN DE	ORANGE VA	QUEENSTOWN MD	WARSAW VA	MEAN
MANOKIN	.	10/17	10/17	10/09	10/14
KS4694	.	-5	-2	-4	-3
K1401	.	-6	-3	-5	-4
K1423	.	0	0	2	1
TN93-87	.	1	2	4	3
TN95-268	.	-2	3	0	1
TN96-63	.	-1	3	4	2
V94-0198	.	-1	0	-1	0
V94-0436	.	-1	3	5	3
V94-0552	.	1	2	2	2
V96-0332	.	0	2	0	1
V96-2543	.	0	1	2	1
Md 94-5332	.	-1	0	0	0
Md 94-5396	.	0	2	3	2
Md 96-5696	.	-6	-1	-1	-2
Md 96-5275	.	-1	1	1	1

TABLE 5 - Continued

SOUTH

STRAIN/ VARIETY	KNOXVILLE TN	PRINCETON KY	SPRINGFIELD TN	STARKVILLE MS	ULLIN IL	MEAN
MANOKIN	09/20	10/06	10/03	.	10/08	10/02
KS4694	-10	-16	-4	.	-8	-10
K1401	-11	-8	-5	.	-14	-10
K1423	-2	-1	0	.	1	-1
TN93-87	-1	-1	-2	.	0	-1
TN95-268	-1	-3	-2	.	-2	-2
TN96-63	3	-2	0	.	3	1
V94-0198	-4	-1	-2	.	-2	-2
V94-0436	-3	-2	4	.	1	0
V94-0552	1	0	0	.	0	0
V96-0332	-3	-2	2	.	1	-1
V96-2543	-5	-4	0	.	-5	-4
Md 94-5332	-3	-2	0	.	1	-1
Md 94-5396	1	-2	3	.	2	1
Md 96-5696	-7	-7	0	.	-5	-5
Md 96-5275	1	-2	-2	.	1	-1

TABLE 5 - Continued

STRAIN/ VARIETY	DELTA					
	KEISER AR	MARIANNA AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	MEAN
MANOKIN	.	10/01	09/24	10/01	09/19	09/26
KS4694	.	-7	-9	-13	-8	-9
K1401	.	-7	-9	-15	-2	-8
K1423	.	-3	-1	-7	0	-2
TN93-87	.	-2	-1	-1	0	-1
TN95-268	.	3	-2	-6	0	-1
TN96-63	.	3	2	-2	2	2
V94-0198	.	-7	-5	-9	0	-5
V94-0436	.	-5	0	-1	0	-1
V94-0552	.	2	1	-3	0	0
V96-0332	.	1	-3	-3	0	-1
V96-2543	.	-4	-6	-6	-1	-4
Md 94-5332	.	3	-3	-6	2	-1
Md 94-5396	.	2	4	1	2	2
Md 96-5696	.	1	-3	-10	-1	-3
Md 96-5275	.	-3	-1	-1	-3	-2

TABLE 5 - Continued

STRAIN/ VARIETY	WEST				MEAN
	COOPER† TX	MCCUNE KS	PITTSBURG KS		
MANOKIN	08/28	.	.	.	.
KS4694	0	.	.	.	.
K1401	-6	.	.	.	.
K1423	1	.	.	.	.
TN93-87	-8	.	.	.	.
TN95-268	0	.	.	.	.
TN96-63	2	.	.	.	.
V94-0198	-3	.	.	.	.
V94-0436	2	.	.	.	.
V94-0552	2	.	.	.	.
V96-0332	0	.	.	.	.
V96-2543	2	.	.	.	.
Md 94-5332	2	.	.	.	.
Md 94-5396	-1	.	.	.	.
Md 96-5696	-4	.	.	.	.
Md 96-5275	-9	.	.	.	.

†Data not included in mean.

TABLE 6 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2000

EAST

STRAIN/ VARIETY	GEORGETOWN	ORANGE	QUEENSTOWN	WARSAW	MEAN
	DE	VA	MD	VA	
MANOKIN	34	38	35	35	35
KS4694	40	39	40	37	39
K1401	38	39	41	37	39
K1423	34	39	39	35	37
TN93-87	38	42	38	35	38
TN95-268	32	35	31	33	33
TN96-63	33	41	34	35	36
V94-0198	36	40	37	38	38
V94-0436	37	34	34	33	34
V94-0552	40	38	35	33	37
V96-0332	41	38	39	35	38
V96-2543	35	34	34	32	34
Md 94-5332	33	37	35	35	35
Md 94-5396	39	37	37	35	37
Md 96-5696	39	34	37	37	37
Md 96-5275	34	32	34	32	33

TABLE 6 - Continued

SOUTH

STRAIN/ VARIETY	KNOXVILLE	PRINCETON	SPRINGFIELD	STARKVILLE	ULLIN	MEAN
	TN	KY	TN	MS	IL	
MANOKIN	29	36	32	31	37	33
KS4694	31	37	28	31	38	33
K1401	32	43	25	33	43	35
K1423	31	38	28	26	38	32
TN93-87	31	39	30	28	43	34
TN95-268	31	38	29	31	37	33
TN96-63	26	38	29	28	37	32
V94-0198	31	42	28	33	45	36
V94-0436	29	34	25	24	37	30
V94-0552	30	40	33	31	42	35
V96-0332	32	39	32	29	40	34
V96-2543	27	35	30	21	37	30
Md 94-5332	29	36	29	23	37	31
Md 94-5396	31	39	31	24	38	33
Md 96-5696	35	39	34	39	40	37
Md 96-5275	28	38	29	25	33	31

TABLE 6 - Continued

DELTA

STRAIN/ VARIETY	MARIANNA AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	MEAN
MANOKIN	29	29	21	19	24
KS4694	32	35	22	28	29
K1401	39	34	24	30	32
K1423	26	26	20	26	25
TN93-87	30	28	23	24	27
TN95-268	23	20	18	24	21
TN96-63	28	28	19	22	24
V94-0198	29	26	22	23	25
V94-0436	24	30	21	22	24
V94-0552	29	29	22	20	25
V96-0332	27	28	22	19	24
V96-2543	26	25	18	17	21
Md 94-5332	23	23	19	21	22
Md 94-5396	27	27	20	17	23
Md 96-5696	39	39	30	38	36
Md 96-5275	28	27	18	15	22

TABLE 6 - Continued

STRAIN/ VARIETY	WEST			MEAN
	COOPERT TX	MCCUNE KS	PITTSBURG KS	
MANOKIN	19	33	35	34
KS4694	20	27	37	32
K1401	28	27	34	31
K1423	20	27	34	31
TN93-87	27	34	36	35
TN95-268	23	27	32	30
TN96-63	17	33	35	34
V94-0198	21	33	37	35
V94-0436	19	26	30	28
V94-0552	22	27	34	31
V96-0332	21	31	35	33
V96-2543	21	28	31	30
Md 94-5332	18	26	29	28
Md 94-5396	17	28	34	31
Md 96-5696	33	27	36	32
Md 96-5275	19	27	32	30

**TABLE 7 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM
GROUP IV-S, 2000**

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	ORANGE VA	QUEENSTOWN MD	WARSAW VA		
MANOKIN	3	4	4	3	4	
KS4694	2	2	3	3	2	
K1401	1	2	3	3	2	
K1423	3	4	4	3	4	
TN93-87	3	4	4	4	4	
TN95-268	2	3	2	3	3	
TN96-63	4	4	4	3	4	
V94-0198	5	4	4	4	4	
V94-0436	4	3	3	3	3	
V94-0552	3	3	3	3	3	
V96-0332	3	3	4	3	3	
V96-2543	3	3	3	3	3	
Md 94-5332	1	2	2	3	2	
Md 94-5396	3	2	3	3	3	
Md 96-5696	3	1	3	3	3	
Md 96-5275	3	2	3	3	3	

TABLE 7 - Continued

SOUTH

STRAIN/ VARIETY	KNOXVILLE	PRINCETON	SPRINGFIELD	STARKVILLE	ULLIN	MEAN
	TN	KY	TN	MS	IL	
MANOKIN	4	3	3	2	4	3
KS4694	2	1	2	1	2	2
K1401	2	1	1	1	2	1
K1423	3	2	2	1	4	2
TN93-87	4	4	2	1	4	3
TN95-268	2	1	1	2	2	2
TN96-63	3	3	3	1	5	3
V94-0198	3	3	3	1	5	3
V94-0436	2	1	1	1	3	2
V94-0552	3	3	2	1	3	3
V96-0332	2	2	3	1	3	2
V96-2543	2	1	2	1	3	2
Md 94-5332	2	1	3	1	2	2
Md 94-5396	2	1	2	1	2	2
Md 96-5696	3	1	2	2	2	2
Md 96-5275	2	1	2	1	2	2

TABLE 7 - Continued

STRAIN/ VARIETY	DELTA					MEAN
	MARI ANNA AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS		
MANOKIN	2	1	2	2	2	2
KS4694	1	1	1	2	2	1
K1401	2	1	1	2	2	2
K1423	1	1	2	2	2	2
TN93-87	2	2	2	2	2	2
TN95-268	1	1	1	2	2	1
TN96-63	1	1	1	2	2	1
V94-0198	1	1	2	2	2	2
V94-0436	1	1	1	2	2	1
V94-0552	1	1	1	2	2	1
V96-0332	1	1	1	2	2	1
V96-2543	2	1	1	2	2	1
Md 94-5332	1	1	1	2	2	1
Md 94-5396	1	1	1	2	2	1
Md 96-5696	2	1	2	3	3	2
Md 96-5275	1	1	1	2	2	1

TABLE 7 - Continued

STRAIN/ VARIETY	WEST			MEAN
	COOPERT† TX	MCCUNE KS	PITTSBURG KS	
MANOKIN	1	2	2	2
KS4694	1	1	2	2
K1401	1	1	2	2
K1423	1	1	2	2
TN93-87	1	2	2	2
TN95-268	1	1	1	1
TN96-63	1	2	2	2
V94-0198	1	1	2	2
V94-0436	1	1	1	1
V94-0552	1	1	2	2
V96-0332	1	1	1	1
V96-2543	1	1	1	1
Md 94-5332	1	1	1	1
Md 94-5396	1	1	1	1
Md 96-5696	1	1	1	1
Md 96-5275	1	1	2	2

†Data not included in mean.

TABLE 8 - SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP IV-S, 2000

EAST

STRAIN/ VARIETY	ORANGE	QUEENSTOWN	WARSAW	MEAN
	VA	MD	VA	
MANOKIN	2	1	1	1
KS4694	2	1	2	2
K1401	2	1	2	2
K1423	2	1	2	2
TN93-87	1	1	1	1
TN95-268	1	1	1	1
TN96-63	1	1	2	1
V94-0198	2	1	2	2
V94-0436	2	3	2	2
V94-0552	2	1	2	2
V96-0332	2	1	2	2
V96-2543	2	1	2	2
Md 94-5332	1	1	2	1
Md 94-5396	1	1	1	1
Md 96-5696	2	1	2	2
Md 96-5275	2	1	2	2

TABLE 8 - Continued

SOUTH

STRAIN/ VARIETY	KNOXVILLE	PRINCETON	SPRINGFIELD	ULLIN	MEAN
	TN	KY	TN	IL	
MANOKIN	2	2	2	2	2
KS4694	1	3	1	2	2
K1401	1	3	2	2	2
K1423	2	3	2	3	2
TN93-87	2	2	1	2	2
TN95-268	2	3	2	2	2
TN96-63	2	2	1	2	2
V94-0198	2	2	2	2	2
V94-0436	2	2	2	4	2
V94-0552	2	2	1	2	2
V96-0332	2	2	2	2	2
V96-2543	2	3	2	3	3
Md 94-5332	1	2	1	3	2
Md 94-5396	1	2	1	2	1
Md 96-5696	1	2	2	2	2
Md 96-5275	1	1	2	1	1

TABLE 8 - Continued

DELTA

STRAIN/ VARIETY	PORTAGEVILLE	STONEVILLE	MEAN
	MO(A)	MS	
MANOKIN	1	2	2
KS4694	2	2	2
K1401	2	2	2
K1423	2	2	2
TN93-87	2	2	2
TN95-268	2	2	2
TN96-63	2	2	2
V94-0198	1	2	2
V94-0436	2	2	2
V94-0552	2	2	2
V96-0332	2	2	2
V96-2543	2	2	2
Md 94-5332	2	2	2
Md 94-5396	2	2	2
Md 96-5696	2	2	2
Md 96-5275	2	2	2

TABLE 8 - Continued

STRAIN/ VARIETY	WEST		MEAN
	MCCUNE KS	PITTSBURG KS	
MANOKIN	3	4	4
KS4694	3	4	4
K1401	2	3	3
K1423	3	2	3
TN93-87	3	2	3
TN95-268	3	3	3
TN96-63	2	2	2
V94-0198	3	3	3
V94-0436	2	3	3
V94-0552	3	5	4
V96-0332	2	2	2
V96-2543	2	2	2
Md 94-5332	3	5	4
Md 94-5396	3	2	3
Md 96-5696	3	4	4
Md 96-5275	2	2	2

PRELIMINARY GROUP IV-S

2000

Preliminary Group IV-S nurseries were planted at 8 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 9. Table 10 gives a general summary of information for each strain including seed yield, oil and protein percentages, maturity index, and pest reactions. Results from individual locations are summarized in Tables 11 - 17.

TABLE 9 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. MANOKIN	L70-L3048 X D74-7824	
2. KS4694	SHERMAN X TOANO	
3. K1498	HARTWIG X P9391	F5
4. K1499	P9451 X DEL4710	F5
5. K1500	S91-5371-19 X P9392	F5
6. K1501	N90-516 X S91-5371-19	F5
7. K1502	P9451 X S91-5371-19	F5
8. LS97-1408	P9521 X A4715	
9. LS97-1610	S90-1435 X Manokin	
10. LS97-2611	LS88-1517 X Hutcheson	
11. LS97-3004	Pharaoh X K1191	
12. LS97-3915	Del soy4710 X A4715	
13. Md 97-5010	KS 4694 X Tn 90-3	F5
14. Md 97-5899	Tn 90-3 X Stressland	F5
15. Md 97-5905	Tn 90-3 X Stressland	F5
16. Md 97-6491	Holiday X Stressland	F5
17. R97-1809F	PI509098 X RIPLEY	
18. S97-1753	H5545 X S91-1381	
19. S97-1759	H5545 X S91-1381	
20. TN96-11	HUTCHESON X KUNITZ	
21. TN97-45	TN91-264 X TN90-09	
22. TN97-76	TN4-94 X TN91-55	
23. TN98-149	N87-325 X S88-1855	
24. TN98-95	TN4-94 X TN91-55	
25. V96-1812	KS5292 X Md87-5602	
26. V97-8033	Male Sterile Intercross Popn.	
27. V97-8036	Male Sterile Intercross Popn.	
28. V97-8057	Male Sterile Intercross Popn.	
29. V97-8194	Male Sterile Intercross Popn.	

TABLE 10 - GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP IV-S, 2000 - MEAN OF 8 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14
							PROTEIN	OIL			
MANOKIN	49.1	10/03	3	32	2	10.2	41.7	19.7	3.9	1.6	4.9
KS4694	51.2	8-	2	37	2	14.4	42.3	20.0	5.0	4.1	4.8
K1498	45.6	0	2	33	2	11.2	40.7	19.7	1.0	1.5	2.2
K1499	45.8	4-	4	39	3	11.7	41.2	18.8-	4.8	1.0	2.0
K1500	47.0	8-	4	42	3	15.6	43.2	19.9	4.7	4.5	4.7
K1501	46.3	4-	3	42	3	13.5	43.6+	19.0-	4.6	3.1	4.2
K1502	47.0	3-	3	45	2	11.9	41.9	19.8	1.4	1.0	3.0
LS97-1408	48.4	8-	2	39	2	14.5	43.4+	19.9	4.2	1.3	4.3
LS97-1610	50.2	0	3	32	2	11.2	43.2	19.6	5.0	1.3	4.0
LS97-2611	45.7	4-	3	43	2	11.9	43.2	19.5	5.0	1.8	3.9
LS97-3004	50.5	7-	2	38	2	13.3	42.6	20.3+	5.0	1.7	4.3
LS97-3915	48.6	3-	2	39	2	11.3	42.0	19.4	4.8	1.0	2.7
Md 97-5010	49.8	6-	2	40	2	11.0	42.0	19.8	5.0	1.1	2.5
Md 97-5899	44.9	9-	2	42	3	11.2	42.4	20.4+	5.0	1.0	2.7
Md 97-5905	53.3	9-	3	40	3	12.6	41.5	21.2+	4.8	4.7	3.5
Md 97-6491	51.1	9-	2	37	2	15.0	44.5+	18.8-	5.0	4.3	4.7
R97-1809F	43.5-	3+	3	35	2	10.4	43.5+	18.9-	4.4	4.1	4.3
S97-1753	50.3	3+	3	37	2	14.1	43.3	19.1	3.2	1.4	3.1
S97-1759	49.7	3+	3	36	2	11.8	43.2	19.0-	2.1	1.0	3.3
TN96-11	47.0	1+	3	41	2	14.3	44.4+	19.1	5.0	4.9	4.7
TN97-45	42.2-	1-	2	44	2	11.8	44.7+	20.1	5.0	1.1	3.6
TN97-76	45.7	2-	3	41	2	12.8	43.3	19.9	4.9	1.1	3.9
TN98-149	49.1	2+	2	31	2	11.8	43.2	19.4	4.9	4.3	4.7
TN98-95	45.8	2-	3	40	2	12.6	42.7	19.9	5.0	1.3	3.4
V96-1812	47.6	1-	2	32	2	9.4	43.8+	19.4	4.9	1.2	3.7
V97-8033	47.3	6-	3	39	3	15.1	40.8	20.0	5.0	4.3	4.6
V97-8036	43.3-	8-	3	38	3	14.7	44.8+	18.8-	5.0	4.4	4.5
V97-8057	45.2	10-	3	38	3	14.8	41.3	20.1	5.0	4.5	4.3
V97-8194	45.6	11-	2	40	3	12.4	41.9	20.8+	5.0	4.7	4.8
OVERALL MEAN	47.5						42.8	19.7			
L. S. D. (.05)	5.0						1.6	0.6			
C. V.	11%						3%	3%			

TABLE 11 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/ VARIETY	KEISER AR	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	58.7	9.3	42.2	67.9	54.9	48.6	53.5	57.8	49.1
KS4694	53.9	17.8+	44.5	61.4	55.6	53.6	60.8	61.7	51.2
K1498	49.7-	13.6+	44.0	58.3	46.4-	43.1	53.7	56.2	45.6
K1499	54.0	11.9	42.7	58.6	59.7	49.9	35.1-	54.6	45.8
K1500	50.9-	8.1	41.2	56.4	57.4	50.7	52.9	58.4	47.0
K1501	56.5	9.7	41.5	58.4	52.3	51.2	51.8	48.6-	46.3
K1502	49.1-	15.5+	51.4+	55.0	50.9	46.8	53.1	54.1	47.0
LS97-1408	51.0-	21.4+	48.4+	57.5	51.1	52.1	48.0	57.4	48.4
LS97-1610	51.1-	20.1+	45.7	62.6	57.4	54.3	53.0	57.8	50.2
LS97-2611	41.5-	16.6+	49.2+	53.3-	53.6	46.9	49.8	54.4	45.7
LS97-3004	46.1-	16.0+	43.7	57.9	60.1	59.6+	62.1	58.2	50.5
LS97-3915	48.6-	10.3	47.2+	61.4	51.8	49.7	60.2	59.4	48.6
Md 97-5010	54.4	17.4+	53.8+	54.4	44.9-	60.8+	52.4	60.1	49.8
Md 97-5899	47.6-	17.6+	52.1+	44.0-	51.8	48.4	35.7-	61.8	44.9
Md 97-5905	56.2	13.3+	52.4+	61.8	58.6	60.1+	60.3	64.2+	53.3
Md 97-6491	53.1	10.9	44.2	56.7	59.6	55.4	63.5+	65.9+	51.1
R97-1809F	52.2	12.9+	36.8-	60.1	47.2-	46.2	39.5-	52.7-	43.5-
S97-1753	57.3	19.6+	51.9+	62.6	54.5	52.8	51.0	52.6-	50.3
S97-1759	57.6	16.3+	52.9+	63.7	49.4	54.6	43.7-	59.3	49.7
TN96-11	55.0	9.4	50.4+	52.1-	55.7	41.4	56.7	55.9	47.0
TN97-45	44.8-	18.0+	45.4	46.8-	42.8-	36.0-	48.0	56.1	42.2-
TN97-76	45.2-	14.1+	52.9+	56.7	46.5-	44.2	55.1	51.0-	45.7
TN98-149	57.6	12.8+	43.2	64.1	47.7	55.3	54.6	57.5	49.1
TN98-95	44.0-	17.0+	49.4+	57.8	46.5-	43.1	56.8	51.9-	45.8
V96-1812	52.8	19.7+	39.5	56.5	53.7	46.4	51.9	60.0	47.6
V97-8033	53.8	6.5	40.3	55.0	59.7	46.1	51.6	65.0+	47.3
V97-8036	54.7	8.5	37.8	36.2-	56.5	45.9	50.9	56.0	43.3-
V97-8057	49.6-	14.3+	36.8-	56.5	58.1	47.2	43.8-	55.7	45.2
V97-8194	49.8-	10.2	40.0	50.0-	58.3	44.9	52.0	59.9	45.6
L. S. D. (0.05)	6.6	3.4	4.5	14.2	7.5	8.7	8.7	4.6	5.0
C. V. (%)	6.2	14.3	4.8	12.2	6.9	8.6	8.2	3.9	10.6

TABLE 12 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
MANOKIN	18.7	19.7	21.4	19.1	20.1	19.4	19.7
KS4694	18.6	19.9	20.7	19.3	21.5	19.8	20.0
K1498	18.8	19.8	20.2	18.4	21.3	19.6	19.7
K1499	16.3	18.5	20.1	19.1	19.2	19.6	18.8
K1500	17.8	20.0	19.8	20.1	21.1	20.3	19.9
K1501	16.7	18.9	20.4	18.9	20.0	19.1	19.0
K1502	18.3	19.8	20.9	19.0	21.2	19.8	19.8
LS97-1408	18.6	20.0	21.1	19.6	20.3	19.9	19.9
LS97-1610	17.8	19.6	20.8	19.1	20.5	19.5	19.6
LS97-2611	18.8	19.9	19.6	19.0	20.5	19.3	19.5
LS97-3004	18.9	20.0	21.7	19.4	21.9	20.0	20.3
LS97-3915	18.0	19.8	20.1	19.0	20.2	19.0	19.4
Md 97-5010	18.7	20.1	20.3	18.8	21.5	19.6	19.8
Md 97-5899	19.3	21.0	20.6	19.6	22.0	19.6	20.4
Md 97-5905	20.6	21.7	21.6	20.2	22.5	20.3	21.2
Md 97-6491	17.5	19.0	19.7	18.4	19.4	18.6	18.8
R97-1809F	17.9	19.4	19.7	18.7	18.8	18.8	18.9
S97-1753	17.6	19.5	20.2	18.5	20.0	18.9	19.1
S97-1759	17.7	19.4	19.9	18.2	19.8	18.8	19.0
TN96-11	17.1	19.4	20.0	19.0	19.6	19.4	19.1
TN97-45	19.4	21.2	20.5	19.3	20.7	19.4	20.1
TN97-76	18.7	20.6	19.9	19.4	20.6	20.2	19.9
TN98-149	18.9	19.6	20.0	18.6	19.9	19.1	19.4
TN98-95	19.0	20.5	21.4	18.9	19.9	19.9	19.9
V96-1812	18.5	19.0	20.3	19.0	19.7	19.7	19.4
V97-8033	17.4	20.8	20.5	20.1	20.8	20.5	20.0
V97-8036	17.9	19.3	19.1	18.2	19.6	18.4	18.8
V97-8057	19.5	21.0	20.3	19.0	20.6	19.9	20.1
V97-8194	18.9	21.7	21.1	19.8	23.1	20.1	20.8

**TABLE 13 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP IV-S, 2000**

STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
MANOKIN	43.4	41.6	37.8	41.7	43.8	41.7	41.7
KS4694	41.0	41.9	42.2	43.1	41.8	43.9	42.3
K1498	40.1	41.1	40.1	41.3	40.4	41.0	40.7
K1499	39.0	42.1	40.9	42.9	41.1	41.4	41.2
K1500	45.6	42.5	43.1	42.6	43.0	42.6	43.2
K1501	45.3	44.0	42.1	43.4	43.1	43.4	43.6
K1502	42.9	41.5	41.1	43.4	40.7	41.9	41.9
LS97-1408	42.6	44.0	43.6	43.0	44.5	42.7	43.4
LS97-1610	46.8	41.8	42.8	42.1	43.4	42.4	43.2
LS97-2611	42.9	43.4	44.2	43.8	41.3	43.7	43.2
LS97-3004	41.8	42.4	40.8	44.2	43.5	42.9	42.6
LS97-3915	39.1	42.8	41.6	43.2	42.1	42.9	42.0
Md 97-5010	40.2	42.2	42.7	42.8	41.5	42.8	42.0
Md 97-5899	38.4	42.5	43.8	43.9	42.1	43.7	42.4
Md 97-5905	41.7	41.9	41.8	41.4	39.9	42.1	41.5
Md 97-6491	41.5	45.1	44.4	45.2	45.4	45.5	44.5
R97-1809F	49.1	43.3	43.2	42.7	44.2	38.6	43.5
S97-1753	45.6	41.8	41.4	43.1	44.7	43.0	43.3
S97-1759	44.6	42.3	41.9	42.4	44.8	42.9	43.2
TN96-11	44.8	43.1	44.4	45.4	43.8	44.6	44.4
TN97-45	46.3	44.5	44.0	44.8	44.3	44.1	44.7
TN97-76	44.4	42.1	43.2	43.5	43.1	43.5	43.3
TN98-149	44.7	42.7	42.6	43.0	42.7	43.6	43.2
TN98-95	44.7	41.2	41.1	44.0	43.1	41.9	42.7
V96-1812	43.2	46.3	40.8	44.4	44.3	43.8	43.8
V97-8033	38.8	41.3	41.2	41.9	39.9	41.8	40.8
V97-8036	43.8	44.6	44.7	45.1	44.0	46.7	44.8
V97-8057	39.9	41.4	41.5	41.0	40.3	43.4	41.3
V97-8194	40.5	41.6	42.6	43.1	39.9	43.9	41.9

TABLE 14 - SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

VARIETY						
STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
MANOKIN	10.3	10.0	13.9	11.7	12.7	10.2
KS4694	10.3	12.1	17.6	14.5	16.9	14.4
K1498	10.3	12.2	15.4	12.6	14.1	11.2
K1499	8.3	10.4	15.1	11.6	13.2	11.7
K1500	11.1	14.1	18.6	14.8	17.8	15.6
K1501	9.5	12.0	16.5	12.4	14.3	13.5
K1502	10.8	11.8	16.9	12.6	15.4	11.9
LS97-1408	10.7	13.0	17.9	13.9	16.5	14.5
LS97-1610	9.7	9.6	11.4	11.6	12.2	11.2
LS97-2611	11.5	12.7	15.7	12.2	16.1	11.9
LS97-3004	9.7	11.0	15.2	14.2	15.5	13.3
LS97-3915	10.4	12.3	15.4	11.8	15.1	11.3
Md 97-5010	10.5	11.5	13.4	12.7	15.5	11.0
Md 97-5899	7.8	10.9	12.7	11.6	13.3	11.2
Md 97-5905	10.7	11.6	14.4	11.5	14.6	12.6
Md 97-6491	10.4	13.4	17.3	16.1	17.2	15.0
R97-1809F	10.9	8.5	12.5	8.6	12.1	10.4
S97-1753	10.6	12.4	16.4	14.1	18.1	14.1
S97-1759	9.5	10.3	14.4	11.1	15.4	11.8
TN96-11	11.1	13.9	16.8	12.9	16.1	14.3
TN97-45	10.9	13.8	16.3	11.4	15.6	11.8
TN97-76	10.8	12.2	14.9	12.7	14.6	12.8
TN98-149	11.1	12.1	15.7	12.8	15.6	11.8
TN98-95	11.3	11.2	15.0	11.1	14.3	12.6
V96-1812	9.8	9.3	13.0	10.9	12.1	9.4
V97-8033	8.7	12.5	19.7	14.1	19.0	15.1
V97-8036	10.3	11.9	18.1	13.8	18.1	14.7
V97-8057	11.2	13.1	17.9	15.0	16.8	14.8
V97-8194	11.2	12.7	17.3	14.6	16.0	12.4

TABLE 15 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	36	27	35	35	23	33	34	32
KS4694	37	34	39	39	29	44	39	37
K1498	33	28	40	40	22	35	36	33
K1499	41	37	41	40	35	43	39	39
K1500	42	40	44	44	35	51	42	42
K1501	42	43	43	45	36	49	39	42
K1502	46	45	47	47	41	51	42	45
LS97-1408	39	36	42	40	42	37	39	39
LS97-1610	34	26	35	32	34	31	30	32
LS97-2611	42	41	46	44	40	49	40	43
LS97-3004	39	36	42	41	30	42	36	38
LS97-3915	37	38	45	41	35	40	36	39
Md 97-5010	41	38	40	44	34	42	38	40
Md 97-5899	41	36	43	43	42	43	43	42
Md 97-5905	40	37	42	41	36	40	44	40
Md 97-6491	38	32	43	40	30	42	38	37
R97-1809F	40	32	41	38	21	36	36	35
S97-1753	44	33	40	37	26	43	37	37
S97-1759	41	34	36	37	23	48	36	36
TN96-11	38	43	45	44	40	39	39	41
TN97-45	43	45	48	46	40	48	41	44
TN97-76	42	40	46	40	34	51	37	41
TN98-149	30	24	41	37	20	34	32	31
TN98-95	41	38	44	42	33	47	38	40
V96-1812	34	24	41	38	16	38	35	32
V97-8033	38	35	46	42	27	45	40	39
V97-8036	37	35	43	41	30	43	41	38
V97-8057	37	35	40	38	31	46	38	38
V97-8194	43	33	45	43	26	49	40	40

TABLE 16 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	2	2	4	4	2	4	4	3
KS4694	1	1	2	3	2	3	3	2
K1498	1	1	3	3	2	3	3	2
K1499	3	3	4	4	4	4	5	4
K1500	3	2	3	4	4	4	5	4
K1501	2	2	3	4	4	3	5	3
K1502	2	4	3	4	3	3	4	3
LS97-1408	1	1	2	2	2	1	2	2
LS97-1610	2	2	5	3	2	5	4	3
LS97-2611	2	2	4	4	3	4	4	3
LS97-3004	2	1	3	4	2	3	4	2
LS97-3915	1	1	1	3	2	2	3	2
Md 97-5010	1	2	2	3	2	3	3	2
Md 97-5899	1	1	3	4	2	3	3	2
Md 97-5905	1	2	3	4	3	3	4	3
Md 97-6491	1	1	2	3	2	1	4	2
R97-1809F	1	2	4	4	2	4	4	3
S97-1753	3	2	5	4	2	4	4	3
S97-1759	2	2	5	4	2	4	4	3
TN96-11	1	3	3	4	4	4	4	3
TN97-45	1	2	1	3	2	2	4	2
TN97-76	2	2	3	3	3	3	3	3
TN98-149	1	1	3	3	2	3	3	2
TN98-95	1	2	3	3	2	4	4	3
V96-1812	1	1	2	3	2	3	4	2
V97-8033	2	2	3	4	4	5	5	3
V97-8036	2	2	3	4	2	3	4	3
V97-8057	1	2	3	4	2	5	4	3
V97-8194	1	1	2	2	2	3	3	2

TABLE 17 - SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP IV-S, 2000

STRAIN/ VARIETY	PITTSBURG KS	PORTAGEVILLE MO(A)	PRINCETON KY	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
MANOKIN	4	2	2	1	2	2	2	2
KS4694	3	2	2	1	2	2	2	2
K1498	4	2	3	1	2	3	2	2
K1499	4	2	3	1	2	4	2	3
K1500	4	2	3	1	2	4	2	3
K1501	5	2	3	1	2	3	2	3
K1502	4	2	3	1	2	2	2	2
LS97-1408	4	2	1	1	2	2	2	2
LS97-1610	3	2	3	1	2	4	2	2
LS97-2611	3	2	3	1	2	3	2	2
LS97-3004	4	1	3	1	2	2	2	2
LS97-3915	4	2	2	1	2	2	2	2
Md 97-5010	3	2	3	1	2	3	2	2
Md 97-5899	4	2	3	1	2	4	2	3
Md 97-5905	4	2	4	1	2	3	3	3
Md 97-6491	3	2	3	1	2	2	2	2
R97-1809F	4	2	2	1	2	3	2	2
S97-1753	3	2	2	1	2	2	2	2
S97-1759	2	2	3	1	2	2	2	2
TN96-11	3	1	2	1	2	3	2	2
TN97-45	4	1	3	1	2	3	2	2
TN97-76	3	2	2	1	2	3	2	2
TN98-149	3	2	2	1	2	2	2	2
TN98-95	3	2	3	1	2	2	2	2
V96-1812	4	2	2	1	2	2	1	2
V97-8033	5	2	2	1	2	4	2	3
V97-8036	4	3	4	1	2	3	3	3
V97-8057	5	3	3	1	2	3	3	3
V97-8194	5	2	4	1	2	3	2	3

UNIFORM GROUP V

2000

Uniform Group V nurseries were planted at 25 locations. Data were obtained from 22 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,
2000**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. HUTCHESON	V68-1034 X ESSEX	
2. MANOKIN	L70-L3048 X D74-7824	
3. DT96-6840	Hutcheson X P9641	
4. DT97-6308	Hutcheson X A5979	
5. K1424	HUTCHESON X A4715	F5
6. K1425	HARTWIG X KS4895	F5
7. K1463	S88-1934 X N90-516	F5
8. K1466	MANOKIN X HC89-2170	F5
9. LS96-1631	Gateway511 X Hutcheson	
10. N96-7211	Holiday X N91-8006	F4
11. OK92-6508	MILES X FORREST	
12. OK96-7006	FORREST X R85-3280	
13. R95-2210	MANOKIN X A6297	
14. R96-1471	A5403 X MANOKIN	
15. R96-3444	PI0 9592 X KS4895	
16. R96-864	A6297 X PI0 9592	
17. S96-2641	P9591 X S91-1839	
18. S96-2692	Manokin X S91-1839	
19. S96-3418	S92-1666 X NKS59-60	
20. S97-1688	S91-1381 X H5810	
21. TN93-99	HUTCHESON X (TN85-55 X TN5-85)	
22. TN94-213	S85-1009 X HUTCHESON	
23. TN96-58	HUTCHESON X TN89-39	
24. TN96-64	N85-578 X MANOKIN	
25. TN96-68	N85-578 X MANOKIN	
26. V93-3114	FFR544 X Hutcheson	
27. V95-0016	KS5292 X Accomac	
28. V95-0242	Hutcheson X V85-1195	
29. V95-0391	V85-1729 X V84-1354W	
30. Md 95-5260	S88-1855 X Manokin	F5
31. N96-180	N87-298 X Cook	F6
32. N96-556	N87-298 x NRS5Y	F6

**TABLE 19 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP V, 2000**

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	2000	99-00	98-00	2000	99-00	98-00	2000	99-00	98-00
HUTCHESON	44.5	43.8	42.7	41.7	41.3	41.1	20.5	20.3	20.5
MANOKIN	45.8	43.1	41.2	41.1	41.6	41.4	19.9	19.4	19.7
DT96-6840	46.2	44.3	.	43.1	42.6	.	19.5	19.4	.
DT97-6308	45.7	.	.	41.0	.	.	19.7	.	.
K1424	45.4	44.0	.	42.4	42.0	.	20.3	20.1	.
K1425	45.9	43.9	.	40.4	40.6	.	19.0	18.7	.
K1463	46.4	.	.	41.1	.	.	18.6	.	.
K1466	45.2	.	.	43.2	.	.	19.2	.	.
LS96-1631	46.0	.	.	42.3	.	.	19.9	.	.
N96-7211	42.2	41.1	.	42.4	42.5	.	19.1	18.7	.
OK92-6508	39.2	.	.	42.5	.	.	18.5	.	.
OK96-7006	39.0	.	.	41.8	.	.	19.7	.	.
R95-2210	45.5	44.3	.	42.3	42.2	.	19.1	18.9	.
R96-1471	44.4	.	.	42.0	.	.	20.1	.	.
R96-3444	45.7	.	.	42.8	.	.	19.6	.	.
R96-864	45.5	.	.	42.2	.	.	19.8	.	.
S96-2641	44.0	.	.	43.6	.	.	18.7	.	.
S96-2692	44.8	43.5	.	42.8	42.8	.	18.8	18.6	.
S96-3418	43.0	.	.	41.8	.	.	18.9	.	.
S97-1688	43.7	.	.	44.0	.	.	18.7	.	.
TN93-99	45.8	.	44.5	42.8	.	41.9	20.0	.	20.6
TN94-213	47.2	44.7	42.0	42.8	42.7	42.6	19.4	19.0	19.1
TN96-58	50.1	47.0	.	43.3	42.7	.	19.3	19.1	.
TN96-64	47.0	44.7	.	40.3	40.3	.	19.7	19.5	.
TN96-68	48.6	45.4	.	41.3	41.6	.	19.9	19.8	.
V93-3114	47.2	44.2	43.7	41.5	41.1	40.9	20.3	20.0	20.4
V95-0016	47.2	.	.	42.1	.	.	19.6	.	.
V95-0242	43.6	.	.	42.0	.	.	19.9	.	.
V95-0391	44.5	.	.	43.3	.	.	19.1	.	.
Md 95-5260	45.4	.	.	41.6	.	.	19.7	.	.
N96-180	44.1	43.5	.	43.4	42.9	.	19.8	19.6	.
N96-556	45.1	.	.	43.0	.	.	19.9	.	.

†Data not included in mean: (2000) - Belle Mina, AL; Suffolk, VA
(1999) - Springfield, TN; Ullin, IL; Prosper, TX; Belle Mina, AL
(1998) - McCune, KS; Pittsburg, KS; Walnut, KS; Bossier City, LA

TABLE 19 - Continued

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
HUTCHESON	W	10/07	2	30	2	12.5	G	T
MANOKIN	W	7-	3	31	2	11.6	T	T
DT96-6840	W	1+	3	35	2	13.6	G	T
DT97-6308	W	6-	2	29	2	11.6	G	T
K1424	W	1+	2	32	2	12.3	G	T
K1425	P	0	2	30	2	11.2	G	BR
K1463	W	1-	3	33	2	12.1	T	T
K1466	P	2-	3	33	2	12.4	T	T
LS96-1631	P	4-	2	31	2	13.0	G	T
N96-7211	P	1-	2	30	2	12.6	G	T
OK92-6508	W	2+	3	37	2	11.9	T	T
OK96-7006	S	2+	2	36	2	12.2	G	T
R95-2210	W	3+	3	33	2	11.6	G	T
R96-1471	S	4-	2	30	2	11.9	T	T
R96-3444	W	0	2	30	2	12.5	G	T
R96-864	W	1+	3	36	2	13.3	G	T
S96-2641	P	1-	2	34	2	11.0	G	T
S96-2692	W	2-	2	33	2	11.9	T	T
S96-3418	P	4+	3	34	3	12.1	T	BR
S97-1688	W	1-	2	33	2	11.2	T	T
TN93-99	W	2-	2	30	2	11.8	G	T
TN94-213	W	3-	2	29	2	11.6	G	T
TN96-58	W	3-	2	33	2	12.3	G	T
TN96-64	P	3-	2	28	2	13.3	G	T
TN96-68	W	5-	2	27	2	13.2	T	T
V93-3114	W	2-	2	36	2	13.0	G	T
V95-0016	P	1-	2	32	2	10.0	G	T
V95-0242	P	5-	2	30	2	12.6	G	T
V95-0391	S	3-	2	34	2	10.5	G	T
Md 95-5260	W	6-	2	32	2	12.4	T	T
N96-180	W	2+	2	37	2	14.4	G	T
N96-556	W	2+	2	35	2	12.2	G	BR

TABLE 19 - Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN 2	SCN 3	SCN 14	M. A. GA	M. I. GA	SDS DX	SMV
HUTCHESON	4.9	4.7	5.0	4.3	4.5	29	R
MANOKIN	4.3	1.0	5.0	2.8	1.3	8	
DT96-6840	5.0	4.7	4.7	3.5	1.8	14	R
DT97-6308	3.0	1.7	1.9	3.5	3.5	19	R
K1424	4.8	1.0	1.3	4.8	4.3	27	R
K1425	1.0	1.0	1.0	2.8	3.0	15	S
K1463	2.2	1.0	3.6	4.3	1.3	10	R
K1466	5.0	2.8	5.0	3.5	4.5	19	S
LS96-1631	4.9	2.3	4.7	4.3	4.8	8	R
N96-7211	5.0	4.6	5.0	4.3	4.0	16	R
OK92-6508	4.8	2.8	5.0	3.5	1.5	14	S
OK96-7006	5.0	4.8	5.0	4.3	3.3	21	M
R95-2210	4.0	1.0	2.7	4.0	4.8	14	S
R96-1471	5.0	1.3	3.9	4.0	2.5	32	S
R96-3444	5.0	4.8	5.0	4.3	3.8	0	S
R96-864	5.0	3.7	5.0	2.8	2.0	8	S
S96-2641	1.0	1.0	3.2	3.8	3.8	22	S
S96-2692	1.8	1.8	3.3	3.8	1.0	4	S
S96-3418	1.0	1.2	2.0	4.3	4.5	4	S
S97-1688	1.0	1.0	1.7	3.3	4.0	18	S
TN93-99	5.0	5.0	5.0	4.0	4.8	37	R
TN94-213	5.0	4.2	4.9	4.3	4.5	37	R
TN96-58	5.0	4.7	4.8	4.0	1.3	26	R
TN96-64	5.0	5.0	5.0	4.3	4.8	21	R
TN96-68	5.0	4.2	5.0	2.5	5.0	1	S
V93-3114	4.8	4.8	5.0	4.3	3.5	15	R
V95-0016	4.6	1.0	5.0	3.3	1.5	10	S
V95-0242	4.7	1.3	5.0	5.0	3.5	25	M
V95-0391	5.0	1.0	5.0	3.8	2.8	19	S
Md 95-5260	4.2	3.3	4.9	3.3	4.8	19	S
N96-180	5.0	4.6	5.0	4.8	2.3	21	R
N96-556	5.0	4.8	4.9	3.3	3.0	25	S

**TABLE 20 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP V, 2000**

STRAIN/ VARIETY	EAST					
	GEORGETOWN DE	ORANGE VA	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	MEAN
HUTCHESON	57.3	43.9	.	42.2	56.0	49.8
MANOKIN	45.9	59.1	47.1	57.0	60.5	53.9
DT96-6840	54.0	43.4	51.3	53.2	57.0	51.8
DT97-6308	52.7	43.4	40.8	52.0	52.8	48.4
K1424	63.9	52.5	49.8	53.1	53.2	54.5
K1425	49.9	53.5	47.4	51.6	55.7	51.6
K1463	53.7	48.1	46.6	53.3	53.8	51.1
K1466	45.7	54.1	46.2	56.6	57.2	52.0
LS96-1631	46.8	61.7	46.7	56.2	55.1	53.3
N96-7211	41.0	46.3	45.2	58.2	56.9	49.5
OK92-6508	52.8	41.5	38.3	48.0	54.7	47.0
OK96-7006	43.3	46.7	36.0	49.4	51.8	45.4
R95-2210	55.1	44.4	43.2	59.9	59.5	52.4
R96-1471	48.7	52.9	41.3	56.8	54.8	50.9
R96-3444	50.8	57.6	38.9	51.0	54.4	50.6
R96-864	48.1	45.0	47.1	61.1	57.8	51.8
S96-2641	48.8	44.8	42.5	46.4	56.4	47.8
S96-2692	48.8	49.3	45.8	51.8	59.1	51.0
S96-3418	47.8	40.1	46.4	43.4	45.4	44.6
S97-1688	52.2	49.8	36.8	46.3	53.2	47.6
TN93-99	48.5	53.2	46.6	55.8	53.6	51.6
TN94-213	48.7	62.9	50.4	55.0	58.8	55.2
TN96-58	49.2	57.7	51.3	59.2	61.4	55.7
TN96-64	51.1	58.6	52.0	56.9	54.2	54.5
TN96-68	64.0	59.7	36.1	57.5	61.1	55.7
V93-3114	41.4	56.7	43.3	60.1	59.8	52.2
V95-0016	47.1	62.9	51.2	59.7	60.4	56.3
V95-0242	41.5	60.9	39.6	53.6	54.5	50.0
V95-0391	55.8	47.8	45.5	59.2	61.7	54.0
Md 95-5260	42.0	55.0	43.5	58.6	60.2	51.9
N96-180	47.6	54.3	44.5	47.5	54.4	49.7
N96-556	50.4	51.4	42.3	58.6	57.1	52.0
L. S. D. (0.05)	5.1	8.5	7.9	6.7	4.9	.
C. V. (%)	6.6	10.0	10.1	7.5	5.3	.

TABLE 20 - Continued

SOUTH

STRAIN/ VARIETY	BATON ROUGE	BELLE MINA†	CALHOUN	KNOXVILLE	PRINCETON	SPRINGFIELD	STARKVILLE	SUFFOLK†	ULLIN	MEAN
	LA	AL	GA	TN	KY	TN	MS	VA	IL	
HUTCHESON	44.2	13.6	39.7	43.4	59.8	47.5	35.6	31.2	46.5	45.2
MANOKIN	50.1	12.2	34.8	52.3	62.1	54.9	31.7	49.6	54.2	48.6
DT96-6840	55.3	15.0	38.6	47.9	65.9	47.2	36.5	65.5	54.9	49.5
DT97-6308	53.2	15.3	30.7	52.0	71.2	51.6	36.4	39.0	52.5	49.7
K1424	57.0	11.2	50.1	50.5	56.9	45.7	36.5	56.2	39.5	48.1
K1425	54.3	15.9	50.6	53.9	61.2	48.6	21.5	46.9	51.7	48.8
K1463	57.7	13.1	37.3	47.3	71.0	47.0	30.5	58.4	51.0	48.8
K1466	57.0	13.1	41.4	46.9	62.1	47.7	33.0	58.3	50.9	48.4
LS96-1631	51.2	16.9	51.8	52.3	55.0	50.4	29.6	40.7	56.5	49.5
N96-7211	42.2	13.1	30.0	44.5	61.3	42.7	36.2	37.8	50.8	43.9
OK92-6508	48.4	12.8	38.2	36.5	49.7	38.4	30.0	44.8	38.0	39.9
OK96-7006	54.6	12.8	36.2	35.8	53.6	42.7	27.7	48.8	37.6	41.2
R95-2210	59.8	16.9	38.2	48.1	60.4	47.7	40.7	57.3	40.5	47.9
R96-1471	47.4	16.6	42.7	43.9	56.9	52.1	30.1	46.3	53.4	46.6
R96-3444	51.9	15.0	35.5	43.6	54.1	47.5	33.6	47.7	58.8	46.4
R96-864	57.4	15.0	45.1	43.4	57.2	49.8	36.3	54.9	41.1	47.2
S96-2641	51.2	16.9	39.7	49.2	56.3	44.0	32.2	55.1	47.8	45.7
S96-2692	55.3	8.4	34.8	53.2	57.5	39.3	34.7	40.8	49.4	46.3
S96-3418	58.1	15.6	34.8	46.4	52.4	47.8	23.7	49.7	46.0	44.2
S97-1688	40.1	16.2	41.2	43.1	51.9	48.6	27.8	38.1	46.0	42.7
TN93-99	55.3	15.9	36.6	41.2	62.9	48.1	31.4	44.3	54.6	47.2
TN94-213	55.7	15.3	42.8	47.5	61.3	46.2	35.6	40.5	51.3	48.6
TN96-58	59.5	14.1	54.0	52.3	61.3	56.5	39.6	53.4	64.7	55.4
TN96-64	56.7	9.4	34.6	47.4	74.6	54.4	37.1	47.0	55.9	51.5
TN96-68	65.0	15.6	25.2	52.1	77.3	55.7	40.3	43.6	55.5	53.0
V93-3114	60.1	10.9	44.9	45.3	66.7	53.6	35.6	48.2	51.3	51.1
V95-0016	61.7	18.1	39.1	44.9	66.0	47.7	32.3	57.0	59.7	50.2
V95-0242	57.0	15.0	24.9	48.6	62.3	51.7	31.7	25.0	48.6	46.4
V95-0391	53.6	15.3	39.9	46.0	74.6	42.9	26.8	49.8	60.1	49.1
Md 95-5260	51.9	10.9	46.3	43.5	70.1	52.4	18.1	61.0	49.8	47.4
N96-180	58.1	13.7	26.3	49.3	63.5	52.9	36.7	40.6	50.1	48.1
N96-556	54.3	15.3	35.2	47.5	71.7	46.7	37.3	65.2	50.7	49.1
L. S. D. (0.05)	11.0	.	8.3	8.6	16.2	6.2	5.2	.	8.8	.
C. V. (%)	12.3	.	13.0	11.2	15.9	7.7	9.7	.	10.5	.

†Data not included in mean.

TABLE 20 - Continued

STRAIN/ VARIETY	DELTA				
	KEISER AR	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS	MEAN
HUTCHESON	49.7	56.0	54.0	45.8	51.4
MANOKIN	47.6	51.0	42.5	49.4	47.6
DT96-6840	41.6	50.4	52.5	47.0	47.9
DT97-6308	55.3	46.9	53.7	54.3	52.6
K1424	38.5	49.9	44.8	40.0	43.3
K1425	42.5	56.2	41.0	45.7	46.3
K1463	48.1	50.2	52.4	50.8	50.4
K1466	47.8	47.8	47.9	47.9	47.8
LS96-1631	44.4	47.3	51.0	40.2	45.7
N96-7211	46.0	46.8	43.8	45.9	45.6
OK92-6508	38.1	41.8	49.7	33.1	40.7
OK96-7006	44.4	40.5	43.0	33.3	40.3
R95-2210	44.9	50.2	45.8	41.6	45.6
R96-1471	43.6	51.5	45.1	43.2	45.9
R96-3444	52.9	50.9	48.4	51.1	50.8
R96-864	46.0	49.0	57.5	43.3	48.9
S96-2641	45.9	55.0	52.4	41.2	48.6
S96-2692	49.0	51.7	44.3	46.7	47.9
S96-3418	48.2	54.5	57.8	37.7	49.6
S97-1688	44.0	54.8	53.8	40.9	48.4
TN93-99	51.9	52.4	46.4	45.6	49.1
TN94-213	52.0	50.2	48.6	46.1	49.2
TN96-58	60.7	49.9	46.4	51.1	52.0
TN96-64	53.6	43.5	46.3	49.9	48.3
TN96-68	53.3	48.6	45.4	48.7	49.0
V93-3114	50.4	45.4	54.5	48.8	49.8
V95-0016	57.5	48.4	39.7	46.5	48.0
V95-0242	46.9	43.0	44.1	48.0	45.5
V95-0391	43.8	45.3	33.8	45.0	42.0
Md 95-5260	44.5	49.6	50.6	53.1	49.4
N96-180	48.2	40.7	44.0	46.5	44.8
N96-556	45.0	43.8	54.7	37.3	45.2
L. S. D. (0.05)	7.9	5.8	6.9	7.6	.
C. V. (%)	7.6	7.3	8.8	10.2	.

TABLE 20 - Continued

STRAIN/ VARIETY	WEST				MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	
HUTCHESON	30.3	15.6	20.5	58.0	31.1
MANOKIN	26.6	18.6	19.8	50.6	28.9
DT96-6840	34.2	16.2	20.5	56.5	31.9
DT97-6308	30.3	17.1	15.4	52.0	28.7
K1424	35.4	15.5	21.0	53.2	31.3
K1425	31.4	18.5	23.0	59.0	33.0
K1463	32.3	16.3	20.7	59.1	32.1
K1466	27.3	13.3	15.8	57.0	28.3
LS96-1631	29.7	17.9	15.3	60.0	30.7
N96-7211	27.5	14.7	12.3	51.0	26.4
OK92-6508	28.9	9.8	15.1	52.1	26.5
OK96-7006	22.0	13.9	15.5	51.7	25.8
R95-2210	31.3	16.5	22.6	58.7	32.3
R96-1471	30.3	17.3	22.0	54.0	30.9
R96-3444	34.1	19.4	17.3	62.9	33.4
R96-864	29.2	16.1	15.8	63.6	31.2
S96-2641	28.7	19.3	22.5	56.1	31.6
S96-2692	32.8	15.5	24.1	52.7	31.3
S96-3418	32.1	15.2	19.4	63.2	32.5
S97-1688	37.5	20.4	25.8	59.1	35.7
TN93-99	31.8	18.9	20.7	60.7	33.0
TN94-213	33.4	20.2	19.9	58.3	33.0
TN96-58	25.7	19.4	20.2	61.7	31.8
TN96-64	28.5	18.3	13.2	52.9	28.2
TN96-68	36.4	20.2	15.2	55.1	31.7
V93-3114	31.8	16.8	18.5	59.1	31.5
V95-0016	24.7	17.8	20.1	55.9	29.6
V95-0242	27.5	17.9	15.5	54.9	29.0
V95-0391	23.5	16.0	18.7	50.7	27.2
Md 95-5260	24.4	21.0	22.1	52.0	29.9
N96-180	32.4	12.6	12.9	59.7	29.4
N96-556	33.6	12.7	14.5	57.3	29.5
L. S. D. (0.05)	6.5	2.0	3.2	7.9	.
C. V. (%)	13.0	8.5	12.7	6.5	.

TABLE 21 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2000

OIL PERCENTAGE

STRAIN/ VARIETY	BELLE†		KNOX-		ORANGE VA	PITTSBURG KS	PLYMOUTH NC	PORTAGE-		PRINCETON KY	QUEENS-		SPRING-		STONE-		WARSAW VA	MEAN
	MINA AL	CALHOUN GA	VILLE TN	MCCUNE KS				VILLE MO(A)	VILLE MO(B)		TOWN MD	FIELD TN	VILLE MS	SUFFOLK† VA	ULLIN IL			
HUTCHESON	20.7	.	21.7	.	19.9	19.7	.	20.0	.	20.4	19.6	21.2	20.7	19.5	20.5	20.8	20.5	
MANOKIN	20.1	.	21.1	.	19.8	18.0	19.7	20.8	.	20.0	18.8	20.0	20.9	18.4	20.0	19.6	19.9	
DT96-6840	19.4	.	20.8	.	19.2	18.4	19.5	20.2	.	19.2	18.8	20.6	19.4	19.3	19.9	19.0	19.5	
DT97-6308	19.3	.	20.5	.	19.8	18.3	20.2	19.8	.	19.7	19.0	20.2	20.6	18.5	19.5	19.4	19.7	
K1424	20.6	.	21.6	.	20.1	19.2	20.1	20.8	.	20.6	19.4	21.2	20.6	19.2	19.8	19.4	20.3	
K1425	19.8	.	20.0	.	19.0	16.7	19.3	18.8	.	19.2	18.4	19.8	19.7	19.1	18.8	18.8	19.0	
K1463	19.0	.	19.6	.	18.3	18.0	18.5	18.2	.	18.5	17.8	19.9	19.2	19.1	18.1	18.1	18.6	
K1466	19.2	.	20.6	.	19.0	18.1	19.2	19.1	.	19.6	18.6	19.3	19.6	18.4	18.8	18.8	19.2	
LS96-1631	20.9	.	21.4	.	19.2	19.4	19.4	21.1	.	19.4	18.9	19.8	20.5	19.3	20.5	19.6	19.9	
N96-7211	18.3	.	19.7	.	19.3	17.6	19.3	19.5	.	19.5	18.5	20.5	18.2	19.9	19.4	19.0	19.1	
OK92-6508	18.6	.	19.9	.	17.8	17.2	18.8	18.4	.	18.8	18.4	19.8	18.1	20.4	18.0	18.5	18.5	
OK96-7006	19.3	.	21.0	.	19.3	19.7	19.3	20.0	.	19.8	19.1	19.6	19.9	19.9	19.4	19.2	19.7	
R95-2210	20.5	.	20.5	.	18.1	18.3	19.1	19.3	.	19.0	18.5	20.5	19.4	19.1	18.7	18.2	19.1	
R96-1471	19.9	.	21.5	.	19.2	19.2	20.4	20.6	.	19.9	19.3	19.6	21.1	20.5	20.3	19.8	20.1	
R96-3444	20.0	.	19.9	.	19.3	19.3	19.6	19.9	.	19.4	18.6	20.3	19.9	19.7	19.7	19.3	19.6	
R96-864	20.0	.	21.0	.	18.6	20.3	19.6	20.9	.	19.5	18.6	19.7	20.9	20.0	20.0	19.1	19.8	
S96-2641	19.0	.	19.8	.	18.3	17.6	18.6	18.6	.	18.6	18.1	20.7	19.0	20.4	18.0	18.0	18.7	
S96-2692	18.5	.	20.2	.	18.0	18.0	18.6	18.4	.	18.3	17.6	20.0	20.5	19.2	18.4	18.3	18.8	
S96-3418	19.6	.	21.2	.	18.4	15.8	19.7	19.5	.	18.5	18.6	19.3	19.5	20.1	19.2	18.1	18.9	
S97-1688	19.0	.	20.2	.	18.9	16.0	18.1	18.2	.	19.9	18.4	20.7	19.0	19.5	18.1	18.2	18.7	
TN93-99	20.6	.	21.9	.	19.6	17.3	20.9	20.8	.	18.9	19.9	18.6	21.2	19.3	20.7	20.3	20.0	
TN94-213	18.3	.	19.6	.	19.8	17.5	19.6	18.8	.	21.2	18.5	20.7	19.2	20.1	19.1	19.0	19.4	
TN96-58	19.7	.	20.2	.	19.7	18.5	19.4	19.4	.	19.3	18.6	19.1	19.4	20.0	19.4	19.3	19.3	
TN96-64	19.8	.	20.6	.	19.3	18.9	19.9	19.8	.	19.8	18.8	19.4	20.7	19.6	20.1	19.9	19.7	
TN96-68	20.6	.	21.3	.	18.5	19.6	20.0	20.4	.	20.1	18.4	19.8	21.3	20.4	20.4	19.5	19.9	
V93-3114	20.3	.	20.7	.	19.5	20.3	20.6	20.9	.	19.9	19.1	20.4	21.3	18.9	21.1	19.6	20.3	
V95-0016	20.0	.	20.8	.	18.9	18.0	19.9	19.9	.	19.5	18.6	20.9	20.8	19.1	19.5	19.1	19.6	
V95-0242	19.5	.	20.7	.	19.8	19.0	19.9	20.3	.	20.1	19.2	19.7	20.1	20.8	20.0	19.7	19.9	
V95-0391	19.6	.	20.1	.	19.0	17.5	18.8	18.7	.	19.2	18.8	20.6	19.6	20.0	19.0	18.8	19.1	
Md 95-5260	20.0	.	21.4	.	18.9	20.6	19.4	20.3	.	19.8	18.3	18.9	20.2	20.0	19.8	19.4	19.7	
N96-180	19.8	.	21.7	.	19.0	19.4	20.0	20.3	.	19.8	19.1	19.8	20.2	19.7	19.4	19.2	19.8	
N96-556	19.6	.	21.5	.	18.8	18.1	19.8	19.8	.	20.4	18.8	20.6	21.8	19.2	20.1	19.0	19.9	

†Data not included in mean.

TABLE 21 - Continued

PROTEIN PERCENTAGE

STRAIN/ VARIETY	BELLE†		KNOX-		ORANGE VA	PITTSBURG KS	PLYMOUTH NC	PORTAGE-		PRINCETON KY	QUEENS-		SPRING-		STONE-		SUFFOLK† VA	ULLIN IL	WARSAW VA	MEAN
	MINA AL	CALHOUN GA	VILLE TN	MCCUNE KS				VILLE MO(A)	VILLE MO(B)		TOWN MD	FIELD TN	VILLE MS							
HUTCHESON	40.5	.	40.7	.	40.5	43.5	.	41.5	.	42.6	42.6	40.3	41.8	40.5	42.3	41.2	41.7			
MANOKIN	41.7	.	40.2	.	38.2	44.5	40.8	40.0	.	41.0	42.3	40.2	42.5	42.3	41.0	41.2	41.1			
DT96-6840	44.1	.	42.9	.	41.0	47.1	42.0	42.6	.	43.6	43.7	40.7	43.8	40.4	43.4	43.5	43.1			
DT97-6308	40.5	.	41.3	.	39.5	42.6	38.9	39.5	.	41.7	42.1	39.3	40.7	38.7	42.8	42.4	41.0			
K1424	42.8	.	41.6	.	39.6	47.0	40.7	42.3	.	42.6	42.9	40.6	43.4	39.9	43.1	42.8	42.4			
K1425	35.6	.	37.6	.	39.7	44.7	39.9	40.0	.	40.2	42.5	38.3	39.8	39.3	42.3	38.9	40.4			
K1463	39.1	.	40.6	.	38.7	43.5	41.2	41.3	.	40.9	42.6	37.3	42.1	39.3	41.7	42.0	41.1			
K1466	42.4	.	42.7	.	42.9	44.5	42.6	43.7	.	42.3	43.9	39.6	45.2	42.3	44.6	43.1	43.2			
LS96-1631	39.8	.	41.0	.	41.9	44.6	41.6	40.6	.	44.2	43.1	41.2	42.6	39.1	42.6	41.7	42.3			
N96-7211	41.4	.	42.5	.	41.2	46.2	41.1	42.0	.	42.2	43.2	40.3	44.1	40.8	42.0	42.1	42.4			
OK92-6508	41.9	.	41.7	.	39.7	46.8	41.2	42.2	.	40.8	43.0	40.4	46.4	38.2	43.3	42.2	42.5			
OK96-7006	42.6	.	40.6	.	41.0	43.1	41.4	41.9	.	42.6	41.7	39.1	42.6	40.4	43.0	42.5	41.8			
R95-2210	37.8	.	41.1	.	39.2	45.3	42.0	42.8	.	42.7	42.9	40.5	43.7	40.4	42.7	42.4	42.3			
R96-1471	43.0	.	40.7	.	40.4	45.5	41.9	41.3	.	43.4	42.9	39.7	43.2	39.5	41.7	41.8	42.0			
R96-3444	40.2	.	42.2	.	42.5	44.4	41.4	42.1	.	42.6	43.4	42.3	43.6	40.4	43.3	43.0	42.8			
R96-864	41.8	.	42.2	.	40.2	45.6	41.8	40.8	.	41.9	43.1	42.0	42.0	41.4	41.9	42.3	42.2			
S96-2641	40.8	.	42.8	.	41.5	46.4	41.9	43.9	.	44.2	44.0	39.1	44.6	40.6	46.0	44.7	43.6			
S96-2692	42.0	.	41.7	.	42.0	46.1	43.2	41.5	.	43.4	44.1	39.7	42.6	41.6	43.6	43.2	42.8			
S96-3418	39.1	.	40.5	.	38.2	47.0	40.0	39.8	.	44.1	42.4	39.9	44.2	41.5	42.3	41.8	41.8			
S97-1688	42.3	.	42.7	.	42.4	45.0	43.9	45.1	.	42.3	43.8	39.5	48.8	41.0	45.3	44.9	44.0			
TN93-99	41.0	.	41.4	.	43.3	45.9	40.2	41.5	.	44.2	42.5	42.3	42.3	39.2	44.1	42.6	42.8			
TN94-213	43.6	.	42.4	.	41.4	46.1	41.4	42.7	.	41.9	44.9	40.5	41.6	39.3	44.2	43.3	42.8			
TN96-58	41.4	.	42.0	.	42.1	45.9	39.6	43.0	.	44.2	44.4	41.5	45.7	41.3	44.0	43.6	43.3			
TN96-64	39.5	.	40.0	.	38.1	42.7	37.8	38.7	.	43.5	41.7	41.5	39.9	38.9	41.1	38.8	40.3			
TN96-68	40.7	.	41.3	.	40.5	43.4	40.0	40.9	.	39.7	42.7	39.0	43.2	38.3	42.2	41.7	41.3			
V93-3114	42.0	.	41.1	.	40.7	44.9	39.9	40.5	.	42.0	42.2	39.1	42.1	37.8	41.5	42.5	41.5			
V95-0016	41.9	.	42.2	.	39.5	44.1	41.2	40.5	.	42.5	43.3	39.9	43.4	42.3	43.3	42.7	42.1			
V95-0242	41.4	.	41.6	.	40.5	42.8	41.1	41.2	.	41.8	42.9	40.9	43.4	38.9	43.4	42.9	42.0			
V95-0391	42.4	.	43.8	.	39.4	47.9	43.0	43.7	.	44.4	42.2	39.8	45.3	40.2	44.1	43.1	43.3			
Md 95-5260	41.2	.	40.3	.	39.0	42.0	41.8	41.6	.	41.2	43.1	41.9	44.0	38.2	42.4	39.9	41.6			
N96-180	42.3	.	42.8	.	41.9	46.9	42.6	43.1	.	42.9	44.4	39.5	44.8	38.7	46.0	42.4	43.4			
N96-556	43.5	.	43.0	.	38.9	49.1	42.6	43.1	.	41.1	43.0	41.7	42.8	39.4	44.1	43.4	43.0			

†Data not included in mean.

TABLE 21 - Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	BELLE†		KNOX-		MCCUNE		PORTAGE-		PORTAGE-		QUEENS-		SPRING-		STONE-		ULLIN	WARSAW	MEAN
	MINA AL	CALHOUN GA	VILLE TN	MCCUNE KS	ORANGE VA	PITTSBURG KS	PLYMOUTH NC	VILLE MO(A)	VILLE MO(B)	PRINCETON KY	TOWN MD	FIELD TN	VILLE MS	SUFFOLK† VA	IL	VA			
HUTCHESON	12.3	14.0	14.3	11.8	15.8	11.2	.	13.4	13.5	14.5	16.1	13.0	11.2	16.4	12.7	14.0	13.5		
MANOKIN	10.6	14.0	12.6	10.4	15.0	10.5	12.6	10.9	11.7	14.0	14.1	12.1	11.7	13.4	11.7	13.1	12.5		
DT96-6840	12.6	16.0	15.4	12.0	15.8	11.4	14.3	13.7	13.7	16.5	17.3	14.1	12.5	15.6	13.8	18.6	14.7		
DT97-6308	10.4	14.0	13.3	8.8	14.7	10.3	12.6	10.5	12.7	14.0	14.5	12.6	11.5	13.9	12.7	13.0	12.5		
K1424	13.6	17.0	13.4	10.7	15.0	12.0	11.5	12.2	13.6	14.5	16.3	12.2	11.5	15.9	11.2	16.0	13.4		
K1425	9.7	13.0	11.7	10.0	14.4	10.9	12.6	10.6	10.2	14.0	14.6	10.8	10.3	11.8	11.3	13.8	12.0		
K1463	11.7	13.0	13.5	11.1	14.7	10.6	14.0	11.3	13.6	14.0	15.0	11.6	12.2	14.6	12.2	14.1	12.9		
K1466	11.2	14.0	12.6	11.1	15.3	11.2	14.4	12.2	12.8	14.5	15.4	12.5	12.9	14.5	12.8	15.1	13.3		
LS96-1631	10.4	16.0	14.2	10.2	16.8	11.1	14.1	13.2	13.2	15.5	16.6	13.0	13.2	16.2	13.9	15.0	14.0		
N96-7211	9.6	15.0	13.6	10.1	16.1	11.4	13.7	12.5	12.5	14.5	16.4	12.5	11.8	14.4	13.9	15.7	13.5		
OK92-6508	11.7	13.0	13.0	9.9	14.2	13.3	14.3	11.5	12.3	13.5	15.2	11.1	10.9	14.0	11.2	15.5	12.8		
OK96-7006	12.1	14.0	13.0	11.0	15.3	13.6	13.4	13.0	13.3	13.0	14.0	11.5	10.7	13.5	11.8	15.5	13.1		
R95-2210	9.4	14.0	12.8	11.5	13.7	10.5	13.3	11.2	11.5	14.0	14.6	11.3	10.3	13.9	11.6	14.5	12.5		
R96-1471	11.8	14.0	13.0	9.8	14.9	11.0	14.1	11.7	12.2	15.0	15.2	11.9	11.7	13.9	12.3	13.0	12.8		
R96-3444	10.7	14.0	13.0	11.6	15.4	11.9	14.4	12.5	12.0	13.5	14.6	12.9	12.6	15.4	14.4	15.2	13.4		
R96-864	12.0	15.0	14.4	11.6	15.8	16.4	15.4	12.4	12.7	15.0	16.9	13.1	12.0	15.2	12.2	16.4	14.2		
S96-2641	9.5	13.0	11.9	10.9	12.6	11.1	12.2	10.3	10.9	13.5	13.3	10.6	10.5	12.5	11.0	13.3	11.8		
S96-2692	11.6	15.0	12.6	10.5	14.8	10.8	12.9	11.5	11.1	15.0	14.6	13.0	10.9	14.3	12.6	15.0	12.9		
S96-3418	10.5	14.0	14.7	9.8	14.0	11.5	14.0	11.8	11.7	15.0	15.3	10.8	11.2	13.9	12.2	15.8	13.0		
S97-1688	9.9	13.0	12.8	10.6	13.9	10.5	11.3	11.0	10.3	12.5	14.0	11.6	11.4	12.9	11.2	13.9	12.0		
TN93-99	11.6	15.0	13.7	11.1	16.5	10.9	15.0	12.5	13.2	15.0	16.0	14.0	10.8	16.6	13.7	15.4	13.8		
TN94-213	9.3	14.0	11.8	10.3	15.0	10.6	13.2	11.2	12.5	13.0	13.9	12.0	12.5	13.9	11.3	13.8	12.5		
TN96-58	10.6	14.0	13.3	10.9	15.0	9.9	17.8	11.1	12.2	13.5	14.5	12.3	12.2	13.9	13.2	14.3	13.2		
TN96-64	11.2	16.0	15.2	11.9	16.4	11.0	14.0	12.1	13.9	17.0	15.6	14.7	13.1	15.6	14.9	14.8	14.3		
TN96-68	10.7	15.0	13.6	9.9	16.8	10.7	14.1	13.0	13.2	17.5	15.9	14.7	13.8	14.6	15.1	15.5	14.2		
V93-3114	12.1	16.0	13.8	12.4	15.7	11.5	14.2	12.2	13.1	18.0	15.4	.	12.6	14.9	13.1	15.0	14.1		
V95-0016	9.0	13.0	11.4	10.1	13.7	10.4	13.0	9.5	10.5	13.0	13.6	11.0	9.5	12.7	11.1	12.9	11.6		
V95-0242	10.0	14.0	13.2	11.9	16.7	10.9	13.3	12.2	12.3	15.5	15.7	13.4	12.4	13.7	12.9	15.3	13.5		
V95-0391	11.8	13.0	12.2	9.9	12.8	9.5	11.6	9.7	10.7	13.0	12.3	10.2	10.2	11.8	11.0	12.5	11.3		
Md 95-5260	9.7	16.0	14.2	11.5	15.3	11.2	14.4	12.2	12.3	13.5	15.2	13.1	11.8	14.2	12.4	14.3	13.4		
N96-180	14.7	17.0	15.1	13.9	16.7	14.9	15.2	13.5	15.2	17.5	16.7	14.5	13.2	15.0	15.5	18.4	15.5		
N96-556	11.2	15.0	13.2	11.2	14.3	11.0	13.0	11.9	13.9	14.5	15.0	12.1	10.5	14.6	13.3	14.9	13.1		

†Data not included in mean.

TABLE 22 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN HUTCHESON FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2000

EAST						
STRAIN/ VARIETY	GEORGETOWN DE	ORANGE VA	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	MEAN
HUTCHESON	.	10/30	10/12	.	10/20	10/20
MANOKIN	.	-4	-7	.	-11	-7
DT96-6840	.	-2	0	.	8	3
DT97-6308	.	-4	0	.	-6	-3
K1424	.	-1	6	.	6	4
K1425	.	-2	0	.	2	1
K1463	.	-2	0	.	-2	-1
K1466	.	-4	0	.	-3	-2
LS96-1631	.	-4	0	.	-4	-2
N96-7211	.	-2	0	.	0	0
OK92-6508	.	-1	2	.	6	3
OK96-7006	.	0	6	.	6	5
R95-2210	.	0	6	.	6	5
R96-1471	.	-4	0	.	-7	-3
R96-3444	.	-2	0	.	3	1
R96-864	.	1	6	.	7	5
S96-2641	.	-1	0	.	4	2
S96-2692	.	-4	0	.	0	-1
S96-3418	.	2	6	.	12	7
S97-1688	.	-1	0	.	2	1
TN93-99	.	-4	0	.	-1	-1
TN94-213	.	-1	0	.	-3	-1
TN96-58	.	-4	0	.	-3	-2
TN96-64	.	-2	-6	.	-3	-3
TN96-68	.	-4	0	.	-7	-3
V93-3114	.	-4	0	.	-2	-1
V95-0016	.	-1	0	.	-2	0
V95-0242	.	-4	0	.	-3	-2
V95-0391	.	-3	0	.	-1	-1
Md 95-5260	.	-4	0	.	-7	-3
N96-180	.	1	0	.	8	4
N96-556	.	-2	0	.	3	1

TABLE 22 - Continued

STRAIN/ VARIETY	SOUTH									MEAN
	BATON ROUGE LA	BELLE† MINA AL	CALHOUN GA	KNOX- VILLE TN	PRINCE- TON KY	SPRING- FIELD TN	STARK- VILLE MS	SUFFOLK† VA	ULLIN IL	
HUTCHESON	.	10/13	10/03	10/04	.	10/11	.	10/24	10/12	10/08
MANOKIN	.	-17	3	-9	.	-2	.	-7	-3	-3
DT96-6840	.	-5	4	2	.	0	.	0	6	2
DT97-6308	.	-10	-1	-8	.	-1	.	-5	-2	-4
K1424	.	-1	3	-2	.	.	.	0	-1	-2
K1425	.	-10	3	-3	.	0	.	-2	0	-1
K1463	.	-6	1	-2	.	-1	.	0	0	-1
K1466	.	-9	2	-7	.	-1	.	-5	2	-2
LS96-1631	.	-10	3	-7	.	0	.	-2	-2	-2
N96-7211	.	-8	3	-4	.	.	.	0	1	-2
OK92-6508	.	-2	2	0	.	.	.	0	1	-1
OK96-7006	.	-3	2	2	.	.	.	0	3	0
R95-2210	.	-6	3	3	.	0	.	0	2	1
R96-1471	.	-10	1	-8	.	-2	.	-7	-2	-3
R96-3444	.	-8	2	0	.	0	.	-5	1	0
R96-864	.	-4	3	1	.	.	.	0	4	1
S96-2641	.	-8	2	-5	.	.	.	0	0	-3
S96-2692	.	-1	5	-6	.	.	.	-2	0	-3
S96-3418	.	-5	3	3	.	.	.	0	3	1
S97-1688	.	-8	4	-4	.	-1	.	-5	0	-1
TN93-99	.	-5	4	-3	.	.	.	0	0	-2
TN94-213	.	-9	5	-7	.	1	.	0	-2	-1
TN96-58	.	-9	3	-5	.	.	.	0	1	-2
TN96-64	.	-9	3	-6	.	0	.	-2	-1	-1
TN96-68	.	-12	-1	-9	.	-2	.	-5	0	-3
V93-3114	.	-2	2	-3	.	0	.	0	-1	-1
V95-0016	.	-10	2	-2	.	0	.	-2	0	0
V95-0242	.	-10	0	-8	.	0	.	-5	-2	-3
V95-0391	.	-10	0	-7	.	.	.	-2	0	-4
Md 95-5260	.	-15	2	-9	.	0	.	-7	-2	-3
N96-180	.	-3	3	0	.	.	.	0	4	0
N96-556	.	-4	4	3	.	.	.	0	4	2

†Data not included in mean.

TABLE 22 - Continued

DELTA

STRAIN/ VARIETY	KEISER	PORTAGEVILLE	PORTAGEVILLE	STONEVILLE	MEAN
	AR	MO(A)	MO(B)	MS	
HUTCHESON	.	10/07	10/09	10/01	10/06
MANOKIN	.	-13	-8	-14	-12
DT96-6840	.	0	-1	-1	-1
DT97-6308	.	-14	-6	-11	-11
K1424	.	0	-1	-1	-1
K1425	.	-2	-3	-1	-2
K1463	.	-1	-2	-1	-1
K1466	.	-6	-3	0	-4
LS96-1631	.	-6	-4	-10	-7
N96-7211	.	0	2	2	1
OK92-6508	.	1	-2	0	-1
OK96-7006	.	2	0	1	1
R95-2210	.	1	0	1	0
R96-1471	.	-9	-7	-8	-8
R96-3444	.	-1	-2	0	-1
R96-864	.	1	0	0	0
S96-2641	.	-2	-2	0	-2
S96-2692	.	-6	-5	0	-4
S96-3418	.	2	1	0	1
S97-1688	.	-2	-4	0	-3
TN93-99	.	-3	-3	-8	-5
TN94-213	.	-8	-4	-9	-8
TN96-58	.	-6	-2	1	-3
TN96-64	.	-4	-3	-9	-6
TN96-68	.	-12	-6	-11	-10
V93-3114	.	-5	-3	-1	-4
V95-0016	.	-5	-3	-1	-3
V95-0242	.	-9	-6	-11	-9
V95-0391	.	-3	-5	0	-3
Md 95-5260	.	-15	-8	-12	-12
N96-180	.	2	3	0	1
N96-556	.	2	3	2	2

TABLE 22 - Continued

STRAIN/ VARIETY	WEST				MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	
HUTCHESON	09/14	.	.	10/02	09/23
MANOKIN	-8	.	.	-4	-6
DT96-6840	-2	.	.	-2	-2
DT97-6308	-10	.	.	-4	-7
K1424	-2	.	.	6	2
K1425	2	.	.	6	4
K1463	5	.	.	-4	1
K1466	-4	.	.	2	-1
LS96-1631	-9	.	.	-1	-5
N96-7211	-5	.	.	3	-1
OK92-6508	14	.	.	7	10
OK96-7006	4	.	.	3	4
R95-2210	4	.	.	10	7
R96-1471	-4	.	.	0	-2
R96-3444	3	.	.	0	2
R96-864	-5	.	.	1	-2
S96-2641	4	.	.	0	2
S96-2692	3	.	.	-2	1
S96-3418	9	.	.	7	8
S97-1688	5	.	.	-4	1
TN93-99	-2	.	.	-1	-1
TN94-213	-7	.	.	-1	-4
TN96-58	-8	.	.	1	-4
TN96-64	-6	.	.	1	-2
TN96-68	-9	.	.	-1	-5
V93-3114	-1	.	.	-1	-1
V95-0016	-6	.	.	2	-2
V95-0242	-9	.	.	-4	-6
V95-0391	-5	.	.	-1	-3
Md 95-5260	-9	.	.	-4	-6
N96-180	2	.	.	3	2
N96-556	9	.	.	3	6

TABLE 23 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2000

EAST						
STRAIN/ VARIETY	GEORGETOWN DE	ORANGE VA	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	MEAN
HUTCHESON	39	32	.	33	33	34
MANOKIN	37	36	32	35	34	35
DT96-6840	38	40	38	38	41	39
DT97-6308	35	34	27	32	31	32
K1424	39	38	35	35	40	37
K1425	36	37	31	34	34	34
K1463	37	40	30	38	35	36
K1466	41	37	34	38	36	37
LS96-1631	42	36	30	36	34	36
N96-7211	35	33	31	35	32	33
OK92-6508	38	49	38	40	44	42
OK96-7006	46	43	32	41	47	42
R95-2210	39	40	34	37	37	37
R96-1471	36	35	31	36	34	34
R96-3444	37	38	29	35	34	34
R96-864	44	40	35	39	47	41
S96-2641	37	40	32	39	37	37
S96-2692	37	37	32	37	36	36
S96-3418	41	40	30	38	39	38
S97-1688	42	37	33	38	37	37
TN93-99	40	36	18	36	34	33
TN94-213	34	35	26	34	34	33
TN96-58	44	39	35	37	35	38
TN96-64	38	34	27	33	33	33
TN96-68	37	31	31	31	30	32
V93-3114	41	38	36	40	37	38
V95-0016	42	41	23	36	36	35
V95-0242	38	35	31	35	32	34
V95-0391	40	39	35	38	37	38
Md 95-5260	38	38	34	35	32	35
N96-180	44	44	38	42	44	42
N96-556	47	40	37	42	39	41

TABLE 23 - Continued

SOUTH

STRAIN/ VARIETY	BELLE†	CALHOUN GA	KNOX-	PRINCETON KY	SPRING-	STARK-	SUFFOLK†	ULLIN IL	MEAN
	MINA AL		VILLE TN		FIELD TN	VILLE MS				VA
HUTCHESON	28	26	34	41	25	26	20	38	32
MANOKIN	29	28	30	39	29	30	19	37	32
DT96-6840	31	32	36	41	34	35	25	39	36
DT97-6308	26	25	31	38	30	29	19	34	31
K1424	27	26	33	40	28	29	19	39	33
K1425	29	31	31	41	27	26	20	34	32
K1463	34	30	36	44	32	34	23	38	36
K1466	34	30	33	43	30	29	19	36	34
LS96-1631	29	28	30	41	26	30	18	34	32
N96-7211	28	24	27	39	28	26	18	36	30
OK92-6508	36	37	37	45	36	36	25	38	38
OK96-7006	34	30	40	44	28	37	26	36	36
R95-2210	33	31	33	41	30	34	22	38	35
R96-1471	29	27	30	41	28	26	20	36	31
R96-3444	29	24	29	41	30	30	20	33	31
R96-864	36	34	33	44	31	41	24	37	37
S96-2641	33	30	32	42	30	36	21	39	35
S96-2692	28	32	32	42	27	40	19	40	36
S96-3418	33	30	33	43	28	37	21	42	36
S97-1688	30	31	33	41	34	35	22	36	35
TN93-99	27	26	34	40	28	33	19	38	33
TN94-213	27	24	30	40	24	25	18	37	30
TN96-58	32	28	35	45	30	30	21	39	34
TN96-64	24	22	25	39	25	21	17	34	28
TN96-68	28	22	29	38	24	25	20	33	29
V93-3114	34	33	35	45	29	36	22	40	36
V95-0016	33	31	33	41	31	31	22	38	34
V95-0242	28	24	31	39	26	30	20	34	31
V95-0391	32	28	29	45	30	34	20	39	34
Md 95-5260	29	30	33	41	25	36	21	36	34
N96-180	35	33	37	46	34	35	19	41	38
N96-556	36	29	35	46	29	30	24	39	35

†Data not included in mean.

TABLE 23 - Continued

STRAIN/ VARIETY	DELTA				MEAN
	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS		
HUTCHESON	29	20	28		26
MANOKIN	31	20	24		25
DT96-6840	35	23	30		29
DT97-6308	28	20	16		21
K1424	33	18	18		23
K1425	31	20	22		24
K1463	31	20	19		24
K1466	31	20	24		25
LS96-1631	29	19	24		24
N96-7211	29	21	30		26
OK92-6508	35	23	23		27
OK96-7006	39	23	28		30
R95-2210	34	21	19		25
R96-1471	29	18	20		22
R96-3444	32	22	20		24
R96-864	35	24	23		27
S96-2641	35	25	23		28
S96-2692	32	20	20		24
S96-3418	34	24	22		27
S97-1688	33	21	21		25
TN93-99	31	20	18		23
TN94-213	29	19	18		22
TN96-58	32	20	18		23
TN96-64	27	19	24		23
TN96-68	26	18	16		20
V93-3114	35	23	29		29
V95-0016	31	20	19		23
V95-0242	30	20	21		24
V95-0391	33	22	20		25
Md 95-5260	31	21	31		28
N96-180	37	25	21		28
N96-556	36	23	26		28

TABLE 23 - Continued

STRAIN/ VARIETY	WEST				MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	
HUTCHESON	23	25	34	28	28
MANOKIN	27	32	37	25	30
DT96-6840	31	30	38	34	33
DT97-6308	26	27	33	26	28
K1424	24	26	40	26	29
K1425	24	28	37	25	29
K1463	28	33	41	30	33
K1466	25	34	41	25	31
LS96-1631	30	28	36	26	30
N96-7211	24	28	32	24	27
OK92-6508	36	36	45	29	37
OK96-7006	30	31	43	32	34
R95-2210	29	31	37	33	33
R96-1471	27	29	36	25	29
R96-3444	27	27	34	26	29
R96-864	32	33	40	35	35
S96-2641	31	31	39	32	33
S96-2692	31	30	36	29	31
S96-3418	36	30	39	29	34
S97-1688	29	29	39	28	31
TN93-99	26	26	34	27	28
TN94-213	25	28	33	23	27
TN96-58	27	31	38	31	32
TN96-64	25	26	29	22	25
TN96-68	22	27	33	19	25
V93-3114	35	36	38	36	36
V95-0016	28	34	36	24	30
V95-0242	27	29	35	22	28
V95-0391	32	34	39	30	34
Md 95-5260	29	29	34	25	29
N96-180	31	32	40	34	34
N96-556	30	34	39	32	34

TABLE 24 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP V, 2000

STRAIN/ VARIETY	EAST					MEAN
	GEORGETOWN DE	ORANGE VA	PLYMOUTH NC	QUEENSTOWN MD	WARSAW VA	
HUTCHESON	3	4	.	4	3	3
MANOKIN	5	3	2	4	3	3
DT96-6840	4	4	2	4	4	4
DT97-6308	4	3	2	4	4	3
K1424	2	2	1	3	3	2
K1425	3	3	1	4	2	3
K1463	3	4	2	4	3	3
K1466	4	3	2	4	3	3
LS96-1631	3	2	1	4	3	3
N96-7211	3	4	1	4	3	3
OK92-6508	5	4	3	4	3	4
OK96-7006	3	3	2	4	3	3
R95-2210	5	3	2	4	3	3
R96-1471	3	3	1	4	3	3
R96-3444	4	2	2	4	2	3
R96-864	4	3	3	4	4	4
S96-2641	3	3	2	4	3	3
S96-2692	5	3	1	4	3	3
S96-3418	5	4	2	4	3	3
S97-1688	4	3	2	4	3	3
TN93-99	3	3	1	4	3	3
TN94-213	3	2	1	4	3	3
TN96-58	3	3	1	4	3	3
TN96-64	2	2	1	4	3	2
TN96-68	3	3	2	4	3	3
V93-3114	3	3	1	4	3	3
V95-0016	3	3	2	4	3	3
V95-0242	2	2	1	4	3	2
V95-0391	3	3	1	4	3	3
Md 95-5260	5	3	1	4	3	3
N96-180	3	3	1	3	3	2
N96-556	4	3	2	4	3	3

TABLE 24 - Continued

STRAIN/ VARIETY	SOUTH								MEAN
	BELLE MINA† AL	CALHOUN GA	KNOXVILLE TN	PRINCETON KY	SPRINGFIELD TN	SUFFOLK† VA	ULLIN IL		
HUTCHESON	1	1	2	1	2	1	4	2	
MANOKIN	2	2	4	5	2	1	4	3	
DT96-6840	1	1	4	4	4	1	5	4	
DT97-6308	1	1	3	3	2	1	4	3	
K1424	1	1	2	1	2	1	3	2	
K1425	1	1	2	3	2	1	4	2	
K1463	2	1	3	4	3	1	4	3	
K1466	1	2	3	5	2	1	4	3	
LS96-1631	1	1	2	2	2	1	3	2	
N96-7211	1	1	2	2	3	1	3	2	
OK92-6508	2	2	4	5	3	1	4	4	
OK96-7006	1	1	2	3	2	1	4	2	
R95-2210	1	2	3	4	3	1	5	3	
R96-1471	1	1	2	1	2	1	4	2	
R96-3444	1	1	2	1	1	1	4	2	
R96-864	1	2	3	4	3	1	5	3	
S96-2641	1	1	2	2	2	1	4	2	
S96-2692	1	2	2	4	2	1	4	3	
S96-3418	1	1	3	4	2	1	5	3	
S97-1688	1	2	2	3	2	1	4	3	
TN93-99	1	1	2	2	2	1	4	2	
TN94-213	1	1	2	2	2	1	3	2	
TN96-58	1	1	2	3	2	1	3	2	
TN96-64	1	1	1	2	1	1	2	1	
TN96-68	1	1	2	3	2	1	4	2	
V93-3114	1	1	2	2	2	1	3	2	
V95-0016	1	2	3	3	2	1	4	3	
V95-0242	1	1	2	1	1	1	2	1	
V95-0391	1	1	2	4	2	1	3	2	
Md 95-5260	1	1	2	2	2	1	4	2	
N96-180	1	1	2	1	2	1	4	2	
N96-556	1	1	3	3	2	1	4	3	

†Data not included in mean.

TABLE 24 - Continued

STRAIN/ VARIETY	DELTA				MEAN
	PORTAGEVILLE MO(A)	PORTAGEVILLE MO(B)	STONEVILLE MS		
HUTCHESON	2	1	2		2
MANOKIN	2	2	2		2
DT96-6840	3	2	3		3
DT97-6308	1	2	2		2
K1424	1	1	2		1
K1425	1	2	2		2
K1463	1	2	2		2
K1466	2	2	2		2
LS96-1631	1	1	2		1
N96-7211	2	2	2		2
OK92-6508	3	2	2		2
OK96-7006	2	2	2		2
R95-2210	1	2	2		2
R96-1471	2	2	2		2
R96-3444	1	1	2		2
R96-864	2	2	2		2
S96-2641	1	2	2		2
S96-2692	2	2	2		2
S96-3418	2	2	2		2
S97-1688	2	2	2		2
TN93-99	2	1	2		2
TN94-213	1	1	2		1
TN96-58	1	2	2		2
TN96-64	1	1	2		1
TN96-68	2	1	2		2
V93-3114	2	2	2		2
V95-0016	2	2	2		2
V95-0242	1	1	2		1
V95-0391	1	1	2		1
Md 95-5260	1	2	2		2
N96-180	1	1	2		1
N96-556	2	1	2		2

TABLE 24 - Continued

STRAIN/ VARIETY	WEST				MEAN
	BOSSIER CITY LA	MCCUNE KS	PITTSBURG KS	STUTTGART AR	
HUTCHESON	1	1	1	2	1
MANOKIN	2	2	2	1	2
DT96-6840	1	1	2	2	2
DT97-6308	1	1	2	1	1
K1424	1	1	1	2	1
K1425	1	1	2	2	1
K1463	1	1	2	2	1
K1466	1	1	2	2	2
LS96-1631	1	1	1	1	1
N96-7211	1	1	1	2	1
OK92-6508	2	2	2	3	2
OK96-7006	1	1	1	2	1
R95-2210	1	1	2	2	2
R96-1471	1	1	2	1	1
R96-3444	1	1	1	1	1
R96-864	1	2	2	2	2
S96-2641	2	1	2	2	2
S96-2692	1	1	1	1	1
S96-3418	1	1	2	2	2
S97-1688	1	1	1	1	1
TN93-99	1	1	1	2	1
TN94-213	1	1	1	1	1
TN96-58	1	1	1	2	1
TN96-64	1	1	1	1	1
TN96-68	1	1	1	1	1
V93-3114	1	2	1	2	1
V95-0016	1	1	2	1	1
V95-0242	1	1	1	1	1
V95-0391	1	2	2	2	2
Md 95-5260	1	1	2	1	1
N96-180	1	1	1	2	1
N96-556	1	1	1	2	1

**TABLE 25 - SEED QUALITY FOR SEED/QUALITY GROWN IN UNIFORM GROUP V,
2000**

EAST

STRAIN/ VARIETY	ORANGE	PLYMOUTH	QUEENSTOWN	WARSAW	MEAN
	VA	NC	MD	VA	
HUTCHESON	1	.	1	1	1
MANOKIN	2	2	1	1	2
DT96-6840	1	2	1	2	1
DT97-6308	1	2	1	2	1
K1424	1	2	1	1	1
K1425	2	2	1	1	2
K1463	2	2	1	1	2
K1466	2	2	1	1	2
LS96-1631	1	2	1	1	1
N96-7211	1	2	1	1	1
OK92-6508	2	2	1	1	2
OK96-7006	1	3	1	2	2
R95-2210	2	3	1	1	2
R96-1471	2	2	1	2	2
R96-3444	2	2	1	1	2
R96-864	2	2	1	1	1
S96-2641	2	2	1	2	2
S96-2692	2	2	1	1	2
S96-3418	2	2	1	2	2
S97-1688	2	2	1	1	2
TN93-99	1	.	1	1	1
TN94-213	2	3	1	1	2
TN96-58	1	3	1	1	2
TN96-64	1	2	1	2	1
TN96-68	2	2	1	2	2
V93-3114	1	2	1	1	1
V95-0016	1	.	1	1	1
V95-0242	2	2	1	1	2
V95-0391	2	2	1	2	2
Md 95-5260	1	2	1	1	1
N96-180	2	2	1	2	2
N96-556	2	3	1	2	2

TABLE 25 - Continued

SOUTH

STRAIN/ VARIETY	BATON	BELLE†	CALHOUN GA	KNOXVILLE TN	PRINCETON KY	SPRINGFIELD TN	SUFFOLK†	ULLIN IL	MEAN
	ROUGE LA	MINA AL								VA
HUTCHESON	1	2	1	2	1	1	1	2	1
MANOKIN	2	1	2	2	2	2	2	2	2
DT96-6840	1	1	2	2	1	2	1	2	2
DT97-6308	1	1	1	2	2	2	1	2	2
K1424	2	1	1	2	2	2	1	2	2
K1425	1	2	1	2	3	2	1	2	2
K1463	1	1	2	1	3	2	1	3	2
K1466	2	1	2	2	3	2	1	2	2
LS96-1631	1	1	1	2	2	1	1	2	2
N96-7211	1	1	1	2	1	2	1	2	2
OK92-6508	2	2	2	2	4	2	1	4	3
OK96-7006	2	1	2	2	2	2	1	3	2
R95-2210	2	2	2	2	2	2	1	3	2
R96-1471	1	1	1	2	3	2	1	3	2
R96-3444	1	1	1	2	2	2	1	2	2
R96-864	2	1	2	1	2	1	1	3	2
S96-2641	2	1	2	2	2	2	1	2	2
S96-2692	1	2	2	2	3	2	1	2	2
S96-3418	2	1	3	2	4	2	1	3	3
S97-1688	2	1	1	2	2	2	1	2	2
TN93-99	1	1	1	2	2	1	2	2	2
TN94-213	2	1	1	2	3	2	1	2	2
TN96-58	1	1	1	2	1	2	1	2	2
TN96-64	2	1	2	1	2	2	2	2	2
TN96-68	2	1	2	2	3	2	2	2	2
V93-3114	1	2	1	1	1	.	1	2	1
V95-0016	1	1	1	2	2	2	1	2	2
V95-0242	2	1	1	1	2	2	1	2	2
V95-0391	2	1	2	2	2	2	1	2	2
Md 95-5260	2	2	1	2	2	1	1	2	2
N96-180	1	1	1	2	2	2	1	2	2
N96-556	2	1	2	2	2	2	1	4	2

†Data not included in mean.

TABLE 25 - Continued

DELTA

STRAIN/ VARIETY	PORTAGEVILLE	STONEVILLE	MEAN
	MO(A)	MS	
HUTCHESON	2	2	2
MANOKIN	2	2	2
DT96-6840	2	2	2
DT97-6308	2	2	2
K1424	2	2	2
K1425	2	2	2
K1463	2	2	2
K1466	2	2	2
LS96-1631	2	2	2
N96-7211	2	2	2
OK92-6508	2	2	2
OK96-7006	2	2	2
R95-2210	2	2	2
R96-1471	2	2	2
R96-3444	2	2	2
R96-864	2	2	2
S96-2641	2	2	2
S96-2692	2	2	2
S96-3418	2	2	2
S97-1688	2	2	2
TN93-99	2	2	2
TN94-213	1	2	2
TN96-58	2	2	2
TN96-64	2	2	2
TN96-68	2	2	2
V93-3114	2	2	2
V95-0016	2	2	2
V95-0242	2	2	2
V95-0391	1	2	2
Md 95-5260	2	2	2
N96-180	2	2	2
N96-556	2	2	2

TABLE 25 - Continued

WEST

STRAIN/ VARIETY	MCCUNE	PITTSBURG	MEAN
	KS	KS	
HUTCHESON	4	3	4
MANOKIN	3	4	4
DT96-6840	4	2	3
DT97-6308	3	3	3
K1424	5	4	5
K1425	4	3	4
K1463	4	5	5
K1466	4	4	4
LS96-1631	3	3	3
N96-7211	4	2	3
OK92-6508	5	3	4
OK96-7006	4	4	4
R95-2210	3	3	3
R96-1471	3	3	3
R96-3444	4	3	4
R96-864	4	5	5
S96-2641	3	3	3
S96-2692	4	3	4
S96-3418	5	5	5
S97-1688	4	3	4
TN93-99	3	3	3
TN94-213	3	2	3
TN96-58	3	2	3
TN96-64	3	3	3
TN96-68	2	4	3
V93-3114	3	3	3
V95-0016	3	4	4
V95-0242	3	3	3
V95-0391	2	4	3
Md 95-5260	3	3	3
N96-180	5	5	5
N96-556	4	5	5

PRELIMINARY GROUP V

2000

Preliminary Group V nurseries were planted at 10 locations. Data were obtained from 9 of these 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 26 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. HUTCHESON	V68-1034 X ESSEX	
2. MANOKIN	L70-L3048 X D74-7824	
3. DT97-3159	PI 494851 X Hutcheson	
4. K1503	HARTWIG X P9391	F5
5. K1504	N90-516 X MANOKIN	F5
6. K1505	N90-516 X MANOKIN	F5
7. K1506	HARTWIG X MANOKIN	F5
8. K1507	HARTWIG X P9391	F5
9. LS97-4103	S90-1435 X Manoki n	
10. LS97-4121	Pharaoh X LS92-1800	
11. Md 97-5361	Ky 88-4080 X D88-5547	F5
12. Md 97-6065	Manokin X Holladay	F5
13. Md 97-6590	Ky 88-5037 X Clifford	F5
14. N97-10023	N90-7199 X N91-8005	F4
15. N98-7892	N90-7199 X NTCPR92-40	F4
16. N98-8445	N91-8005 X COOK	F4
17. N98-8523	N91-8005 X COOK	F4
18. N98-8597	GRAHAM X 574485	F4
19. OK98-6102	HUTCHESON X CHOSKA	
20. OK98-6108	FORREST X HOLLADAY	
21. OK98-6109	FORREST X HOLLADAY	
22. OK98-6113	HUTCHESON X CHOSKA	
23. R95-1705	HUTCHESON X BARC-7	
24. R96-209	HOLLADAY X DP 415	
25. R96-3427	PI0 9592 X KS4895	
26. R96-503	PI0 9592 X HOLLADAY	
27. R97-1678	N90-516 X A5885	
28. S96-2805	S91-1855 X S91-1839	
29. S98-1783	Delsoy 5500 X Agratech 550	
30. S98-1796	P9591 X Delsoy 5500	
31. S98-1829	H5545 X S92-1069	
32. S98-1964	H5545 X S92-1495	
33. TN95-145	TN86-26 X TN86-5	
34. TN96-84	TN 5-95 X MANOKIN	
35. TN97-168	TN89-39 X MANOKIN	
36. TN97-271	N86-7687 X HUTCHESON	
37. TN98-162	TN88-44 X TN89-39	
38. V96-0310	Hutcheson X Clifford	
39. V96-0340	Hutcheson X Clifford	
40. V96-1772	KS5292 X Md87-5602	
41. V96-2630	V85-5344 X Md85-5443	
42. V96-3380	V85-5344 X Tracy M	
43. N98-74	N91-78 X SC89-181	F6
44. N98-293	N91-78 X SC89-181	F6
45. N98-670	N93-1264 X N93-1047	F6

**TABLE 27 - GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR
STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000
- MEAN OF 9 LOCATIONS**

STRAIN/ VARIETY	SEED	MAT.	LODGING	HEIGHT	QUALITY	SEED	----PERCENT----		SCN	SCN	SCN
	YIELD	INDEX				SIZE	PROTEIN	OIL	2	3	14
HUTCHESON	44.8	10/12	2	30	2	13.2	41.4	20.5	5.0	4.8	4.8
MANOKIN	50.5+	10-	3	33	2	12.1	41.5	19.9-	4.3	1.0	4.9
DT97-3159	48.2	2+	2	34	2	14.0	43.2+	19.3-	5.0	3.1	5.0
K1503	42.9	9-	2	32	2	14.5	41.7	19.7-	1.0	1.2	2.1
K1504	45.2	7-	3	32	2	12.3	40.8	19.3-	4.4	1.1	4.3
K1505	45.6	7-	3	31	2	13.2	40.7	19.2-	4.8	1.2	5.0
K1506	44.4	6-	3	32	2	12.5	41.4	18.8-	1.0	1.0	1.2
K1507	43.6	9-	2	30	2	13.7	41.3	18.7-	2.0	1.2	4.3
LS97-4103	46.3	6-	3	32	2	12.4	41.5	20.3	4.8	1.1	2.1
LS97-4121	42.8	10-	2	27	2	14.3	43.9+	19.0-	4.3	1.1	4.3
Md 97-5361	47.2	7-	2	31	2	14.7	43.6+	18.9-	5.0	1.3	2.7
Md 97-6065	51.5+	8-	2	31	2	12.6	40.3-	20.0-	5.0	2.0	4.5
Md 97-6590	51.0+	7-	2	31	2	15.3	41.8	19.4-	4.9	4.4	4.7
N97-10023	39.2-	5+	2	32	2	13.0	41.7	20.1	5.0	4.0	4.8
N98-7892	35.2-	9+	3	38	3	14.1	43.6+	19.1-	5.0	4.8	4.5
N98-8445	40.1-	2+	2	33	2	14.1	42.9+	20.0-	5.0	4.5	4.6
N98-8523	38.6-	3+	2	33	2	14.0	42.0	20.2	4.8	4.7	4.5
N98-8597	36.7-	2+	4	41	2	12.6	41.2	19.3-	5.0	4.0	4.4
OK98-6102	42.1	5+	2	33	2	12.8	41.4	20.1	5.0	1.3	2.7
OK98-6108	44.9	6+	2	35	2	13.0	40.2-	19.4-	5.0	4.3	4.1
OK98-6109	41.8	8+	3	35	3	14.2	42.3	19.5-	5.0	4.5	3.2
OK98-6113	44.4	4+	2	31	2	13.8	41.8	20.3	4.6	1.8	2.1
R95-1705	43.2	4-	2	31	2	13.9	47.9+	16.6-	4.9	4.0	5.0
R96-209	48.1	5-	2	33	2	13.4	41.4	19.8-	4.8	4.3	4.7
R96-3427	46.6	1-	2	34	2	13.6	40.9	19.5-	4.7	4.0	4.6
R96-503	47.5	2+	2	35	2	15.4	41.2	20.0-	4.7	4.7	5.0
R97-1678	48.3	5+	2	33	2	13.6	42.4	20.7	4.1	2.9	5.0
S96-2805	41.6	5+	2	35	2	11.2	42.5+	18.6-	1.3	2.0	3.9
S98-1783	41.4	4+	2	40	3	14.6	44.1+	18.9-	1.7	2.7	1.4
S98-1796	42.6	2+	2	34	3	13.8	43.0+	19.0-	1.7	4.2	5.0
S98-1829	43.2	1+	3	37	2	12.4	44.0+	18.1-	1.0	1.1	2.8
S98-1964	43.9	0	2	36	2	11.8	41.5	19.2-	1.3	1.2	3.3
TN95-145	45.4	8-	2	33	2	11.9	42.5+	19.0-	5.0	4.5	5.0
TN96-84	47.6	5-	2	31	2	12.4	40.3-	19.9-	4.7	1.0	4.6
TN97-168	44.0	4-	2	28	2	12.4	41.7	19.1-	4.1	1.1	5.0
TN97-271	49.7+	0	2	31	2	12.2	42.8+	20.0-	4.9	3.6	4.9
TN98-162	47.9	0	3	37	2	15.0	42.0	20.6	5.0	1.0	2.6
V96-0310	48.3	3-	2	34	2	14.5	41.8	19.8-	5.0	3.9	4.9
V96-0340	51.8+	6-	2	31	2	14.4	41.8	19.9-	5.0	4.4	5.0
V96-1772	48.9	11-	2	27	2	10.5	44.1+	19.2-	5.0	1.0	5.0
V96-2630	47.8	10-	2	27	2	11.1	44.1+	19.4-	5.0	4.5	4.9
V96-3380	46.0	6-	2	28	2	11.5	44.6+	19.0-	5.0	4.8	4.9
N98-74	49.8+	9-	3	29	2	13.3	41.6	19.5-	5.0	4.3	5.0
N98-293	47.8	4-	3	34	2	13.0	41.9	18.8-	5.0	1.7	3.5
N98-670	42.0	3-	2	30	2	11.0	43.4+	19.1-	5.0	4.1	4.9
OVERALL MEAN	45.1						42.3	19.4			
L. S. D (.05)	4.5						1.1	0.5			
C. V.	11%						3%	3%			

TABLE 28 - SEED YIELD IN BUSHELS PER ACRE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/ VARIETY	JACKSON TN	KEISER AR	MCCUNE KS	PLYMOUTH NC	PORTAGE-			ULLIN IL	WARSAW VA	MEAN
					VILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS			
HUTCHESON	52.5	47.2	20.1	26.8	57.8	54.8	39.6	45.7	59.1	44.8
MANOKIN	55.6	49.5	21.2	49.6+	54.6	53.0	50.0	59.3+	61.4	50.5+
DT97-3159	54.4	46.8	18.0-	41.3+	56.1	63.4	43.1	52.9	57.9	48.2
K1503	44.0	39.5-	18.7	48.5+	48.2-	48.4	37.4	48.9	53.0	42.9
K1504	38.7	46.4	18.9	44.8+	49.2-	46.3	47.6	58.4+	56.5	45.2
K1505	43.5	45.5	17.9-	45.6+	51.4-	55.8	34.9	58.0+	57.7	45.6
K1506	48.4	38.8-	19.8	46.1+	51.4-	61.0	40.0	39.2	55.2	44.4
K1507	46.8	43.1	19.2	50.2+	46.4-	49.6	35.4	44.9	56.9	43.6
LS97-4103	57.9	40.4	18.1-	44.3+	47.7-	55.4	38.4	56.7+	58.1	46.3
LS97-4121	34.9-	46.6	19.3	32.1	48.9-	52.2	43.4	56.2+	51.8-	42.8
Md 97-5361	48.8	47.2	18.4-	50.7+	47.9-	57.6	43.5	51.8	59.0	47.2
Md 97-6065	59.3	47.5	21.6	48.6+	46.4-	66.2	54.8+	55.4+	64.1	51.5+
Md 97-6590	57.0	47.3	24.3+	47.2+	46.7-	68.2+	52.7+	58.9+	56.9	51.0+
N97-10023	48.7	36.3-	7.4-	37.5+	44.5-	47.9	39.3	39.2	52.3-	39.2-
N98-7892	36.2-	41.3	10.7-	28.2	42.7-	51.5	22.6-	33.5-	50.0-	35.2-
N98-8445	49.5	42.7	9.1-	37.5+	40.5-	46.8	41.0	41.7	52.6	40.1-
N98-8523	50.4	42.6	6.6-	33.4	37.3-	47.0	36.4	42.3	51.6-	38.6-
N98-8597	26.5-	39.0-	15.9-	36.3+	37.8-	49.5	27.4-	40.7	57.1	36.7-
OK98-6102	48.9	42.9	15.5-	45.3+	43.7-	48.8	36.8	40.4	56.9	42.1
OK98-6108	51.0	39.1-	21.8	34.8+	48.9-	49.4	43.6	55.0+	61.1	44.9
OK98-6109	44.9	41.5	17.2-	36.9+	54.6	48.5	38.0	39.0	55.5	41.8
OK98-6113	56.3	36.2-	18.9	42.5+	50.1-	54.5	41.2	40.1	59.3	44.4
R95-1705	43.9	48.3	18.1-	35.2+	47.9-	43.0	44.1	52.5	55.7	43.2
R96-209	57.3	48.9	21.6	39.8+	46.4-	56.5	44.6	56.6+	60.9	48.1
R96-3427	54.2	50.4	19.6	40.5+	53.4	49.9	43.6	51.4	56.1	46.6
R96-503	53.1	46.4	22.2+	37.3+	51.9	61.1	43.9	53.0+	59.0	47.5
R97-1678	58.4	48.5	16.8-	44.9+	59.0	49.8	49.5	51.5	56.0	48.3
S96-2805	52.0	42.3	13.6-	40.7+	55.3	46.3	36.0	37.4-	50.6-	41.6
S98-1783	55.3	35.2-	11.1-	35.8+	53.4	52.6	33.1	43.8	52.8	41.4
S98-1796	48.3	41.1	19.8	37.9+	48.4-	49.5	37.4	47.2	54.0	42.6
S98-1829	58.5	38.7-	15.2-	44.3+	52.9	44.0	43.7	40.7	51.1-	43.2
S98-1964	60.2	40.1-	16.9-	45.4+	54.1	47.2	45.7	35.3-	50.2-	43.9
TN95-145	55.4	39.5-	19.8	37.2+	45.0-	54.6	55.5+	47.4	54.1	45.4
TN96-84	61.0	43.5	20.4	37.5+	50.1-	55.5	45.7	60.8+	54.2	47.6
TN97-168	44.7	42.8	20.3	39.4+	48.2-	51.8	46.3	50.2	52.1-	44.0
TN97-271	61.4	48.1	17.3-	38.2+	53.6	63.4	48.3	56.3+	61.0	49.7+
TN98-162	54.7	40.2	20.3	50.8+	51.6	57.0	48.4	48.4	59.5	47.9
V96-0310	58.5	42.3	18.2-	47.7+	53.4	59.6	50.4	45.8	59.3	48.3
V96-0340	58.9	53.8	20.5	34.6+	56.1	59.4	62.0+	61.9+	59.3	51.8+
V96-1772	55.2	45.4	21.4	47.1+	48.7-	57.7	48.6	59.5+	56.7	48.9
V96-2630	60.0	54.5+	21.6	47.9+	41.7-	51.1	46.2	53.8+	53.0	47.8
V96-3380	58.5	41.7	19.7	43.3+	44.0-	56.8	39.8	49.1	61.1	46.0
N98-74	54.6	50.1	18.0-	46.1+	55.8	59.6	48.5	59.9+	56.0	49.8+
N98-293	58.0	39.4-	19.4	42.2+	47.7-	57.3	45.7	64.9+	55.8	47.8
N98-670	47.6	47.1	18.4-	28.8	46.9-	48.9	37.4	52.5	50.8-	42.0
L. S. D. (0.05)	15.0	7.0	1.7	7.5	6.3	11.8	11.9	7.2	6.7	4.5
C. V. (%)	14.4	7.4	5.6	9.0	6.3	11.0	13.7	7.2	6.0	10.8

**TABLE 29 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V,
2000**

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	20.1	20.9	21.8	21.2	19.3	20.0	20.3	20.2	20.5
MANOKIN	20.4	20.5	19.9	20.3	18.3	19.8	20.3	19.3	19.9
DT97-3159	19.0	19.2	20.1	19.6	18.5	19.4	19.0	19.5	19.3
K1503	20.4	18.8	19.7	20.2	18.1	21.2	19.9	19.5	19.7
K1504	19.9	18.4	19.9	19.8	17.6	20.5	19.4	18.5	19.3
K1505	19.7	19.7	19.5	19.9	17.5	20.1	19.1	18.1	19.2
K1506	19.1	18.5	19.0	18.5	18.1	19.5	18.6	18.7	18.8
K1507	19.3	17.7	18.7	19.3	17.1	20.2	18.8	18.8	18.7
LS97-4103	20.3	20.8	20.4	20.9	19.0	20.5	20.4	19.8	20.3
LS97-4121	19.5	17.8	19.3	19.5	17.5	19.7	20.7	18.3	19.0
Md 97-5361	19.1	18.2	19.0	19.4	17.8	18.8	19.9	18.9	18.9
Md 97-6065	20.1	20.6	20.0	20.0	18.8	20.3	20.6	19.2	20.0
Md 97-6590	20.0	19.0	19.4	20.0	17.9	19.8	20.0	18.9	19.4
N97-10023	20.6	20.6	20.5	20.5	18.8	20.3	19.7	19.9	20.1
N98-7892	20.5	18.8	19.4	19.4	17.8	18.5	19.4	18.6	19.1
N98-8445	20.3	20.0	20.1	20.8	18.5	20.5	20.0	19.5	20.0
N98-8523	19.2	22.7	21.2	19.5	18.7	20.0	20.5	20.0	20.2
N98-8597	19.8	19.0	20.4	19.8	18.7	18.8	19.1	19.0	19.3
OK98-6102	20.0	21.1	20.5	19.9	18.6	20.5	20.6	19.3	20.1
OK98-6108	20.0	19.1	20.2	19.9	17.6	20.1	19.5	18.9	19.4
OK98-6109	19.3	19.7	19.5	20.4	17.9	20.3	19.4	19.6	19.5
OK98-6113	20.9	21.2	21.0	20.7	19.0	21.2	20.3	18.3	20.3
R95-1705	15.7	16.5	17.6	16.5	16.1	15.8	17.1	17.6	16.6
R96-209	19.9	19.2	20.3	20.5	18.9	20.1	20.0	19.2	19.8
R96-3427	19.5	20.5	20.3	19.7	18.0	19.4	19.2	19.3	19.5
R96-503	20.0	20.5	20.6	20.6	18.4	21.2	20.0	19.0	20.0
R97-1678	21.6	21.0	21.5	21.2	19.0	21.6	20.2	19.2	20.7
S96-2805	18.6	20.2	18.6	18.7	17.6	19.2	18.1	18.1	18.6
S98-1783	18.6	19.7	19.5	19.9	18.2	18.4	18.9	17.9	18.9
S98-1796	18.9	20.0	19.4	20.2	17.8	18.2	18.7	18.6	19.0
S98-1829	18.5	18.2	18.0	18.4	16.9	19.3	.	17.3	18.1
S98-1964	19.2	19.8	18.8	19.9	18.2	20.7	18.5	18.1	19.2
TN95-145	19.2	18.9	19.1	19.1	18.1	19.5	19.1	19.0	19.0
TN96-84	20.0	19.6	20.5	19.5	18.8	20.1	20.6	19.8	19.9
TN97-168	19.2	20.0	20.0	19.4	17.5	19.4	18.6	18.7	19.1
TN97-271	19.7	20.2	20.1	20.7	19.0	20.8	20.0	19.4	20.0
TN98-162	21.1	20.2	20.5	22.0	19.4	21.4	20.3	19.9	20.6
V96-0310	19.7	19.3	19.7	20.3	18.8	19.7	20.4	20.1	19.8
V96-0340	19.8	19.9	20.1	20.6	18.3	20.5	20.5	19.7	19.9
V96-1772	19.4	18.9	19.4	18.3	18.8	19.3	20.3	19.4	19.2
V96-2630	19.4	19.1	19.5	19.4	18.8	19.9	19.9	19.5	19.4
V96-3380	19.1	18.4	19.0	19.4	18.4	19.4	19.0	19.5	19.0
N98-74	19.7	18.5	20.0	19.8	18.1	20.5	20.1	19.0	19.5
N98-293	19.0	18.3	19.2	19.1	17.8	19.7	19.2	18.4	18.8
N98-670	19.7	19.7	19.6	19.1	17.6	19.6	19.0	18.7	19.1

TABLE 30 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	41.9	42.1	37.9	41.2	41.5	42.2	41.9	42.7	41.4
MANOKIN	41.0	41.8	40.4	41.1	40.7	44.5	40.8	41.9	41.5
DT97-3159	43.9	44.9	40.9	43.5	43.0	41.9	43.1	44.0	43.2
K1503	41.1	43.6	41.1	41.5	40.9	42.2	41.7	41.5	41.7
K1504	40.3	41.6	39.8	40.6	40.3	40.8	40.4	42.3	40.8
K1505	40.0	38.6	40.7	41.3	40.1	41.5	40.8	42.3	40.7
K1506	41.7	39.6	41.3	41.0	39.9	42.7	42.0	42.6	41.4
K1507	40.6	42.9	40.5	40.9	41.5	41.9	39.5	42.2	41.3
LS97-4103	42.0	41.2	41.3	39.6	40.7	42.0	42.1	42.8	41.5
LS97-4121	44.7	45.6	43.7	43.1	43.3	45.1	40.9	44.7	43.9
Md 97-5361	43.5	44.2	43.6	42.2	43.3	46.0	42.0	43.7	43.6
Md 97-6065	40.1	38.7	39.0	40.0	40.3	41.8	40.6	41.9	40.3
Md 97-6590	40.9	40.5	41.6	41.0	42.2	44.2	41.2	42.7	41.8
N97-10023	41.0	41.4	41.0	41.0	42.4	42.4	41.3	42.7	41.7
N98-7892	42.4	48.0	42.6	42.8	40.5	46.0	43.1	43.4	43.6
N98-8445	42.3	42.2	42.3	41.6	44.4	43.4	42.2	45.0	42.9
N98-8523	42.3	38.8	40.2	43.0	42.9	43.7	41.9	43.2	42.0
N98-8597	41.9	42.4	36.6	40.7	41.7	42.4	40.3	43.4	41.2
OK98-6102	40.8	40.6	40.4	43.3	41.6	42.2	40.3	42.1	41.4
OK98-6108	39.7	41.4	37.1	40.2	39.8	41.1	40.2	41.8	40.2
OK98-6109	42.5	43.9	42.2	41.1	42.0	43.4	41.7	41.7	42.3
OK98-6113	41.9	41.3	40.1	41.6	41.5	43.3	41.1	43.2	41.8
R95-1705	49.2	47.6	46.1	47.8	48.7	49.8	47.4	46.5	47.9
R96-209	41.9	41.5	39.3	40.6	42.5	42.5	40.5	42.6	41.4
R96-3427	41.3	35.9	39.0	41.6	42.6	42.9	41.5	42.0	40.9
R96-503	41.6	39.1	40.5	41.5	41.9	41.4	41.2	42.3	41.2
R97-1678	41.9	42.0	41.2	42.6	42.6	43.3	43.1	42.5	42.4
S96-2805	41.9	43.5	41.7	43.4	40.8	42.3	43.2	43.5	42.5
S98-1783	44.1	48.1	41.6	42.7	42.8	45.9	43.8	43.9	44.1
S98-1796	43.9	41.8	41.1	43.0	42.7	46.8	43.0	41.6	43.0
S98-1829	43.5	44.9	43.8	43.6	43.5	44.9	.	44.0	44.0
S98-1964	42.1	42.0	41.3	40.3	40.5	41.0	42.0	42.9	41.5
TN95-145	43.5	41.6	41.0	44.0	41.4	44.0	41.9	42.5	42.5
TN96-84	41.0	40.6	37.7	40.4	41.3	41.0	39.9	40.2	40.3
TN97-168	42.0	40.8	40.0	42.1	41.6	44.0	41.8	41.6	41.7
TN97-271	42.6	44.7	40.9	41.4	42.8	43.0	43.5	43.5	42.8
TN98-162	42.4	41.8	41.4	39.5	42.7	42.3	42.6	43.5	42.0
V96-0310	41.8	42.1	41.6	41.9	42.1	42.6	41.2	41.4	41.8
V96-0340	41.6	42.6	41.3	40.3	43.4	41.1	41.6	42.5	41.8
V96-1772	43.4	45.3	43.6	45.5	42.8	45.3	42.4	44.3	44.1
V96-2630	44.0	45.3	44.0	44.1	43.1	44.7	43.6	44.3	44.1
V96-3380	44.7	44.0	43.8	44.3	44.5	45.7	45.9	43.9	44.6
N98-74	42.4	41.1	39.8	41.7	41.7	41.5	41.4	43.0	41.6
N98-293	41.4	40.4	40.9	41.2	41.7	43.7	42.5	43.0	41.9
N98-670	42.5	42.0	41.2	44.2	44.2	44.4	44.1	44.3	43.4

TABLE 31 - SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	WARSAW VA	MEAN
HUTCHESON	13.9	10.8	13.5	12.3	16.7	11.9	15.2	13.2
MANOKIN	12.5	10.4	12.7	10.6	14.1	12.3	13.0	12.1
DT97-3159	14.4	12.1	14.1	13.4	16.5	11.4	18.1	14.0
K1503	17.3	11.1	18.5	13.9	17.5	14.8	16.4	14.5
K1504	12.3	10.8	14.5	10.6	13.2	11.8	13.7	12.3
K1505	13.0	11.2	14.8	12.3	15.2	12.1	14.6	13.2
K1506	12.6	10.1	14.1	11.4	14.6	10.8	15.5	12.5
K1507	14.8	10.4	15.2	12.4	16.0	13.9	15.5	13.7
LS97-4103	13.6	10.7	13.3	11.2	14.1	11.4	13.3	12.4
LS97-4121	14.7	9.9	18.1	12.4	16.7	13.7	16.2	14.3
Md 97-5361	15.2	11.7	16.0	12.3	17.3	14.2	16.8	14.7
Md 97-6065	12.3	10.6	13.2	10.8	15.5	12.0	14.2	12.6
Md 97-6590	16.8	13.7	15.8	13.7	17.9	14.0	15.9	15.3
N97-10023	13.7	11.2	14.3	11.9	16.1	11.3	15.4	13.0
N98-7892	16.3	12.6	15.6	14.3	18.2	10.9	18.2	14.1
N98-8445	15.5	11.0	15.5	12.3	17.0	13.3	16.3	14.1
N98-8523	14.6	10.8	15.5	11.5	18.5	12.4	16.9	14.0
N98-8597	12.1	12.5	11.5	12.0	15.7	11.0	15.4	12.6
OK98-6102	11.3	11.6	13.8	12.0	15.1	10.7	17.4	12.8
OK98-6108	13.8	10.8	12.3	12.9	14.7	12.1	15.1	13.0
OK98-6109	13.9	11.4	15.4	13.3	17.0	12.1	18.4	14.2
OK98-6113	13.5	11.1	15.3	11.8	16.1	12.9	18.6	13.8
R95-1705	14.3	11.1	15.1	13.8	15.8	12.1	16.3	13.9
R96-209	14.7	11.1	12.7	12.9	15.7	12.0	15.7	13.4
R96-3427	14.8	11.5	14.4	12.8	15.2	12.2	15.0	13.6
R96-503	15.2	12.1	15.9	13.8	18.6	14.4	18.6	15.4
R97-1678	13.2	11.8	15.0	12.1	18.1	13.0	17.8	13.6
S96-2805	11.0	10.0	11.8	10.7	12.2	9.0	14.9	11.2
S98-1783	14.8	10.3	17.0	14.1	17.5	11.2	18.6	14.6
S98-1796	14.6	12.0	14.2	12.9	15.6	12.0	15.9	13.8
S98-1829	12.3	11.2	12.8	11.6	14.7	10.8	15.4	12.4
S98-1964	11.3	10.4	12.2	10.7	14.3	11.0	14.7	11.8
TN95-145	13.5	10.9	12.8	12.1	14.1	11.9	13.7	11.9
TN96-84	14.4	10.5	12.3	11.2	14.2	10.6	13.6	12.4
TN97-168	13.1	11.5	13.6	11.7	14.6	11.1	13.0	12.4
TN97-271	12.7	10.3	11.9	11.3	15.0	10.8	14.3	12.2
TN98-162	16.0	12.1	13.5	14.4	18.0	14.0	17.7	15.0
V96-0310	15.2	12.8	15.0	13.8	16.7	13.7	16.2	14.5
V96-0340	16.4	11.4	15.1	14.0	15.6	13.5	14.9	14.4
V96-1772	11.9	7.9	10.9	9.5	11.5	9.9	10.9	10.5
V96-2630	12.2	10.8	12.6	10.0	10.9	11.2	11.1	11.1
V96-3380	12.5	10.3	11.0	10.2	13.4	11.6	12.8	11.5
N98-74	12.6	10.7	14.0	12.0	16.0	12.3	14.6	13.3
N98-293	13.6	11.3	13.8	11.2	15.1	12.8	14.0	13.0
N98-670	11.8	10.3	10.5	9.4	12.3	9.7	13.8	11.0

TABLE 32 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	31	27	.	34	33	23	29	35	30
MANOKIN	28	38	31	26	37	28	40	34	33
DT97-3159	32	30	34	34	38	30	33	43	34
K1503	34	31	31	29	35	24	36	36	32
K1504	27	34	30	31	36	25	40	32	32
K1505	29	33	26	30	36	30	34	32	31
K1506	33	32	28	30	37	23	41	31	32
K1507	30	29	27	30	38	19	33	33	30
LS97-4103	32	31	30	32	35	26	40	34	32
LS97-4121	30	31	25	26	31	19	27	31	27
Md 97-5361	33	29	29	29	36	22	37	32	31
Md 97-6065	28	31	31	25	32	24	44	32	31
Md 97-6590	33	32	32	27	37	24	29	34	31
N97-10023	31	32	33	31	38	26	30	33	32
N98-7892	35	42	40	39	39	26	48	37	38
N98-8445	34	33	38	37	39	19	31	37	33
N98-8523	35	35	39	33	40	23	29	34	33
N98-8597	43	40	42	55	43	18	49	43	41
OK98-6102	35	32	37	31	36	24	34	38	33
OK98-6108	34	37	36	35	42	29	31	38	35
OK98-6109	40	34	31	39	37	22	43	38	35
OK98-6113	37	31	32	34	36	17	28	34	31
R95-1705	37	30	28	28	37	14	43	34	31
R96-209	37	38	28	31	36	21	39	35	33
R96-3427	39	30	31	35	38	21	42	37	34
R96-503	37	39	32	34	42	20	40	41	35
R97-1678	37	30	32	33	38	21	40	36	33
S96-2805	39	32	35	36	36	26	42	35	35
S98-1783	43	32	34	41	46	39	41	42	40
S98-1796	34	32	33	33	43	24	38	36	34
S98-1829	41	37	35	36	37	26	43	38	37
S98-1964	38	33	31	36	42	24	47	41	36
TN95-145	36	34	33	34	37	24	36	31	33
TN96-84	34	31	27	30	36	20	37	33	31
TN97-168	29	30	24	31	32	17	34	31	28
TN97-271	34	30	26	32	36	22	35	34	31
TN98-162	42	34	37	37	40	29	42	36	37
V96-0310	37	32	35	35	41	26	35	34	34
V96-0340	33	29	27	34	40	19	36	34	31
V96-1772	29	29	27	27	33	17	29	29	27
V96-2630	29	27	24	26	31	18	28	30	27
V96-3380	30	30	27	30	33	14	32	32	28
N98-74	31	32	28	29	34	22	29	31	29
N98-293	39	39	30	29	39	21	39	34	34
N98-670	27	30	30	30	34	17	36	36	30

**TABLE 33 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V,
2000**

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	2	1	.	2	3	2	2	2	2
MANOKIN	2	3	2	2	4	2	3	4	3
DT97-3159	3	1	1	1	4	2	2	4	2
K1503	1	2	1	2	4	2	3	3	2
K1504	3	3	3	2	5	2	4	4	3
K1505	3	3	2	2	5	2	3	3	3
K1506	2	2	1	2	4	2	5	3	3
K1507	2	1	1	1	4	2	2	4	2
LS97-4103	2	2	1	3	4	2	4	4	3
LS97-4121	3	2	1	1	4	2	2	4	2
Md 97-5361	2	2	1	1	4	2	3	3	2
Md 97-6065	2	1	2	1	4	2	3	4	2
Md 97-6590	2	1	1	1	4	2	1	3	2
N97-10023	1	1	1	2	4	2	2	3	2
N98-7892	3	3	2	2	4	4	3	4	3
N98-8445	2	1	2	2	4	2	2	3	2
N98-8523	2	1	2	2	4	2	2	3	2
N98-8597	5	2	3	4	4	5	3	4	4
OK98-6102	2	1	1	2	4	2	2	3	2
OK98-6108	2	2	1	2	3	2	2	3	2
OK98-6109	3	1	2	3	4	2	3	3	3
OK98-6113	2	1	1	2	4	2	1	3	2
R95-1705	2	1	1	2	4	2	2	3	2
R96-209	2	2	1	1	4	2	2	4	2
R96-3427	1	1	1	1	3	2	2	2	2
R96-503	1	2	1	2	4	2	3	4	2
R97-1678	2	1	2	2	4	2	3	2	2
S96-2805	3	1	2	2	4	2	4	3	2
S98-1783	3	1	2	2	3	2	3	3	2
S98-1796	2	1	1	2	4	2	3	3	2
S98-1829	3	2	2	3	4	2	3	3	3
S98-1964	2	1	2	2	4	2	5	3	2
TN95-145	2	2	1	2	4	2	2	3	2
TN96-84	2	1	1	1	4	2	3	4	2
TN97-168	3	1	2	2	4	2	3	4	2
TN97-271	2	1	1	1	4	2	3	2	2
TN98-162	3	2	2	3	4	3	4	3	3
V96-0310	2	1	1	1	3	2	3	3	2
V96-0340	2	1	1	1	4	2	3	3	2
V96-1772	1	1	1	1	3	2	1	3	2
V96-2630	2	1	1	1	4	2	2	2	2
V96-3380	2	1	1	2	4	2	3	3	2
N98-74	3	2	2	1	4	2	4	4	3
N98-293	3	2	3	2	4	2	2	3	3
N98-670	2	2	1	1	4	2	2	3	2

TABLE 34 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP V, 2000

STRAIN/ VARIETY	JACKSON TN	MCCUNE KS	PLYMOUTH NC	PORTAGEVILLE MO(A)	QUEENSTOWN MD	STONEVILLE MS	ULLIN IL	WARSAW VA	MEAN
HUTCHESON	2	5	1	2	1	2	2	1	2
MANOKIN	3	3	2	2	1	2	2	2	2
DT97-3159	2	5	1	2	1	2	2	2	2
K1503	3	4	2	2	1	2	2	2	2
K1504	2	3	2	2	1	2	3	2	2
K1505	2	3	2	2	1	2	2	2	2
K1506	2	2	1	2	1	2	2	2	2
K1507	3	3	2	2	1	2	3	2	2
LS97-4103	2	3	1	2	1	2	2	1	2
LS97-4121	2	2	3	2	1	2	2	2	2
Md 97-5361	3	3	1	2	1	2	2	2	2
Md 97-6065	2	3	1	2	1	2	2	2	2
Md 97-6590	2	4	1	2	1	2	2	2	2
N97-10023	2	5	1	2	1	2	4	2	2
N98-7892	3	5	2	2	1	2	4	1	3
N98-8445	2	5	2	2	1	2	3	2	2
N98-8523	2	5	2	2	1	2	2	2	2
N98-8597	3	4	2	2	1	2	4	2	2
OK98-6102	3	5	2	2	1	2	3	2	2
OK98-6108	2	2	2	2	1	2	3	2	2
OK98-6109	3	4	3	2	1	2	4	2	3
OK98-6113	2	5	2	2	1	2	3	1	2
R95-1705	2	3	2	2	1	2	2	1	2
R96-209	2	3	3	2	1	2	2	2	2
R96-3427	2	4	2	2	1	2	3	1	2
R96-503	3	3	2	2	1	2	3	2	2
R97-1678	2	5	2	2	2	2	3	2	2
S96-2805	2	4	2	2	1	2	2	2	2
S98-1783	3	5	3	2	1	2	2	2	3
S98-1796	3	5	3	2	1	2	3	2	3
S98-1829	1	4	3	2	1	2	4	2	2
S98-1964	2	5	3	2	1	2	1	2	2
TN95-145	2	2	2	2	1	2	2	2	2
TN96-84	2	3	3	2	1	2	2	2	2
TN97-168	2	3	2	2	1	2	2	2	2
TN97-271	2	4	2	2	1	2	2	2	2
TN98-162	2	3	2	2	1	2	3	2	2
V96-0310	2	5	3	2	1	2	3	2	2
V96-0340	2	3	2	2	1	2	2	2	2
V96-1772	1	3	2	2	1	2	2	1	2
V96-2630	1	3	1	2	1	2	2	1	2
V96-3380	2	2	1	2	1	2	2	1	2
N98-74	1	2	2	2	1	2	3	2	2
N98-293	2	3	3	2	1	2	3	1	2
N98-670	2	2	1	2	1	2	2	1	2

UNIFORM GROUP VI

2000

Uniform Group VI nurseries were planted at 22 locations. Data were obtained from 19 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,
2000**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	CENTENNIAL X YOUNG	
2. BOGGS	G81-152 X COKER 6738	
3. Au94-507	Dillon X N85-492	F6
4. Au96-1353	Carver X N90-516	F6
5. G95-179	G86-1434 X G86-1267	F5d
6. N96-6783	N91-7202 X N90-7199	F4
7. N96-6800	N90-7202 X N90-7199	F4
8. N97-9812	N90-7199 X N91-7254	F4
9. OK92-6524	MILES X LEE 74	
10. OK93-5907	SOHOMA X FORREST	
11. R96-1559	A6297 X A5403	
12. R96-1939	HUTCHESON X COKER 6955	
13. R96-3538	A5403 X DILLON	
14. SC94-1075	COKER 6847 X G83-198	F5
15. SC95-1070	NK' S S83-30 X MANOKIN	F5
16. SC96-1624	SC89-181 X NK' S S75-55	F5
17. TN91-220-53	HUTCHESON X TN5-85	
18. TN93-142-17	HUTCHESON X TN85-55 X TN83-26	
19. VS95-154	[PI 159319 X Essex (2)] X [PI 96089 X Essex (2)]	F6
20. VS95-78	[PI 96089 X Essex (2)] X [L760132 X Essex (2)]	F6
21. VS97-318	L76-0132 X ESSEX(2)	F6
22. VS97-349	PI 96089 X ESSEX (2)	F6
23. N97-61	N90-541 X N90-1101	F6
24. N97-3525	N93-132 X [Brim(2) X (N88-431(2) X N35-2-19)]	F3

**TABLE 36 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VI, 2000**

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	2000	99-00	98-00	2000	99-00	98-00	2000	99-00	98-00
DILLON	41.0	42.0	40.8	42.7	42.4	42.6	19.6	19.6	19.7
BOGGS	40.8	42.3	41.8	42.1	42.6	42.8	19.6	19.6	19.8
Au94-507	37.3	40.2	.	41.0	41.0	.	20.4	20.3	.
Au96-1353	41.5	.	.	42.0	.	.	20.1	.	.
G95-179	43.2	.	.	41.4	.	.	19.2	.	.
N96-6783	37.4	.	.	40.9	.	.	19.9	.	.
N96-6800	36.4	37.7	.	42.2	41.9	.	19.6	19.5	.
N97-9812	39.5	.	.	41.2	.	.	20.8	.	.
OK92-6524	37.6	37.3	.	43.1	43.2	.	19.0	19.0	.
OK93-5907	37.2	.	.	42.0	.	.	19.8	.	.
R96-1559	39.8	.	.	41.6	.	.	19.5	.	.
R96-1939	40.0	.	.	43.1	.	.	19.5	.	.
R96-3538	40.1	.	.	42.5	.	.	19.6	.	.
SC94-1075	43.5	44.1	42.6	41.1	41.1	41.6	20.3	20.2	20.2
SC95-1070	42.0	42.0	.	40.7	40.4	.	20.0	19.9	.
SC96-1624	44.5	.	.	41.9	.	.	19.9	.	.
TN91-220-53	40.8	.	.	42.5	.	.	20.2	.	.
TN93-142-17	41.6	42.0	.	42.5	42.2	.	19.3	19.5	.
VS95-154	34.8	35.7	.	45.0	44.8	.	17.6	17.8	.
VS95-78	35.1	35.4	.	43.9	43.5	.	18.6	18.6	.
VS97-318	38.2	.	.	41.9	.	.	18.1	.	.
VS97-349	37.8	.	.	42.0	.	.	19.7	.	.
N97-61	40.4	.	.	42.9	.	.	21.0	.	.
N97-3525	34.1	.	.	44.4	.	.	18.5	.	.

†Data not included in mean: (2000) - Belle Mina, AL; Jay, FL; Suffolk, VA; Bossier City, LA
(1999) - Belle Mina, AL
(1998) - Pine Tree, AR; Clemson, SC

TABLE 36 - Continued

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
DILLON	P	10/15	1	32	2	12.7	G	T
BOGGS	W	4+	2	29	2	10.1	T	T
Au94-507	P	1-	2	26	2	11.5	G	T
Au96-1353	W	3+	2	29	2	12.5	T	T
G95-179	W	7+	2	31	2	11.5	T	T
N96-6783	P	2+	1	26	2	19.1	G	BR
N96-6800	P	1-	1	25	2	11.4	G	BR
N97-9812	P	2+	2	28	2	12.0	G	T
OK92-6524	S	6+	2	34	2	11.0	S	T
OK93-5907	W	0	1	28	2	12.0	T	T
R96-1559	P	1-	1	28	2	17.7	G	T
R96-1939	W	0	1	30	2	11.7	G	T
R96-3538	P	2+	1	31	2	13.9	G	T
SC94-1075	W	3+	2	33	2	17.5	G	T
SC95-1070	W	3+	2	33	2	10.5	G	T
SC96-1624	P	4+	2	31	2	12.4	T	T
TN91-220-53	W	1+	1	30	2	13.0	G	T
TN93-142-17	W	1+	1	30	2	12.9	G	T
VS95-154	W	4+	2	29	2	17.4	S	T
VS95-78	W	4+	2	30	2	9.7	G	T
VS97-318	S	6+	2	37	2	10.8	T	T
VS97-349	W	2+	2	24	2	10.3	G	T
N97-61	W	0	1	25	2	11.5	G	T
N97-3525	W	6+	2	32	2	12.1	G	BR

TABLE 36 - Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN 2	SCN 3	SCN 14	M. A. GA	M. I. GA	SMV
DILLON	.	4.5	4.1	4.5	1.3	R
BOGGS	.	1.2	3.6	4.0	1.0	S
Au94-507	.	4.5	4.6	4.0	1.8	R
Au96-1353	.	2.6	1.1	4.5	2.3	R
G95-179	.	3.3	4.3	2.0	1.0	S
N96-6783	.	4.6	4.4	3.3	3.0	R
N96-6800	.	4.7	4.2	4.5	4.3	R
N97-9812	.	4.9	4.6	4.5	4.5	R
OK92-6524	.	3.3	3.0	3.0	3.3	S
OK93-5907	.	2.6	3.3	1.3	3.3	R
R96-1559	.	2.8	1.5	3.3	2.8	S
R96-1939	.	4.6	3.8	4.3	3.5	R
R96-3538	.	5.0	4.2	4.0	2.8	R
SC94-1075	.	1.6	4.0	3.3	1.5	R
SC95-1070	.	1.0	2.5	1.8	1.0	S
SC96-1624	.	1.0	1.9	5.0	3.5	R
TN91-220-53	.	5.0	2.7	2.5	4.0	S
TN93-142-17	.	2.3	1.0	4.5	3.3	R
VS95-154	.	4.6	4.4	4.3	3.5	R
VS95-78	.	4.7	4.7	3.8	3.5	S
VS97-318	.	2.4	4.3	3.0	2.0	S
VS97-349	.	4.8	5.0	3.8	3.5	R
N97-61	.	5.0	4.4	3.0	2.5	R
N97-3525	.	4.8	4.5	3.8	3.0	R

**TABLE 37 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VI, 2000**

STRAIN/ VARIETY	EAST					MEAN
	CLINTON NC	FLORENCE SC	PLYMOUTH NC	WARSAW VA		
DILLON	61.5	33.2	43.3	53.5		47.9
BOGGS	53.4	36.6	41.1	54.7		46.5
Au94-507	52.1	28.1	30.4	55.1		41.4
Au96-1353	50.7	34.6	33.4	48.9		41.9
G95-179	53.4	35.8	33.1	52.1		43.6
N96-6783	56.6	30.0	45.7	58.5		47.7
N96-6800	56.2	23.7	36.9	55.4		43.0
N97-9812	51.7	37.8	40.2	49.1		44.7
OK92-6524	49.4	29.1	35.1	53.2		41.7
OK93-5907	58.7	25.3	38.2	58.0		45.1
R96-1559	58.2	20.4	46.6	59.4		46.2
R96-1939	52.3	17.3	45.4	56.2		42.8
R96-3538	55.1	27.9	48.3	48.9		45.1
SC94-1075	58.9	38.5	39.0	55.3		47.9
SC95-1070	54.4	39.2	46.0	57.2		49.2
SC96-1624	56.0	38.6	41.0	57.2		48.2
TN91-220-53	57.2	23.7	45.8	60.8		46.9
TN93-142-17	52.0	31.9	44.9	53.8		45.7
VS95-154	50.6	23.0	34.3	49.3		39.3
VS95-78	57.2	32.6	37.7	48.6		44.0
VS97-318	49.1	37.3	30.7	48.8		41.5
VS97-349	49.5	30.7	33.3	51.8		41.3
N97-61	61.3	34.1	47.3	58.9		50.4
N97-3525	47.4	15.9	33.4	47.3		36.0
L. S. D. (0.05)	8.4	9.2	11.5	5.6		.
C. V. (%)	9.4	18.5	14.5	6.3		.

TABLE 37 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY† FL	STARKVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	MEAN
DILLON	32.5	61.2	9.7	36.8	34.2	34.0	31.8	29.9	23.6	51.3	34.5	37.1	36.2
BOGGS	44.5	59.1	11.6	21.8	33.5	28.9	28.0	28.2	28.3	53.5	44.7	45.1	37.1
Au94-507	42.4	53.2	11.6	26.1	37.1	25.4	13.6	15.7	33.5	31.0	31.8	36.2	33.3
Au96-1353	48.8	50.1	6.2	37.8	34.7	38.6	35.6	25.4	24.5	52.3	48.1	44.9	40.3
G95-179	47.2	58.8	10.6	39.2	48.0	35.7	46.4	32.3	30.1	49.1	44.9	45.9	44.0
N96-6783	35.1	60.8	2.2	28.9	43.6	37.4	7.9	17.3	11.3	54.3	30.9	36.0	32.4
N96-6800	37.4	51.9	11.6	26.6	34.9	34.0	7.6	12.1	23.3	54.4	28.9	42.5	31.9
N97-9812	40.6	59.8	12.5	30.4	26.5	36.8	28.2	25.4	27.8	45.3	32.4	39.7	35.8
OK92-6524	38.5	57.4	10.9	31.3	36.4	34.0	22.9	18.5	21.8	50.6	37.6	34.4	34.9
OK93-5907	34.5	49.1	13.4	26.9	40.1	32.9	17.7	20.2	24.4	40.3	34.7	40.4	33.4
R96-1559	38.1	51.2	16.9	15.9	31.7	30.9	17.7	15.7	31.9	44.7	45.3	46.5	34.3
R96-1939	38.0	49.8	12.2	31.9	39.8	35.5	31.8	24.6	31.2	44.7	34.7	45.0	37.5
R96-3538	42.1	52.9	12.5	27.3	38.3	29.1	31.8	26.6	26.0	45.4	34.6	42.4	36.0
SC94-1075	47.9	57.0	10.3	37.0	43.1	36.5	22.9	24.2	26.6	53.6	41.0	49.3	40.1
SC95-1070	40.9	54.6	9.7	30.2	44.0	40.0	21.3	25.1	35.2	49.1	44.9	46.2	39.7
SC96-1624	51.4	64.3	6.6	37.6	46.9	33.4	30.8	37.2	32.8	62.3	44.8	46.6	43.2
TN91-220-53	43.3	60.1	10.0	30.5	28.9	24.0	34.9	25.4	27.2	52.5	32.4	38.9	35.6
TN93-142-17	48.0	59.1	14.4	29.7	35.3	27.3	32.5	27.5	25.1	52.1	41.8	45.4	38.3
VS95-154	47.0	55.3	5.6	35.7	26.4	24.4	16.7	23.4	25.2	49.0	25.5	31.2	31.9
VS95-78	35.0	51.2	12.5	27.6	36.7	28.4	14.1	25.4	20.7	46.1	30.7	33.3	30.8
VS97-318	45.3	59.6	5.3	34.7	29.4	35.1	35.1	29.4	26.9	50.2	37.3	34.5	37.5
VS97-349	29.2	56.5	12.8	29.9	35.5	34.0	31.3	15.7	22.4	27.9	36.3	34.4	34.4
N97-61	38.9	49.1	10.3	31.8	42.0	38.6	19.8	18.5	15.1	55.9	33.1	42.5	34.5
N97-3525	42.1	49.1	10.0	27.0	34.2	31.1	31.8	30.6	21.1	41.4	33.6	30.7	33.4
L. S. D. (0.05)	7.0	11.1	.	10.4	9.4	9.4	8.7	11.7	9.1	17.9	5.4	9.3	.
C. V. (%)	10.4	12.0	.	20.7	15.5	17.4	20.7	22.3	21.6	22.6	8.9	14.1	.

†Data not included in mean.

TABLE 37 - Continued

DELTA	
STRAIN/ VARIETY	STONEVILLE MS
DILLON	34.9
BOGGS	32.5
Au94-507	42.7
Au96-1353	36.2
G95-179	29.3
N96-6783	30.6
N96-6800	34.9
N97-9812	34.3
OK92-6524	25.5
OK93-5907	31.9
R96-1559	44.8
R96-1939	35.7
R96-3538	38.6
SC94-1075	38.5
SC95-1070	26.3
SC96-1624	31.0
TN91-220-53	40.7
TN93-142-17	41.5
VS95-154	28.9
VS95-78	26.3
VS97-318	21.5
VS97-349	31.3
N97-61	32.9
N97-3525	21.9
L. S. D. (0.05)	5.4
C. V. (%)	10.0

TABLE 37 - Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY†	STUTT GART	
	LA	AR	
DILLON	23.9	62.7	62.7
BOGGS	34.3	60.4	60.4
Au94-507	35.3	52.4	52.4
Au96-1353	33.7	55.9	55.9
G95-179	.	48.5	48.5
N96-6783	21.5	47.4	47.4
N96-6800	30.0	51.3	51.3
N97-9812	32.2	57.0	57.0
OK92-6524	34.8	56.8	56.8
OK93-5907	28.4	45.8	45.8
R96-1559	31.9	58.4	58.4
R96-1939	36.0	56.0	56.0
R96-3538	30.6	57.7	57.7
SC94-1075	34.9	60.8	60.8
SC95-1070	34.6	49.6	49.6
SC96-1624	42.2	55.3	55.3
TN91-220-53	28.4	63.4	63.4
TN93-142-17	28.2	56.3	56.3
VS95-154	20.7	48.8	48.8
VS95-78	26.8	46.8	46.8
VS97-318	41.9	48.2	48.2
VS97-349	31.9	60.5	60.5
N97-61	33.5	60.8	60.8
N97-3525	31.6	45.3	45.3
L. S. D. (0.05)	.	8.1	.
C. V. (%)	.	6.8	.

†Data not included in mean.

TABLE 38 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2000

OIL PERCENTAGE

STRAIN/ VARIETY	ATHENS GA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JAY† FL	PLYMOUTH NC	STONEVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	WARSAW VA	MEAN
DILLON	19.3	18.4	20.8	.	18.7	19.3	19.8	20.5	19.9	19.6	19.6	19.9	20.0	.	18.8	19.6
BOGGS	19.7	18.9	20.5	.	17.7	21.1	20.7	19.8	20.2	18.7	19.8	19.1	20.1	.	18.2	19.6
Au94-507	20.6	20.3	21.5	.	18.8	20.5	20.0	20.2	22.6	20.9	21.0	16.9	20.8	.	19.6	20.4
Au96-1353	19.8	18.1	21.4	.	19.6	18.7	21.3	21.2	20.6	19.2	20.1	20.4	21.1	.	18.7	20.1
G95-179	19.1	18.5	20.4	.	18.7	19.7	19.1	20.5	18.7	19.3	18.2	17.1	18.9	.	18.0	19.2
N96-6783	19.7	18.4	21.7	.	18.8	19.2	19.3	20.9	21.4	19.8	20.1	19.3	20.3	.	19.5	19.9
N96-6800	18.4	18.9	21.1	.	18.7	20.7	18.8	20.8	20.5	18.9	18.9	18.8	20.6	.	19.0	19.6
N97-9812	20.6	20.3	22.0	.	19.9	18.7	21.7	22.2	22.2	20.2	21.0	19.0	22.3	.	19.3	20.8
OK92-6524	18.8	17.9	20.0	.	19.0	19.1	18.9	19.3	19.5	18.3	18.7	18.7	19.1	.	18.4	19.0
OK93-5907	20.2	19.3	21.2	.	19.4	19.3	19.2	20.7	21.2	19.8	19.1	18.5	20.1	.	18.6	19.8
R96-1559	19.1	20.0	20.3	.	19.3	19.4	18.4	20.3	22.6	20.0	18.6	19.4	20.6	.	19.1	19.5
R96-1939	19.3	19.3	20.4	.	19.2	19.7	19.6	19.8	20.1	19.4	18.4	19.2	20.3	.	19.0	19.5
R96-3538	19.8	18.8	20.6	.	18.5	20.0	20.4	20.8	22.2	19.3	18.9	18.8	20.1	.	18.0	19.6
SC94-1075	20.2	19.9	21.1	.	20.1	19.4	20.0	21.7	21.8	20.7	19.7	18.1	21.5	.	18.8	20.3
SC95-1070	19.9	19.4	20.8	.	20.1	19.4	19.8	21.3	21.1	19.9	18.8	19.8	21.1	.	18.5	20.0
SC96-1624	19.7	18.7	21.2	.	19.3	20.4	19.8	21.4	20.4	19.7	18.4	16.7	20.6	.	18.2	19.9
TN91-220-53	19.8	19.7	21.0	.	18.9	19.1	21.8	20.3	22.0	20.0	19.9	18.2	21.7	.	19.0	20.2
TN93-142-17	19.7	19.3	20.4	.	19.1	17.3	19.9	20.3	20.1	18.9	19.4	18.7	19.8	.	18.6	19.3
VS95-154	17.8	17.3	19.1	.	17.4	18.2	16.9	18.7	19.5	17.2	16.6	19.9	17.6	.	16.6	17.6
VS95-78	18.5	19.4	19.9	.	17.5	18.0	19.1	19.4	20.4	18.3	18.2	19.5	19.4	.	17.2	18.6
VS97-318	17.8	18.0	19.5	.	17.6	18.3	18.8	19.2	20.0	18.4	15.7	18.2	19.2	.	16.9	18.1
VS97-349	20.3	19.5	21.3	.	19.4	18.8	20.2	20.8	22.1	19.7	18.6	19.7	20.4	.	17.7	19.7
N97-61	20.8	19.7	22.7	.	21.4	21.0	20.3	22.1	21.5	20.1	20.2	19.5	21.9	.	19.5	21.0
N97-3525	17.7	17.3	19.3	.	18.1	18.2	19.6	19.4	19.1	19.6	18.6	19.5	17.2	.	17.1	18.5

†Data not included in mean.

TABLE 38 - Continued

PROTEIN PERCENTAGE

STRAIN/ VARIETY	ATHENS GA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JAY† FL	PLYMOUTH NC	STONEVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	WARSAW VA	MEAN
DILLON	43.7	44.1	41.6	.	41.1	42.6	44.5	42.4	45.1	41.8	43.3	42.6	43.2	.	42.3	42.7
BOGGS	42.1	43.1	42.2	.	41.9	38.9	43.0	42.5	45.8	43.2	42.5	38.8	42.0	.	43.1	42.1
Au94-507	40.8	40.9	40.2	.	41.7	41.4	43.7	41.1	39.3	37.8	40.6	44.1	40.6	.	42.3	41.0
Au96-1353	42.0	41.9	41.7	.	39.9	42.0	43.5	41.0	44.0	43.4	43.2	38.9	39.7	.	43.3	42.0
G95-179	40.2	38.7	40.9	.	39.0	41.6	44.4	39.3	44.0	39.3	44.3	44.0	42.0	.	43.2	41.4
N96-6783	41.9	45.0	39.1	.	37.4	41.9	43.3	41.0	39.3	40.4	41.6	38.6	40.7	.	41.4	40.9
N96-6800	43.5	42.7	40.1	.	41.7	41.4	44.2	41.0	40.4	42.2	43.7	42.2	41.2	.	43.0	42.2
N97-9812	41.4	41.6	39.9	.	39.3	43.2	42.7	40.6	41.5	40.9	42.0	40.4	39.4	.	42.4	41.2
OK92-6524	43.7	44.2	42.6	.	40.5	42.6	43.9	43.9	44.7	42.7	42.7	40.8	43.8	.	44.1	43.1
OK93-5907	42.4	43.1	40.3	.	38.6	40.5	45.7	41.6	42.1	40.8	45.4	41.4	42.0	.	42.4	42.0
R96-1559	41.8	40.0	41.1	.	40.6	42.8	45.2	41.5	39.4	40.2	41.0	40.6	40.0	.	42.2	41.6
R96-1939	43.2	42.9	42.1	.	42.4	42.2	44.1	43.3	44.7	41.7	44.7	41.3	42.1	.	44.8	43.1
R96-3538	42.2	43.5	42.4	.	42.0	42.6	42.5	41.6	40.3	42.1	43.5	42.2	42.5	.	43.3	42.5
SC94-1075	42.5	42.4	40.9	.	38.7	40.7	45.7	38.2	43.5	38.4	43.4	39.8	38.6	.	43.4	41.1
SC95-1070	40.1	41.2	39.6	.	37.3	42.7	44.3	39.9	41.1	39.9	41.9	39.1	38.7	.	42.7	40.7
SC96-1624	41.7	40.0	42.3	.	40.6	42.0	44.8	40.3	44.3	40.0	43.7	44.0	40.8	.	42.8	41.9
TN91-220-53	42.6	44.3	41.7	.	42.2	41.6	42.7	43.9	42.8	41.7	43.3	41.3	41.1	.	44.3	42.5
TN93-142-17	41.4	42.4	41.7	.	40.8	44.3	42.7	41.6	42.1	42.6	42.5	40.4	43.3	.	44.1	42.5
VS95-154	44.5	45.1	44.0	.	44.5	43.6	46.3	44.3	42.9	44.0	46.1	39.8	45.1	.	47.1	45.0
VS95-78	44.0	39.4	43.8	.	43.4	42.1	47.1	43.4	45.0	43.5	44.2	40.3	42.0	.	45.4	43.9
VS97-318	39.7	39.4	40.2	.	39.2	42.2	44.5	41.7	41.4	41.1	46.6	38.0	40.0	.	43.6	41.9
VS97-349	41.0	42.1	40.3	.	41.8	42.5	42.4	41.3	39.9	41.8	43.0	40.2	41.4	.	44.6	42.0
N97-61	43.2	44.1	40.7	.	40.4	42.9	43.7	42.2	43.0	44.8	43.8	38.2	44.1	.	43.3	42.9
N97-3525	44.5	44.9	44.2	.	43.8	44.3	44.3	43.9	46.5	44.6	44.0	40.9	45.4	.	45.0	44.4

†Data not included in mean.

TABLE 38 - Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS GA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JAY† FL	PLYMOUTH NC	STONEVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	WARSAW VA	MEAN
DILLON	17.2	15.0	16.9	15.0	14.4	15.1	12.5	15.6	24.0	14.9	10.3	14.2	15.9	15.7	16.9	15.0
BOGGS	15.1	13.4	13.8	14.0	11.2	13.3	10.5	13.1	15.4	12.0	11.7	12.4	13.8	13.7	15.2	13.1
Au94-507	17.4	13.3	16.0	15.0	14.2	16.4	11.7	14.5	15.0	14.0	12.1	14.5	15.6	15.0	15.5	14.8
Au96-1353	16.2	13.7	15.7	15.0	15.2	15.4	12.7	14.6	15.2	14.3	12.0	14.9	14.9	14.3	15.8	14.7
G95-179	14.7	11.7	13.7	14.0	12.0	13.7	13.4	14.0	15.6	13.4	11.4	12.8	13.6	16.3	15.2	13.8
N96-6783	16.0	9.4	15.3	14.0	13.1	15.0	9.8	14.8	13.1	14.3	9.8	14.4	14.6	14.0	15.5	13.9
N96-6800	15.3	12.0	14.4	13.0	13.6	14.6	11.4	14.4	9.7	13.1	9.5	14.1	13.3	12.7	14.1	13.3
N97-9812	15.7	12.9	15.4	13.0	12.0	14.2	13.2	14.3	16.1	14.6	10.9	13.6	15.1	12.7	15.5	13.9
OK92-6524	14.3	13.2	13.5	13.0	11.2	13.1	11.8	13.5	13.0	12.8	10.2	12.5	13.9	13.0	15.0	12.9
OK93-5907	16.1	12.7	14.4	15.0	14.0	15.5	10.8	14.1	10.5	14.5	10.9	13.4	15.3	15.0	15.6	14.3
R96-1559	13.6	13.1	13.7	12.0	13.2	13.2	9.7	11.8	10.8	12.1	8.9	12.4	13.3	12.3	13.2	12.3
R96-1939	15.6	14.4	14.7	15.0	13.6	14.7	12.0	14.2	15.5	13.1	12.0	13.1	12.8	15.0	14.6	13.9
R96-3538	18.1	14.9	17.7	15.0	15.0	16.8	14.0	17.1	17.2	16.4	13.5	14.7	17.7	17.7	17.1	16.3
SC94-1075	13.4	13.2	13.3	13.0	10.5	12.7	9.8	11.5	14.2	11.2	10.2	11.1	12.2	15.7	14.5	12.3
SC95-1070	15.5	12.7	13.7	15.0	14.0	14.7	11.7	13.3	15.6	14.0	10.3	12.7	13.5	14.3	15.4	13.8
SC96-1624	15.4	13.3	15.9	16.0	14.1	16.6	12.3	14.4	18.5	14.9	10.6	14.0	15.5	14.7	16.4	14.7
TN91-220-53	17.6	13.6	15.6	15.0	13.8	16.5	14.0	15.1	17.4	14.7	12.7	14.8	16.2	16.3	17.2	15.4
TN93-142-17	17.4	15.3	17.2	15.0	13.4	14.6	13.6	15.2	16.4	14.9	11.7	14.6	16.5	18.0	16.8	15.4
VS95-154	13.8	11.1	13.8	12.0	12.5	11.7	9.5	11.7	12.4	12.3	9.3	12.4	12.3	12.0	14.6	12.1
VS95-78	12.9	12.2	12.6	12.0	10.4	11.9	10.0	11.6	12.8	11.3	8.7	11.1	11.3	10.7	13.9	11.4
VS97-318	14.7	12.6	14.7	15.0	12.2	15.0	14.1	13.2	16.4	14.0	10.4	13.0	15.1	16.0	16.3	14.2
VS97-349	12.4	11.4	13.3	13.0	12.2	12.8	10.7	12.0	12.9	11.6	9.5	12.9	12.3	11.7	14.0	12.1
N97-61	14.7	12.1	14.0	13.0	13.6	14.3	12.1	13.8	10.8	13.4	9.5	13.3	16.0	15.0	13.9	13.6
N97-3525	15.0	12.6	14.6	16.0	13.7	16.5	12.4	14.7	18.1	14.2	11.4	13.9	13.6	16.0	16.0	14.5

†Data not included in mean.

TABLE 39 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN DILLON FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2000

EAST

STRAIN/ VARIETY	CLINTON	FLORENCE	PLYMOUTH	WARSAW	MEAN
	NC	SC	NC	VA	
DILLON	10/19	10/15	10/24	10/31	10/22
BOGGS	7	4	0	3	4
Au94-507	7	-1	-5	-5	-1
Au96-1353	7	1	0	0	2
G95-179	9	4	7	3	6
N96-6783	7	2	-5	-1	1
N96-6800	2	-3	0	-6	-2
N97-9812	5	1	-5	2	1
OK92-6524	7	4	7	2	5
OK93-5907	2	-2	0	-2	0
R96-1559	0	-6	-5	-5	-4
R96-1939	7	-2	-5	0	0
R96-3538	5	-1	.	3	2
SC94-1075	7	1	0	2	3
SC95-1070	5	2	0	2	2
SC96-1624	7	3	0	1	3
TN91-220-53	7	-3	-5	2	0
TN93-142-17	0	2	-5	3	0
VS95-154	7	3	7	3	5
VS95-78	5	2	0	3	3
VS97-318	7	3	0	2	3
VS97-349	9	1	0	3	3
N97-61	7	-3	0	-2	1
N97-3525	11	2	7	2	6

TABLE 39 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS	BATON ROUGE	BELLE MINA†	BLACKVILLE	CALHOUN	CLEMSON	FAIRHOPE	JAY†	STARKVILLE	SUFFOLK†	TALLASSEE	TIFTON	MEAN
	GA	LA	AL	SC	GA	SC	AL	FL	MS	VA	AL	GA	
DILLON	10/16	.	10/14	10/22	10/14	10/30	10/04	10/23	.	10/31	10/14	09/30	10/14
BOGGS	7	.	3	4	2	5	1	0	.	0	2	6	4
Au94-507	-1	.	-3	-1	-4	-1	-6	-7	.	1	-2	-3	-2
Au96-1353	5	.	3	1	0	-5	9	0	.	0	3	5	3
G95-179	9	.	3	4	4	-3	15	9	.	0	6	15	7
N96-6783	7	.	-3	3	-2	1	-10	-6	.	2	2	5	1
N96-6800	4	.	-3	-3	-4	-4	-7	-9	.	0	-2	-3	-2
N97-9812	5	.	0	3	-2	0	3	-3	.	1	2	1	2
OK92-6524	7	.	2	3	3	-2	7	3	.	0	5	10	5
OK93-5907	2	.	0	-3	0	-4	-4	-6	.	0	-2	-1	-1
R96-1559	2	.	-3	-5	0	-1	-2	-9	.	0	-2	1	-1
R96-1939	3	.	1	-4	-4	-2	-2	-6	.	0	-2	0	-1
R96-3538	4	.	2	2	0	1	1	-9	.	2	1	5	2
SC94-1075	3	.	0	6	0	0	2	0	.	1	1	2	2
SC95-1070	6	.	3	-1	4	-5	3	-2	.	0	3	6	3
SC96-1624	7	.	3	2	4	-6	8	0	.	0	4	6	4
TN91-220-53	4	.	0	-1	0	-3	0	-4	.	0	-1	1	0
TN93-142-17	3	.	0	1	0	-2	2	0	.	1	1	3	2
VS95-154	7	.	2	3	-3	-2	2	3	.	0	4	7	3
VS95-78	7	.	3	4	3	0	1	-2	.	1	4	9	4
VS97-318	7	.	3	2	3	-2	10	-2	.	0	6	13	6
VS97-349	3	.	0	0	-1	-6	1	-4	.	0	1	6	1
N97-61	3	.	0	-9	2	-10	-2	-4	.	1	-1	6	-1
N97-3525	6	.	3	-2	4	-7	10	3	.	0	5	11	4

†Data not included in mean.

TABLE 39 - Continued

DELTA	
STRAIN/ VARIETY	STONEVILLE MS
DILLON	10/10
BOGGS	3
Au94-507	2
Au96-1353	3
G95-179	9
N96-6783	3
N96-6800	3
N97-9812	3
OK92-6524	9
OK93-5907	3
R96-1559	1
R96-1939	2
R96-3538	2
SC94-1075	2
SC95-1070	5
SC96-1624	4
TN91-220-53	1
TN93-142-17	1
VS95-154	5
VS95-78	6
VS97-318	13
VS97-349	5
N97-61	4
N97-3525	11

TABLE 39 - Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY†	STUTT GART	
	LA	AR	
DI LLON	09/23	10/14	10/14
BOGGS	17	1	1
Au94-507	1	0	0
Au96-1353	36	5	5
G95-179	.	7	7
N96-6783	-4	3	3
N96-6800	-4	2	2
N97-9812	8	2	2
OK92-6524	37	6	6
OK93-5907	10	2	2
R96-1559	2	0	0
R96-1939	9	-1	-1
R96-3538	8	2	2
SC94-1075	10	2	2
SC95-1070	38	4	4
SC96-1624	40	4	4
TN91-220-53	-2	1	1
TN93-142-17	0	0	0
VS95-154	19	3	3
VS95-78	29	6	6
VS97-318	40	7	7
VS97-349	21	4	4
N97-61	10	1	1
N97-3525	34	6	6

†Data not included in mean.

TABLE 40 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2000

STRAIN/ VARIETY	EAST					MEAN
	CLINTON NC	FLORENCE SC	PLYMOUTH NC	WARSAW VA		
DILLON	39	28	41	40	37	
BOGGS	38	25	36	35	33	
Au94-507	33	22	34	38	32	
Au96-1353	35	26	39	39	35	
G95-179	37	27	44	39	37	
N96-6783	29	23	34	31	29	
N96-6800	33	21	32	30	29	
N97-9812	33	26	33	35	32	
OK92-6524	39	32	45	42	39	
OK93-5907	34	22	39	35	32	
R96-1559	36	24	37	35	33	
R96-1939	36	24	43	37	35	
R96-3538	39	24	40	39	36	
SC94-1075	38	28	35	40	35	
SC95-1070	41	30	41	39	38	
SC96-1624	40	27	42	40	37	
TN91-220-53	38	24	37	38	34	
TN93-142-17	37	27	37	37	35	
VS95-154	37	26	37	36	34	
VS95-78	37	27	35	36	34	
VS97-318	47	35	42	40	41	
VS97-349	33	20	30	35	29	
N97-61	31	23	39	38	32	
N97-3525	41	28	40	39	37	

TABLE 40 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY† FL	STARKVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	MEAN
DILLON	22	36	21	32	28	25	24	40	24	28	35	29
BOGGS	24	28	15	30	24	22	20	36	24	32	33	27
Au94-507	21	29	16	25	18	18	20	33	26	26	29	23
Au96-1353	24	30	22	31	23	27	19	27	24	33	29	27
G95-179	23	36	24	36	29	25	21	31	25	32	31	29
N96-6783	20	29	20	28	25	23	20	31	23	25	27	25
N96-6800	22	29	15	31	21	22	19	26	23	24	27	24
N97-9812	19	31	19	28	26	27	18	29	20	23	31	25
OK92-6524	26	28	25	33	29	23	24	44	29	35	32	31
OK93-5907	20	32	18	32	24	24	22	29	24	25	29	25
R96-1559	19	31	14	28	22	24	18	38	27	28	31	25
R96-1939	23	30	20	30	27	26	25	34	22	29	33	28
R96-3538	23	35	19	32	27	25	24	36	23	27	33	28
SC94-1075	24	31	21	33	35	25	24	42	24	29	37	31
SC95-1070	24	33	20	35	31	27	23	35	24	36	35	30
SC96-1624	25	32	19	31	26	24	20	36	28	32	31	28
TN91-220-53	22	32	23	30	22	27	22	33	23	29	33	28
TN93-142-17	23	31	21	29	25	24	20	35	21	26	35	27
VS95-154	25	30	20	30	14	24	18	36	27	29	31	26
VS95-78	25	31	20	32	26	22	19	33	25	28	31	27
VS97-318	30	37	28	38	35	33	24	42	28	39	35	35
VS97-349	20	26	16	25	22	19	17	23	26	24	27	22
N97-61	21	29	17	24	22	24	15	16	30	26	25	22
N97-3525	28	37	24	34	28	32	25	36	26	33	34	31

†Data not included in mean.

TABLE 40 - Continued

DELTA	
STRAIN/ VARIETY	STONEVILLE MS
DILLON	32
BOGGS	29
Au94-507	25
Au96-1353	22
G95-179	24
N96-6783	26
N96-6800	20
N97-9812	28
OK92-6524	34
OK93-5907	28
R96-1559	29
R96-1939	30
R96-3538	32
SC94-1075	36
SC95-1070	30
SC96-1624	26
TN91-220-53	30
TN93-142-17	27
VS95-154	22
VS95-78	29
VS97-318	31
VS97-349	22
N97-61	19
N97-3525	17

TABLE 40 - Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY†	STUTT GART	
	LA	AR	
DI LLON	35	31	31
BOGGS	31	34	34
Au94-507	30	30	30
Au96-1353	30	35	35
G95-179	.	34	34
N96-6783	29	27	27
N96-6800	26	25	25
N97-9812	31	28	28
OK92-6524	30	41	41
OK93-5907	26	27	27
R96-1559	31	29	29
R96-1939	31	33	33
R96-3538	34	31	31
SC94-1075	36	35	35
SC95-1070	37	33	33
SC96-1624	31	35	35
TN91-220-53	31	30	30
TN93-142-17	32	32	32
VS95-154	30	33	33
VS95-78	30	34	34
VS97-318	39	40	40
VS97-349	24	27	27
N97-61	25	26	26
N97-3525	32	40	40

†Data not included in mean.

TABLE 41 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2000

STRAIN/ VARIETY	EAST				MEAN
	CLINTON NC	FLORENCE SC	PLYMOUTH NC	WARSAW VA	
DILLON	3	1	2	3	2
BOGGS	3	1	2	3	2
Au94-507	3	1	2	4	2
Au96-1353	4	1	4	4	3
G95-179	3	1	3	3	3
N96-6783	3	1	2	3	2
N96-6800	3	1	2	3	2
N97-9812	3	1	2	3	2
OK92-6524	2	1	2	3	2
OK93-5907	2	1	3	3	2
R96-1559	1	1	1	2	1
R96-1939	3	1	2	3	2
R96-3538	2	1	2	2	2
SC94-1075	3	1	2	3	2
SC95-1070	3	1	2	3	2
SC96-1624	3	1	2	3	2
TN91-220-53	3	1	2	3	2
TN93-142-17	3	1	2	3	2
VS95-154	4	1	2	4	3
VS95-78	2	1	3	3	2
VS97-318	4	1	3	3	3
VS97-349	4	1	4	3	3
N97-61	3	1	3	3	2
N97-3525	3	1	3	3	2

TABLE 41 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BELLE MINA† AL	BLACKVILLE SC	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY† FL	STARKVILLE MS	SUFFOLK† VA	TALLASSEE AL	TIFTON GA	MEAN
DILLON	1	1	1	1	1	1	1	1	1	1	1	1
BOGGS	1	1	1	1	2	1	1	1	1	1	1	1
Au94-507	1	1	1	1	1	1	1	1	1	1	1	1
Au96-1353	1	2	2	1	1	1	1	1	1	1	2	1
G95-179	2	1	1	1	1	1	1	1	1	1	1	1
N96-6783	1	1	1	1	2	1	1	1	1	1	1	1
N96-6800	1	1	1	1	1	1	1	1	1	1	1	1
N97-9812	1	1	1	1	2	1	1	1	1	1	1	1
OK92-6524	1	1	1	1	1	1	1	3	2	1	2	1
OK93-5907	1	1	1	1	1	1	1	1	1	1	1	1
R96-1559	1	1	1	1	1	1	1	1	1	1	1	1
R96-1939	1	1	1	1	1	1	1	1	1	1	1	1
R96-3538	1	1	1	2	2	1	1	1	1	1	1	1
SC94-1075	1	1	1	1	2	1	1	1	1	1	1	1
SC95-1070	1	1	1	1	2	1	1	1	1	1	2	1
SC96-1624	1	1	1	1	1	1	1	1	2	1	1	1
TN91-220-53	1	1	1	1	1	1	1	1	1	1	1	1
TN93-142-17	1	1	1	1	1	1	1	1	1	1	1	1
VS95-154	1	1	1	1	1	1	1	1	1	1	1	1
VS95-78	1	1	1	1	1	1	1	1	1	1	1	1
VS97-318	1	1	1	1	2	1	1	2	1	1	2	1
VS97-349	1	1	1	1	1	1	1	1	1	1	1	1
N97-61	1	1	1	1	1	1	1	1	2	1	1	1
N97-3525	2	1	1	1	2	1	1	1	1	1	2	1

†Data not included in mean.

TABLE 41 - Continued

DELTA	
STRAIN/ VARIETY	STONEVILLE MS
DILLON	2
BOGGS	2
Au94-507	2
Au96-1353	3
G95-179	3
N96-6783	2
N96-6800	2
N97-9812	2
OK92-6524	2
OK93-5907	2
R96-1559	2
R96-1939	2
R96-3538	2
SC94-1075	3
SC95-1070	4
SC96-1624	2
TN91-220-53	2
TN93-142-17	2
VS95-154	2
VS95-78	2
VS97-318	2
VS97-349	2
N97-61	2
N97-3525	4

TABLE 41 - Continued

STRAIN/ VARIETY	WEST		MEAN
	BOSSIER CITY†	STUTTGART	
	LA	AR	
DI LLON	1	1	1
BOGGS	1	2	2
Au94-507	1	1	1
Au96-1353	1	3	3
G95-179	.	2	2
N96-6783	2	1	1
N96-6800	1	1	1
N97-9812	2	2	2
OK92-6524	1	2	2
OK93-5907	1	2	2
R96-1559	1	1	1
R96-1939	1	1	1
R96-3538	1	1	1
SC94-1075	1	2	2
SC95-1070	1	2	2
SC96-1624	1	2	2
TN91-220-53	1	1	1
TN93-142-17	1	1	1
VS95-154	1	2	2
VS95-78	1	2	2
VS97-318	1	2	2
VS97-349	1	2	2
N97-61	1	1	1
N97-3525	2	3	3

†Data not included in mean.

TABLE 42 - SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VI, 2000

EAST

STRAIN/ VARIETY	CLINTON	PLYMOUTH	WARSAW	MEAN
	NC	NC	VA	
DILLON	2	2	1	2
BOGGS	2	2	1	2
Au94-507	2	3	1	2
Au96-1353	2	2	2	2
G95-179	2	2	2	2
N96-6783	2	2	1	2
N96-6800	3	2	1	2
N97-9812	3	3	2	3
OK92-6524	2	3	2	2
OK93-5907	2	2	1	2
R96-1559	2	2	2	2
R96-1939	2	2	2	2
R96-3538	2	2	1	2
SC94-1075	2	2	1	2
SC95-1070	3	3	1	2
SC96-1624	2	2	2	2
TN91-220-53	2	2	1	2
TN93-142-17	2	3	2	2
VS95-154	2	3	1	2
VS95-78	2	3	1	2
VS97-318	2	2	1	2
VS97-349	2	2	2	2
N97-61	2	2	1	2
N97-3525	3	3	2	3

TABLE 42 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS	BATON ROUGE	BELLE MINA†	CALHOUN	FAIRHOPE	JAY†	SUFFOLK†	TALLASSEE	TIFTON	MEAN
	GA	LA	AL	GA	AL	FL	VA	AL	GA	
DILLON	1	1	1	1	1	3	1	1	2	1
BOGGS	1	2	1	1	1	3	1	1	2	1
Au94-507	2	1	1	1	1	3	1	1	2	1
Au96-1353	1	1	1	1	1	2	2	1	2	1
G95-179	1	1	2	2	1	2	1	1	2	1
N96-6783	1	1	1	2	2	2	1	1	2	2
N96-6800	1	1	1	2	1	3	2	1	2	1
N97-9812	1	2	1	1	1	2	1	1	2	1
OK92-6524	2	2	1	2	2	4	1	1	2	2
OK93-5907	2	2	1	1	2	4	1	1	2	2
R96-1559	1	2	1	1	1	4	1	1	2	1
R96-1939	2	2	1	1	1	3	1	2	2	2
R96-3538	1	2	1	1	1	2	1	1	2	1
SC94-1075	1	1	1	1	1	2	1	1	2	1
SC95-1070	2	2	2	1	1	2	1	1	2	1
SC96-1624	1	1	1	2	1	2	1	1	2	1
TN91-220-53	2	1	1	1	1	2	1	1	2	1
TN93-142-17	2	1	1	1	1	2	2	1	2	1
VS95-154	1	2	1	2	2	2	1	1	2	2
VS95-78	1	2	1	1	1	2	1	2	2	1
VS97-318	1	2	2	2	1	2	1	1	2	1
VS97-349	1	2	1	1	1	2	1	1	2	1
N97-61	1	1	1	1	1	4	1	1	2	1
N97-3525	2	2	1	2	1	2	2	1	2	2

†Data not included in mean.

TABLE 42 - Continued

DELTA	
STRAIN/ VARIETY	STONEVILLE MS
DILLON	3
BOGGS	3
Au94-507	3
Au96-1353	3
G95-179	3
N96-6783	3
N96-6800	3
N97-9812	3
OK92-6524	3
OK93-5907	3
R96-1559	3
R96-1939	3
R96-3538	3
SC94-1075	3
SC95-1070	3
SC96-1624	3
TN91-220-53	3
TN93-142-17	3
VS95-154	3
VS95-78	3
VS97-318	3
VS97-349	3
N97-61	3
N97-3525	3

PRELIMINARY GROUP VI

2000

Preliminary Group VI nurseries were planted at 8 locations. Data were obtained from 7 of these 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 43 - PARENTAGE OF STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. DILLON	CENTENNIAL X YOUNG	
2. BOGGS	G81-152 X COKER 6738	
3. Au97-1387	SC90-2089 X Benning	F6
4. Au97-1467	N91-1639 X Benning	F6
5. Au97-1637	N91-1639 X Benning	F6
6. Au97-486	Au90-592 X Cook	F6
7. Au97-55	SC89-181 X Au90-592	F6
8. G96-2247	DPL3776 X G86-1267	F4d
9. G96-2309	DPL3776 X G86-1267	F4d
10. G97-1486	Doles X D87-4429	F6d
11. G97-3149	DPL3776 X Hartwig	F7d
12. G97-878	G86-1267 X Manokin	F5d
13. N97-6344	N92-7005 X COOK	F4
14. N97-9729	N90-7199 X N91-7254	F4
15. N97-9944	N90-7199 X N91-8005	F4
16. N98-7915	N90-7199 X NTCPR92-40	F4
17. N98-8560	N91-8005 X COOK	F4
18. R97-1053	PI0 9592 X NK S59-60	
19. R97-1137	PI0 9592 X NK S59-60	
20. R97-1181	PI0 9592 X NK S59-60	
21. R97-1801	MANOKIN X A6297	
22. SC97-1770	NK'S S83-30 X (HUTCHESON X D87-4429)	F5
23. SC97-353	SC89-181 X SC84-931	F6
24. SC97-560	MANOKIN X NK'S S75-55	F5
25. SC97-897	D87-4429 X NK'S S75-55	F5
26. TN97-258	HUTCHESON X TN89-39	
27. TN99-355	Soyola X [BRIM(2)xN88-431(2)x(N90-2013xC1726)]	
28. TN99-368	Soyola X [BRIM(2)xN88-431(2)x(N90-2013xC1726)]	
29. TN99-370	Soyola X [BRIM(2)xN88-431(2)x(N90-2013xC1726)]	
30. TN99-376	Soyola X [BRIM(2)xN88-431(2)x(N90-2013xC1726)]	
31. VS98-362	PI 96089 X Essex (2)	F6
32. VS98-363	PI 96089 X Essex (2)	F6
33. VS98-366	PI 96089 X Essex (2)	F6
34. VS98-369	PI 159319 X Essex (2)	F6
35. VS98-370	L76-0049 X Essex (2)	F6
36. N98-202	V88-494 X N90-1101	F6
37. N98-234	V88-494 X N90-1101	F6
38. N98-274	N91-78 X SC89-181	F6
39. N98-445	Cook X N93-1188	F6
40. N98-650	N93-1264 X N93-1047	F3

**TABLE 44 - GENERAL SUMMARY OF PERFORMANCE AND PEST REACTION FOR
STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000
- MEAN OF 7 LOCATIONS**

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14
							PROTEIN	OIL			
DILLON	41.3	10/19	1	32	2	14.6	41.9	19.4	.	4.5	4.6
BOGGS	44.0	4+	2	28	2	13.2	42.4	19.3	.	1.0	4.7
Au97-1387	41.7	3+	2	31	2	12.3	40.0	19.7	.	1.3	4.9
Au97-1467	41.6	0	2	30	2	13.1	41.9	19.3	.	1.2	4.4
Au97-1637	45.1	2+	2	27	2	12.2	41.0	19.5	.	4.4	5.0
Au97-486	43.1	1+	2	27	2	12.3	40.0	19.4	.	4.3	4.4
Au97-55	46.0	1+	2	34	2	12.7	42.1	18.5-	.	1.0	3.6
G96-2247	42.5	4+	2	33	2	13.6	39.9	19.1	.	1.3	4.7
G96-2309	43.9	4+	2	34	2	11.8	40.5	18.6	.	1.3	4.5
G97-1486	45.5	2+	2	31	2	11.0	40.6	19.5	.	1.0	5.0
G97-3149	45.4	4+	2	34	2	13.4	40.5	18.4-	.	1.0	3.3
G97-878	42.5	2+	2	34	2	12.3	38.6-	19.4	.	1.0	4.7
N97-6344	40.0	4+	2	31	2	16.1	39.8	19.3	.	3.9	5.0
N97-9729	35.9	9+	2	29	2	13.1	43.5	18.2-	.	3.9	4.7
N97-9944	41.0	0	2	26	2	14.8	41.6	19.9	.	3.2	3.7
N98-7915	40.6	6+	2	34	2	17.8	43.4	17.7-	.	2.9	4.0
N98-8560	40.3	3+	2	30	2	14.9	42.8	19.1	.	2.3	4.6
R97-1053	42.1	2-	1	26	2	14.6	41.3	19.4	.	1.0	2.6
R97-1137	44.9	1+	2	32	2	14.4	39.9	19.3	.	2.2	2.0
R97-1181	38.2	2-	1	25	2	14.7	40.9	19.9	.	3.1	2.3
R97-1801	42.4	2-	1	25	2	12.4	40.0	20.1	.	1.0	2.5
SC97-1770	45.6	3+	2	35	2	13.6	41.4	18.6	.	1.0	3.7
SC97-353	38.0	6+	3	38	2	11.3	36.4-	19.4	.	1.0	1.0
SC97-560	43.5	3+	2	32	2	12.4	40.6	19.6	.	1.0	3.3
SC97-897	44.7	5+	2	36	2	14.9	41.5	18.3-	.	1.0	1.0
TN97-258	44.5	3-	1	29	2	13.4	42.0	19.3	.	4.4	2.3
TN99-355	31.6-	2+	3	33	2	14.1	43.5	18.5-	.	0.0	.
TN99-368	32.7-	3-	2	26	2	14.3	44.2	18.5-	.	0.0	.
TN99-370	32.1-	1+	3	35	3	13.5	44.2	18.1-	.	0.0	.
TN99-376	35.3-	3-	2	29	2	14.1	44.9+	18.2-	.	0.0	.
VS98-362	36.9	3-	2	29	2	13.0	39.8	18.6	.	4.0	2.1
VS98-363	41.0	4+	2	31	2	11.5	43.1	18.5-	.	4.0	1.9
VS98-366	38.2	3+	2	33	2	13.7	44.3	18.8	.	4.5	4.0
VS98-369	41.5	4+	2	31	2	16.7	44.2	18.5-	.	4.3	2.0
VS98-370	36.9	6+	2	43	2	14.4	42.7	18.8	.	4.6	4.1
N98-202	39.7	1+	2	30	2	12.2	41.6	19.2	.	4.3	3.4
N98-234	44.0	4+	2	33	2	14.1	42.3	18.8	.	4.7	2.8
N98-274	40.6	1+	2	31	2	14.4	41.6	18.9	.	4.1	2.0
N98-445	38.6	4+	3	34	2	13.3	44.4+	17.9-	.	4.7	3.0
N98-650	37.5	4+	2	29	2	12.1	42.7	18.9	.	1.1	3.0
OVERALL MEAN	40.8						41.7	19.0			
LSD (.05)	6.0						2.5	0.8			
C. V.	13%						5%	4%			

TABLE 45 - SEED YIELD IN BUSHELS PER ACRE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	STUTTGART AR	TALLASSEE AL	MEAN
DILLON	35.7	35.1	58.1	41.8	31.5	50.6	36.0	41.3
BOGGS	29.3	36.4	59.5	43.2	29.9	61.1+	48.3+	44.0
Au97-1387	37.6	31.1	55.0	38.8	30.6	57.1	41.7	41.7
Au97-1467	35.6	37.0	50.1	39.9	28.4	57.8	42.3	41.6
Au97-1637	39.9	33.9	54.6	50.6	35.0	60.1+	41.3	45.1
Au97-486	34.4	41.2	54.8	40.8	28.2	61.4+	40.6	43.1
Au97-55	52.4+	37.2	57.5	42.9	26.8	55.7	49.7+	46.0
G96-2247	39.0	36.1	53.6	43.1	25.2	54.0	46.8+	42.5
G96-2309	38.5	40.1	59.3	44.5	23.9-	51.6	49.8+	43.9
G97-1486	44.1	36.5	57.1	45.9	27.9	54.5	52.2+	45.5
G97-3149	52.3+	40.6	50.7	41.9	28.7	56.2	47.8+	45.4
G97-878	36.2	33.5	57.7	44.5	27.3	54.0	44.3+	42.5
N97-6344	24.6-	40.7	55.2	41.2	29.0	51.9	37.6	40.0
N97-9729	23.5-	28.9	55.7	32.9	30.1	51.9	28.2-	35.9
N97-9944	34.3	32.1	58.1	42.5	35.6	49.8	34.7	41.0
N98-7915	34.5	34.0	68.5+	34.8	25.9	52.3	34.0	40.6
N98-8560	38.1	38.9	53.4	36.8	28.8	56.1	29.8	40.3
R97-1053	34.7	31.8	44.3-	37.5	39.7+	58.9+	48.0+	42.1
R97-1137	35.7	36.3	53.8	48.6	47.6+	59.6+	32.9	44.9
R97-1181	20.1-	36.6	42.4-	35.0	47.7+	55.6	29.7	38.2
R97-1801	34.9	34.3	47.5-	40.4	37.1	57.5	44.9+	42.4
SC97-1770	46.6+	39.0	61.4	46.2	24.3	53.8	48.1+	45.6
SC97-353	36.2	32.6	40.7-	42.7	20.1-	48.5	45.1+	38.0
SC97-560	36.1	35.8	59.7	40.5	27.1	58.8+	46.8+	43.5
SC97-897	39.8	38.6	61.5	39.8	24.4	56.3	52.3+	44.7
TN97-258	36.3	38.7	51.4	52.0+	41.0+	56.1	35.9	44.5
TN99-355	.	24.3-	.	.	18.6-	46.0	37.7	31.6-
TN99-368	31.8	26.3	.	.	28.3	50.2	27.1-	32.7-
TN99-370	.	24.1-	.	.	24.8	48.3	31.2	32.1-
TN99-376	.	27.5	.	.	28.5	48.0	37.2	35.3
VS98-362	28.8	36.1	43.1-	35.5	36.0	50.1	28.8-	36.9
VS98-363	38.9	34.3	57.4	39.1	31.7	50.9	35.0	41.0
VS98-366	44.0	36.0	47.9-	38.0	25.4	41.0-	35.0	38.2
VS98-369	40.9	41.7	54.0	35.3	35.2	48.1	35.3	41.5
VS98-370	36.9	32.8	54.3	35.4	15.4-	46.1	37.6	36.9
N98-202	23.6-	44.1	44.6-	42.7	33.7	53.9	35.1	39.7
N98-234	32.5	37.6	62.2	45.6	34.2	56.0	40.2	44.0
N98-274	29.8	44.8+	42.4-	45.7	32.3	49.5	39.8	40.6
N98-445	32.2	39.4	49.4	31.9-	27.6	52.5	37.6	38.6
N98-650	26.9	35.7	50.7	36.6	30.0	46.6	35.7	37.5
L. S. D. (0.05)	9.1	9.6	9.3	9.7	7.3	7.2	7.0	6.0
C. V. (%)	12.6	13.3	10.3	11.7	11.9	6.4	8.8	13.3

TABLE 46 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	TALLASSEE AL	MEAN
DILLON	19.6	19.5	19.3	19.4	18.7	19.6	19.4
BOGGS	19.6	17.7	18.8	19.4	20.3	19.8	19.3
Au97-1387	20.8	20.5	19.3	19.6	17.5	20.6	19.7
Au97-1467	20.0	19.9	18.8	19.2	18.2	19.9	19.3
Au97-1637	20.2	21.1	19.0	19.2	17.4	20.0	19.5
Au97-486	19.6	19.5	19.0	19.5	18.3	20.3	19.4
Au97-55	18.8	18.8	18.4	18.6	17.6	18.6	18.5
G96-2247	19.4	19.5	18.1	18.9	18.6	20.0	19.1
G96-2309	19.4	18.7	18.0	18.7	17.4	19.3	18.6
G97-1486	20.0	18.5	19.1	19.5	19.3	20.6	19.5
G97-3149	19.1	18.0	19.1	17.8	17.3	19.2	18.4
G97-878	20.2	18.4	18.7	19.4	19.0	20.4	19.4
N97-6344	19.7	19.3	17.2	19.6	18.9	21.0	19.3
N97-9729	19.5	16.5	17.2	18.2	17.7	20.1	18.2
N97-9944	20.4	20.0	19.7	19.6	19.3	20.6	19.9
N98-7915	17.4	17.6	16.9	17.9	17.3	19.2	17.7
N98-8560	19.9	19.6	18.8	18.8	17.0	20.3	19.1
R97-1053	20.0	18.2	18.8	19.5	20.0	19.9	19.4
R97-1137	19.5	18.7	18.5	19.3	18.9	20.8	19.3
R97-1181	19.9	20.0	19.2	20.1	19.4	20.5	19.9
R97-1801	20.7	20.2	19.1	19.2	20.4	21.0	20.1
SC97-1770	19.2	19.0	18.4	18.4	16.3	20.4	18.6
SC97-353	19.4	18.8	18.1	20.6	20.3	19.4	19.4
SC97-560	20.3	20.6	19.3	18.3	18.3	20.9	19.6
SC97-897	18.1	18.1	17.9	19.3	17.5	18.9	18.3
TN97-258	20.1	20.2	18.3	18.4	19.2	19.3	19.3
TN99-355	.	18.6	.	.	18.5	18.5	18.5
TN99-368	18.6	18.4	.	.	18.6	18.2	18.5
TN99-370	.	17.6	.	.	18.4	18.3	18.1
TN99-376	.	18.3	.	.	18.5	17.9	18.2
VS98-362	19.0	18.4	18.1	18.4	18.1	19.7	18.6
VS98-363	18.8	18.8	17.9	19.1	17.4	19.2	18.5
VS98-366	19.4	19.7	18.7	17.9	17.5	19.5	18.8
VS98-369	19.1	18.4	17.6	18.0	18.4	19.5	18.5
VS98-370	19.2	18.2	17.6	18.9	17.7	21.2	18.8
N98-202	19.1	19.7	18.7	18.6	18.9	20.0	19.2
N98-234	19.2	18.9	18.4	18.5	18.2	19.6	18.8
N98-274	20.0	18.0	18.5	17.4	18.9	20.7	18.9
N98-445	18.2	18.9	17.5	18.8	16.4	17.7	17.9
N98-650	19.4	18.6	18.1	19.6	17.9	19.7	18.9

**TABLE 47 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI, 2000**

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	TALLASSEE AL	MEAN
DILLON	43.1	37.8	39.9	42.1	46.2	42.4	41.9
BOGGS	43.1	40.9	41.4	41.5	44.0	43.2	42.4
Au97-1387	39.3	37.5	39.4	40.9	44.4	38.7	40.0
Au97-1467	41.9	40.0	41.9	42.3	43.1	42.2	41.9
Au97-1637	40.8	38.6	40.7	41.7	42.2	42.1	41.0
Au97-486	41.2	39.4	38.0	39.5	42.2	39.7	40.0
Au97-55	42.5	41.1	40.5	42.6	43.1	43.0	42.1
G96-2247	40.5	36.4	38.5	40.6	43.1	40.0	39.9
G96-2309	39.4	39.5	39.4	42.2	41.3	41.3	40.5
G97-1486	41.6	39.2	39.9	41.2	42.6	39.0	40.6
G97-3149	41.0	40.2	36.0	41.8	42.9	40.9	40.5
G97-878	37.5	37.3	36.8	39.6	41.8	38.7	38.6
N97-6344	40.5	38.9	41.7	39.0	41.1	37.5	39.8
N97-9729	43.7	42.7	42.6	43.4	46.4	42.3	43.5
N97-9944	42.1	41.7	40.0	41.6	41.9	42.4	41.6
N98-7915	44.1	41.5	41.9	43.3	46.5	43.0	43.4
N98-8560	42.8	43.1	40.9	42.2	46.1	41.7	42.8
R97-1053	41.2	40.2	39.5	41.0	43.1	42.8	41.3
R97-1137	41.5	37.0	39.9	39.0	42.3	39.4	39.9
R97-1181	42.0	39.4	40.1	40.7	40.1	42.9	40.9
R97-1801	40.3	39.1	37.6	42.5	40.2	40.1	40.0
SC97-1770	40.7	39.4	40.4	41.9	46.3	39.8	41.4
SC97-353	39.6	39.8	40.9	39.5	16.7	41.6	36.4
SC97-560	40.1	36.8	40.5	42.1	43.5	40.7	40.6
SC97-897	40.6	38.8	41.6	43.3	44.3	40.6	41.5
TN97-258	43.1	40.3	41.7	40.1	44.3	42.6	42.0
TN99-355	.	41.7	.	.	44.7	44.2	43.5
TN99-368	44.8	42.3	.	.	45.0	44.5	44.2
TN99-370	.	43.0	.	.	46.5	43.2	44.2
TN99-376	.	43.4	.	.	45.4	45.9	44.9
VS98-362	40.1	36.1	36.5	43.3	43.3	39.6	39.8
VS98-363	43.1	42.7	42.8	44.5	44.1	41.4	43.1
VS98-366	44.1	41.7	42.8	47.8	46.2	43.2	44.3
VS98-369	43.6	43.7	43.2	46.4	44.7	43.3	44.2
VS98-370	44.6	41.6	43.7	42.5	44.7	38.8	42.7
N98-202	41.5	39.1	40.4	43.2	42.1	43.4	41.6
N98-234	42.2	40.9	41.8	43.2	43.6	41.8	42.3
N98-274	40.6	39.0	40.6	45.2	44.0	40.1	41.6
N98-445	45.0	40.8	43.4	44.4	46.8	45.9	44.4
N98-650	42.1	43.2	42.6	42.8	43.2	42.2	42.7

TABLE 48 - SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	TALLASSEE AL	MEAN
DILLON	16.4	12.5	16.2	15.0	10.8	16.4	14.6
BOGGS	16.6	10.1	13.5	13.0	11.2	14.7	13.2
Au97-1387	13.8	11.1	13.5	13.0	9.4	13.2	12.3
Au97-1467	14.7	13.1	13.8	13.8	9.8	13.4	13.1
Au97-1637	12.9	12.0	13.6	13.2	9.2	12.0	12.2
Au97-486	14.5	11.9	13.5	11.2	9.0	13.7	12.3
Au97-55	14.3	12.1	14.1	12.9	9.1	13.4	12.7
G96-2247	14.8	11.8	15.4	15.2	9.8	14.9	13.6
G96-2309	12.8	11.3	13.1	12.9	8.9	11.6	11.8
G97-1486	13.2	9.5	12.1	11.0	9.2	11.3	11.0
G97-3149	14.7	13.4	13.6	13.5	11.3	13.8	13.4
G97-878	12.2	10.7	13.3	13.7	10.0	13.9	12.3
N97-6344	19.3	15.4	17.5	17.3	11.4	15.9	16.1
N97-9729	14.0	10.6	15.7	14.6	9.7	14.1	13.1
N97-9944	17.2	14.6	15.9	14.1	11.0	16.1	14.8
N98-7915	20.9	13.4	21.1	18.5	13.8	18.8	17.8
N98-8560	17.0	15.0	15.4	14.8	12.1	14.8	14.9
R97-1053	17.2	12.9	15.3	15.7	11.4	14.8	14.6
R97-1137	17.7	12.6	15.7	15.5	11.0	13.7	14.4
R97-1181	16.9	14.0	14.2	14.7	11.5	16.6	14.7
R97-1801	14.7	11.6	11.9	14.0	9.6	12.3	12.4
SC97-1770	13.7	12.1	13.8	17.5	9.8	14.6	13.6
SC97-353	11.6	9.7	12.2	11.5	7.8	15.0	11.3
SC97-560	14.5	10.8	13.3	13.5	9.1	13.4	12.4
SC97-897	17.7	14.0	16.3	16.6	11.9	12.6	14.9
TN97-258	15.7	12.4	13.7	13.7	11.7	13.4	13.4
TN99-355	.	13.0	.	.	13.1	16.2	14.1
TN99-368	15.8	14.4	.	.	11.9	14.9	14.3
TN99-370	.	13.0	.	.	11.7	15.9	13.5
TN99-376	.	14.1	.	.	12.7	15.6	14.1
VS98-362	12.7	11.0	14.4	16.6	9.9	13.4	13.0
VS98-363	13.3	10.5	13.1	11.7	8.5	11.6	11.5
VS98-366	15.8	13.6	14.5	14.1	9.8	14.3	13.7
VS98-369	18.1	16.2	17.7	17.8	13.1	17.4	16.7
VS98-370	15.5	12.3	16.7	15.7	11.0	15.3	14.4
N98-202	12.7	12.2	12.7	13.3	9.6	12.9	12.2
N98-234	15.6	12.9	15.7	14.7	10.5	15.0	14.1
N98-274	16.2	11.5	14.9	16.9	12.4	14.3	14.4
N98-445	14.6	11.9	15.0	13.5	11.1	13.4	13.3
N98-650	12.3	12.0	14.1	12.2	9.6	12.1	12.1

TABLE 49 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	STUTTGART AR	TALLASSEE AL	MEAN
DILLON	21	34	33	41	35	29	30	32
BOGGS	20	27	26	35	26	30	30	28
Au97-1387	23	29	33	41	29	32	31	31
Au97-1467	22	24	29	35	32	36	30	30
Au97-1637	22	23	28	39	25	26	26	27
Au97-486	21	23	27	35	23	31	30	27
Au97-55	30	31	36	40	31	37	33	34
G96-2247	29	32	36	46	17	40	34	33
G96-2309	22	31	34	48	35	36	30	34
G97-1486	27	34	32	39	26	31	28	31
G97-3149	30	29	32	44	33	37	35	34
G97-878	24	31	33	48	37	33	35	34
N97-6344	24	32	32	37	27	34	31	31
N97-9729	21	32	27	36	31	30	25	29
N97-9944	18	19	28	37	28	27	25	26
N98-7915	25	34	35	41	37	37	28	34
N98-8560	25	29	33	42	19	34	29	30
R97-1053	19	29	24	33	21	30	29	26
R97-1137	21	33	32	41	30	35	30	32
R97-1181	16	30	22	.	26	26	28	25
R97-1801	17	24	25	33	26	25	23	25
SC97-1770	32	33	36	47	30	35	36	35
SC97-353	34	31	41	48	32	43	38	38
SC97-560	22	31	33	38	34	32	34	32
SC97-897	26	35	34	43	36	37	38	36
TN97-258	20	30	26	39	28	33	29	29
TN99-355	.	30	.	.	27	38	36	33
TN99-368	24	27	.	.	15	37	30	26
TN99-370	.	29	.	.	36	40	35	35
TN99-376	.	26	.	.	29	34	29	29
VS98-362	22	34	29	41	27	26	26	29
VS98-363	27	25	31	45	26	35	30	31
VS98-366	27	28	33	40	34	40	30	33
VS98-369	25	31	32	44	24	26	34	31
VS98-370	32	38	47	51	52	47	36	43
N98-202	20	29	31	44	29	32	27	30
N98-234	27	27	37	47	26	37	35	33
N98-274	27	34	28	37	29	35	31	31
N98-445	31	31	32	42	21	42	38	34
N98-650	25	28	31	38	25	29	28	29

TABLE 50 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VI, 2000

STRAIN/ VARIETY	ATHENS GA	CLEMSON SC	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	STUTTGART AR	TALLASSEE AL	MEAN
DILLON	2	2	1	1	2	1	1	1
BOGGS	2	2	2	2	2	2	1	2
Au97-1387	1	1	4	2	2	2	1	2
Au97-1467	1	1	4	2	2	1	1	2
Au97-1637	1	1	3	2	2	2	1	2
Au97-486	1	2	3	2	3	2	1	2
Au97-55	2	2	4	3	3	2	1	2
G96-2247	2	3	2	3	3	2	1	2
G96-2309	1	1	2	3	3	2	1	2
G97-1486	2	3	3	3	3	1	1	2
G97-3149	2	2	1	2	2	2	1	2
G97-878	2	3	2	3	4	2	1	2
N97-6344	2	4	2	2	4	2	1	2
N97-9729	1	3	1	2	3	2	1	2
N97-9944	2	1	2	2	2	1	1	2
N98-7915	2	3	2	2	3	2	1	2
N98-8560	1	1	2	2	3	2	1	2
R97-1053	1	1	1	1	2	1	1	1
R97-1137	1	2	2	3	2	1	1	2
R97-1181	1	1	2	.	2	1	1	1
R97-1801	1	1	2	2	2	1	1	1
SC97-1770	2	3	3	3	3	3	1	2
SC97-353	3	2	5	3	4	4	1	3
SC97-560	2	2	2	2	2	2	1	2
SC97-897	2	2	2	3	2	2	1	2
TN97-258	1	1	1	2	2	1	1	1
TN99-355	.	4	.	.	3	3	1	3
TN99-368	2	4	.	.	3	2	1	2
TN99-370	.	4	.	.	3	3	1	3
TN99-376	.	4	.	.	2	2	1	2
VS98-362	1	2	2	2	2	1	1	2
VS98-363	1	1	2	3	3	2	1	2
VS98-366	2	1	2	2	3	2	1	2
VS98-369	1	3	3	3	4	3	1	2
VS98-370	2	1	2	2	4	3	1	2
N98-202	1	2	2	3	2	2	1	2
N98-234	2	2	3	3	2	2	1	2
N98-274	2	3	2	3	5	2	1	2
N98-445	2	3	2	3	5	4	1	3
N98-650	2	2	3	2	3	2	2	2

**TABLE 51 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VI, 2000**

STRAIN/ VARIETY	ATHENS GA	PETERSBURG VA	PLYMOUTH NC	STONEVILLE MS	TALLASSEE AL	MEAN
DILLON	1	1	2	3	1	2
BOGGS	1	2	2	3	1	2
Au97-1387	1	1	2	3	2	2
Au97-1467	1	1	2	3	1	2
Au97-1637	1	1	2	3	1	2
Au97-486	1	1	2	3	1	2
Au97-55	1	1	2	3	1	2
G96-2247	1	2	2	3	1	2
G96-2309	1	1	2	3	2	2
G97-1486	1	1	2	3	1	2
G97-3149	1	1	2	3	1	2
G97-878	1	1	2	3	1	2
N97-6344	1	1	2	3	1	2
N97-9729	1	1	2	3	1	2
N97-9944	1	1	2	3	1	2
N98-7915	1	1	2	3	1	2
N98-8560	1	1	2	3	1	2
R97-1053	1	3	2	3	1	2
R97-1137	1	2	2	3	1	2
R97-1181	1	2	2	3	1	2
R97-1801	1	3	2	3	1	2
SC97-1770	1	1	2	3	1	2
SC97-353	2	1	2	3	1	2
SC97-560	2	2	2	3	1	2
SC97-897	1	1	2	3	1	2
TN97-258	1	1	2	3	1	2
TN99-355	.	.	.	3	1	2
TN99-368	2	.	.	3	1	2
TN99-370	.	.	.	3	2	3
TN99-376	.	.	.	3	1	2
VS98-362	1	3	2	3	2	2
VS98-363	1	2	2	3	1	2
VS98-366	1	1	2	3	1	2
VS98-369	2	1	3	3	1	2
VS98-370	1	1	3	3	1	2
N98-202	1	1	2	3	1	2
N98-234	1	1	2	3	1	2
N98-274	1	1	2	3	1	2
N98-445	1	1	2	3	2	2
N98-650	1	1	2	3	1	2

UNIFORM GROUP VII

2000

Uniform Group VII nurseries were planted at 16 locations. Data were obtained from 15 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,
2000**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	HUTCHESON X COKER 6738	
2. HASKELL	JOHNSTON X BRAXTON	
3. Au96-1693	N90-1085 X D87-4429	F6
4. Au96-205	N90-1085 X R90-844	F6
5. G93-1749	G85-373 X Coker 6727	F5d
6. G94-1917	G86-1434 X G85-373	F5d
7. G95-2484	G86-1434 X HY798	F5d
8. G95-2853	G87-1968 X G86-1267	F5d
9. G95-2935	G87-1968 X G86-1267	F5d
10. N96-6767	N90-7202 X N90-7199	F4
11. N96-6809	N90-7202 X N90-7199	F4
12. N96-7018	N90-7199 X N90-7241	F4
13. SC94-1573	NK' S S83-30 X BRYAN	F5
14. SC95-988	HAGOOD X G83-198	F5
15. SC96-1476	SC89-181 X SC84-931	F5
16. SC96-1628	SC89-181 X NK' S S75-55	F5
17. SC96-1688	SC89-181 X NK' S S75-55	F5
18. N97-467	Graham X D87-4429	F6
19. N95-614	N95-492 X N88-480	F6

**TABLE 53 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VII, 2000**

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	2000	99-00	98-00	2000	99-00	98-00	2000	99-00	98-00
BENNING	40.3	41.2	41.1	41.7	41.6	42.0	20.3	20.2	20.1
HASKELL	40.0	40.3	40.0	39.8	40.3	41.1	20.0	19.9	19.9
Au96-1693	41.6	.	.	43.8	.	.	18.6	.	.
Au96-205	40.4	.	.	43.0	.	.	19.8	.	.
G93-1749	42.7	42.5	42.4	40.9	41.8	42.4	19.4	19.3	19.3
G94-1917	41.0	41.4	.	40.9	41.5	.	19.2	19.2	.
G95-2484	43.5	.	.	40.6	.	.	19.6	.	.
G95-2853	40.0	.	.	39.4	.	.	19.3	.	.
G95-2935	40.4	.	.	39.6	.	.	19.3	.	.
N96-6767	39.3	39.5	.	41.2	41.3	.	20.0	19.8	.
N96-6809	41.2	40.7	.	39.5	40.1	.	20.8	20.4	.
N96-7018	38.0	.	.	42.2	.	.	19.7	.	.
SC94-1573	41.5	42.2	42.1	40.1	40.2	40.7	19.5	19.9	20.0
SC95-988	42.7	42.8	.	41.8	42.1	.	20.0	20.0	.
SC96-1476	44.0	.	.	41.2	.	.	19.0	.	.
SC96-1628	41.5	.	.	41.7	.	.	19.5	.	.
SC96-1688	42.9	.	.	41.3	.	.	20.0	.	.
N97-467	39.1	.	.	41.4	.	.	19.9	.	.
N95-614	42.1	42.9	42.3	38.6	39.0	39.6	21.9	21.8	22.0

†Data not included in mean: (1998) - Jay, FL; Jackson Springs, NC

TABLE 53 - Continued

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
BENNING	P	10/22	2	31	1	13.3	T	T
HASKELL	P	2+	2	32	1	13.1	T	T
Au96-1693	W	4+	2	33	1	12.7	T	T
Au96-205	P	0	2	30	2	12.1	G	T
G93-1749	P	2+	2	32	2	12.6	T	T
G94-1917	W	2+	1	31	2	11.0	T	T
G95-2484	P	3+	2	35	2	13.8	T	T
G95-2853	P	1+	2	33	2	11.1	T	T
G95-2935	P	0	2	32	2	11.3	T	T
N96-6767	P	2+	2	28	2	11.9	G	BR
N96-6809	P	0	2	28	2	12.0	G	BR
N96-7018	P	2+	2	30	1	11.1	G	T
SC94-1573	P	1+	1	33	1	12.7	G	T
SC95-988	W	1-	1	31	1	10.7	G	T
SC96-1476	P	1+	2	33	1	11.4	G	T
SC96-1628	P	0	1	35	1	12.0	G	T
SC96-1688	P	0	2	35	2	11.7	T	T
N97-467	P	0	1	26	2	13.4	G	BR
N95-614	W	3+	2	31	1	11.9	T	T

TABLE 53 - Continued

PEST REACTIONS						
STRAIN/ VARIETY	SCN 2	SCN 3	SCN 14	M. A. GA	M. I. GA	SMV
BENNING	.	2.1	4.6	4.0	1.0	R
HASKELL	.	4.8	4.4	1.3	1.0	S
Au96-1693	.	4.4	3.4	4.0	2.8	S
Au96-205	.	5.0	4.7	3.5	2.8	R
G93-1749	.	1.3	3.8	1.8	1.0	S
G94-1917	.	1.3	4.6	1.8	1.0	S
G95-2484	.	4.7	4.3	3.5	1.0	R
G95-2853	.	2.0	4.7	2.8	1.0	S
G95-2935	.	1.6	4.3	3.0	1.0	S
N96-6767	.	4.6	4.2	3.8	3.0	R
N96-6809	.	5.0	4.5	2.8	2.3	R
N96-7018	.	4.9	4.4	3.3	2.3	R
SC94-1573	.	1.0	4.7	4.5	1.0	R
SC95-988	.	1.0	4.0	4.0	1.0	R
SC96-1476	.	1.0	1.2	4.0	1.0	R
SC96-1628	.	1.0	2.0	3.0	1.0	M
SC96-1688	.	1.1	2.0	2.5	1.3	R
N97-467	.	5.0	4.7	4.0	1.3	R
N95-614	.	5.0	5.0	4.0	2.3	R

**TABLE 54 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VII, 2000**

STRAIN/ VARIETY	EAST			MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC	
BENNING	50.5	37.6	32.6	40.2
HASKELL	60.0	38.2	36.3	44.8
Au96-1693	57.8	40.6	30.1	42.9
Au96-205	54.6	36.7	35.8	42.3
G93-1749	60.0	43.0	30.2	44.4
G94-1917	51.8	40.1	27.1	39.7
G95-2484	59.8	37.9	35.8	44.5
G95-2853	53.9	40.7	30.1	41.6
G95-2935	49.8	42.0	26.6	39.5
N96-6767	61.7	37.8	23.7	41.0
N96-6809	53.2	33.6	27.3	38.0
N96-7018	49.8	36.8	27.2	38.0
SC94-1573	58.1	42.5	28.6	43.1
SC95-988	62.5	43.7	29.8	45.3
SC96-1476	58.0	45.6	29.1	44.2
SC96-1628	57.8	41.4	30.1	43.1
SC96-1688	54.5	42.1	28.0	41.5
N97-467	59.9	37.1	33.7	43.5
N95-614	64.2	46.4	29.0	46.5
L. S. D. (0.05)	8.0	7.8	5.2	.
C. V. (%)	8.5	11.8	9.4	.

TABLE 54 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	35.7	62.9	33.0	34.2	43.8	27.6	47.5	24.6	38.4	49.9	41.1	45.1	40.3
HASKELL	29.4	66.7	41.5	37.0	37.1	33.3	37.8	23.8	32.5	52.2	32.5	42.5	38.9
Au96-1693	32.8	66.4	38.4	35.4	44.3	24.2	38.2	20.9	45.7	55.5	46.3	47.9	41.3
Au96-205	32.7	69.5	43.8	35.2	39.1	28.4	42.3	24.6	37.2	49.7	39.6	37.1	39.9
G93-1749	47.8	59.1	35.9	32.2	35.9	27.1	51.4	31.8	40.3	52.7	42.5	50.3	42.2
G94-1917	38.0	54.3	38.8	26.6	43.2	25.4	42.8	29.0	46.9	50.2	48.2	52.0	41.3
G95-2484	.	63.9	42.8	45.9	33.9	32.7	45.4	26.3	46.6	57.5	38.0	42.5	43.2
G95-2853	28.7	56.7	38.1	34.8	33.5	34.1	43.0	27.8	34.2	50.4	44.2	49.6	39.6
G95-2935	26.0	61.9	38.4	29.9	37.8	30.6	40.4	27.5	44.7	55.2	50.5	44.2	40.6
N96-6767	23.8	60.5	41.6	35.4	38.2	38.6	38.2	24.2	38.5	52.2	35.5	40.1	38.9
N96-6809	45.6	61.9	43.3	27.6	52.9	32.2	37.0	24.2	41.0	54.5	36.3	47.3	42.0
N96-7018	34.6	56.3	39.5	34.4	38.8	25.1	31.1	25.4	41.1	48.3	36.9	44.6	38.0
SC94-1573	39.3	56.3	40.2	32.5	39.4	30.1	41.1	28.7	44.7	53.1	45.2	43.0	41.1
SC95-988	37.2	59.8	45.6	41.2	40.4	26.2	32.0	27.0	46.7	52.1	45.6	50.0	42.0
SC96-1476	38.2	62.2	46.3	37.3	44.6	28.8	42.8	33.5	41.9	50.2	55.9	46.1	44.0
SC96-1628	31.1	58.8	42.3	34.7	43.9	29.1	30.8	33.5	38.6	53.2	45.8	51.5	41.1
SC96-1688	39.4	59.8	41.5	35.2	40.7	29.5	41.8	33.5	49.7	53.6	50.5	43.5	43.2
N97-467	24.0	53.9	36.3	36.8	39.8	25.5	37.3	28.2	40.5	49.6	39.4	44.1	38.0
N95-614	28.2	66.4	48.5	39.1	40.4	32.8	45.9	28.2	32.2	57.3	38.1	35.1	41.0
L. S. D. (0.05)	10.5	8.2	8.1	8.6	8.3	8.4	9.2	0.0	6.3	5.7	13.1	12.5	.
C. V. (%)	18.6	8.0	12.0	14.8	12.4	17.1	13.8	20.1	9.3	6.6	18.6	16.8	.

TABLE 55 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

OIL PERCENTAGE

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	20.4	21.6	19.3	.	18.4	19.5	20.6	20.7	20.8	20.6	20.5	20.3	20.4	.	20.3
HASKELL	19.2	20.1	19.7	.	19.2	19.5	20.1	20.3	20.4	20.3	20.2	20.8	19.9	.	20.0
Au96-1693	17.2	18.5	17.8	.	17.6	18.6	18.3	18.6	18.9	19.5	19.6	19.5	18.5	.	18.6
Au96-205	19.5	19.7	19.9	.	19.7	19.0	20.4	19.8	20.1	20.3	19.5	19.5	20.0	.	19.8
G93-1749	19.2	19.7	19.3	.	18.8	18.9	19.1	19.7	20.1	19.3	19.9	20.1	18.9	.	19.4
G94-1917	18.9	19.8	19.3	.	18.5	18.6	18.7	19.4	19.4	19.1	19.7	19.2	19.9	.	19.2
G95-2484	17.9	20.3	19.3	.	18.7	18.9	20.4	19.8	19.3	20.3	19.9	20.6	19.7	.	19.6
G95-2853	18.4	19.5	18.3	.	17.8	18.8	19.3	19.6	19.2	20.4	20.5	20.2	19.2	.	19.3
G95-2935	17.8	19.3	18.3	.	18.1	18.8	19.9	19.5	19.2	21.1	20.3	20.3	19.3	.	19.3
N96-6767	18.7	20.5	19.4	.	19.0	19.4	19.9	20.4	21.2	21.5	20.5	20.4	19.3	.	20.0
N96-6809	20.1	21.2	20.6	.	19.1	19.5	20.5	21.2	21.1	22.7	21.8	21.4	20.6	.	20.8
N96-7018	19.3	19.8	19.5	.	18.4	19.1	19.4	20.3	20.2	21.4	20.5	19.0	19.7	.	19.7
SC94-1573	18.3	20.0	18.7	.	18.1	19.8	19.7	20.1	19.4	19.0	20.7	20.9	19.6	.	19.5
SC95-988	19.4	20.1	19.6	.	18.6	19.3	20.0	20.8	20.6	20.1	21.0	20.7	19.7	.	20.0
SC96-1476	18.9	19.2	18.8	.	17.6	19.0	18.6	19.1	19.0	19.3	20.1	19.0	18.8	.	19.0
SC96-1628	18.5	19.9	19.8	.	17.7	19.1	19.2	20.1	19.6	19.4	20.9	20.7	19.5	.	19.5
SC96-1688	20.2	20.2	20.1	.	19.7	19.0	19.6	20.2	19.7	20.5	20.2	20.2	20.0	.	20.0
N97-467	19.3	20.1	19.7	.	19.0	19.3	19.8	19.9	19.6	21.2	20.9	20.5	19.9	.	19.9
N95-614	21.0	21.4	21.4	.	20.2	20.9	22.8	21.9	21.4	23.6	23.2	23.2	21.9	.	21.9

TABLE 55 - Continued

PROTEIN PERCENTAGE

STRAIN/ VARIETY	ATHENS	BLACKVILLE	BLACKVILLE	CALHOUN	CLEMSON	CLINTON	FAIRHOPE	FLORENCE	JACKSON SPRINGS	JAY	MIDVILLE	PLAINS	TALLASSEE	TIFTON	MEAN
	GA	SC	SC(B)	GA	SC	NC	AL	SC	NC	FL	GA	GA	AL	GA	
BENNING	41.4	40.6	42.8	.	40.2	43.0	43.9	40.9	42.3	44.3	39.0	40.3	41.4	.	41.7
HASKELL	40.7	39.5	39.1	.	37.2	40.6	42.1	40.3	38.1	41.4	39.3	39.6	39.5	.	39.8
Au96-1693	43.8	42.8	43.7	.	42.8	43.6	47.8	44.3	43.9	45.5	42.6	42.0	43.2	.	43.8
Au96-205	43.1	43.2	42.8	.	41.3	44.5	44.0	42.7	42.6	45.2	41.6	41.5	43.2	.	43.0
G93-1749	41.4	39.3	41.8	.	38.4	42.2	43.3	41.4	37.6	43.5	40.6	40.0	41.8	.	40.9
G94-1917	40.2	38.8	41.1	.	40.1	41.5	43.4	41.1	40.0	44.0	41.3	40.5	38.4	.	40.9
G95-2484	42.6	39.6	40.7	.	39.8	41.1	41.3	41.3	39.4	41.9	40.5	38.8	39.8	.	40.6
G95-2853	38.1	39.6	40.3	.	38.0	40.4	41.0	39.9	38.8	40.6	37.3	38.8	40.2	.	39.4
G95-2935	39.1	39.4	40.6	.	37.1	41.3	42.2	40.0	40.3	38.6	39.5	37.6	38.9	.	39.6
N96-6767	43.2	40.5	42.2	.	41.2	42.7	43.6	40.0	39.0	39.1	40.7	39.4	42.5	.	41.2
N96-6809	41.0	38.0	40.0	.	41.6	41.3	41.7	39.0	38.6	37.3	37.9	36.8	40.4	.	39.5
N96-7018	42.5	41.8	42.4	.	41.0	43.8	45.0	42.6	41.6	40.2	41.2	42.0	42.4	.	42.2
SC94-1573	40.4	38.6	42.0	.	38.7	43.3	42.4	40.0	38.5	40.2	39.8	38.7	38.9	.	40.1
SC95-988	39.7	41.3	43.3	.	41.3	40.8	45.2	42.1	40.6	43.1	41.5	40.0	42.9	.	41.8
SC96-1476	41.8	41.4	42.3	.	39.2	40.4	45.0	41.7	41.4	42.8	37.7	40.5	40.3	.	41.2
SC96-1628	41.3	41.4	41.9	.	38.9	42.8	46.0	41.8	42.0	42.1	40.3	40.4	41.5	.	41.7
SC96-1688	40.8	41.4	41.3	.	38.0	42.3	43.9	41.5	41.7	41.6	41.1	40.6	40.9	.	41.3
N97-467	41.9	41.5	42.2	.	42.6	41.8	43.0	41.8	42.8	39.8	38.5	38.5	42.1	.	41.4
N95-614	38.2	39.2	38.3	.	40.0	39.6	40.8	39.5	38.7	37.9	35.2	36.4	39.4	.	38.6

TABLE 55 - Continued

GRAMS PER 100 SEED

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	16.5	16.3	15.7	17.0	12.0	16.4	16.1	14.7	16.2	17.1	12.5	13.0	16.3	17.0	15.5
HASKELL	15.3	16.5	15.9	15.0	12.9	16.7	13.5	14.8	15.9	15.2	13.9	14.2	15.1	17.3	15.2
Au96-1693	14.9	16.2	15.6	16.0	12.3	15.6	12.1	13.8	15.4	15.9	13.4	13.1	15.4	17.3	14.8
Au96-205	15.7	15.4	14.6	14.0	11.4	15.1	14.2	13.0	13.8	17.0	11.8	11.5	13.5	15.7	14.0
G93-1749	15.1	15.2	15.5	15.0	12.0	15.4	15.0	14.3	13.8	17.3	12.9	12.7	13.8	18.7	14.8
G94-1917	14.1	14.4	15.4	14.0	11.6	14.0	14.1	13.1	12.9	14.6	12.6	12.1	14.7	17.7	13.9
G95-2484	.	17.6	17.5	15.0	12.6	17.6	15.0	15.7	16.6	16.3	15.1	15.5	16.4	18.3	16.1
G95-2853	13.4	13.5	13.4	13.0	11.7	14.3	12.3	12.3	13.5	12.5	11.1	12.0	13.0	15.7	13.0
G95-2935	14.2	14.5	13.7	14.0	11.9	14.4	10.6	12.9	13.6	12.9	11.7	12.2	13.1	15.0	13.2
N96-6767	15.0	15.4	15.2	13.0	12.3	15.1	11.3	14.6	14.2	11.7	12.3	12.4	14.6	17.3	13.9
N96-6809	14.4	14.9	14.6	13.0	12.5	15.4	11.6	14.2	15.5	13.3	12.0	12.2	13.8	16.7	13.9
N96-7018	14.6	15.2	14.6	15.0	11.9	15.1	12.4	14.2	15.0	12.2	13.4	13.4	14.2	16.3	14.1
SC94-1573	15.8	15.8	15.3	16.0	12.8	15.3	12.9	13.9	14.5	16.0	13.2	13.2	15.4	15.7	14.7
SC95-988	15.3	15.5	13.7	12.0	10.4	14.5	10.9	13.6	13.0	15.0	11.9	11.2	13.5	13.7	13.2
SC96-1476	14.3	14.5	14.2	12.0	10.4	13.8	12.4	12.3	13.6	15.7	11.2	11.2	13.7	15.7	13.2
SC96-1628	13.1	15.4	14.2	14.0	11.2	15.9	11.0	13.6	14.5	14.0	13.5	13.7	14.9	16.7	14.0
SC96-1688	14.3	15.5	14.1	14.0	11.9	13.8	12.3	12.7	14.7	14.2	11.7	11.8	14.6	14.3	13.6
N97-467	16.9	16.8	16.2	15.0	15.2	15.9	14.5	15.0	17.6	15.6	13.0	11.4	15.8	15.0	15.3
N95-614	14.5	15.9	15.3	15.0	13.0	14.1	12.5	13.9	14.8	13.3	10.7	12.8	13.0	18.0	14.1

TABLE 56 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN BENNING FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

EAST

STRAIN/ VARIETY	CLINTON	FLORENCE	JACKSON SPRINGS	
	NC	SC	NC	MEAN
BENNING	10/26	10/20	10/27	10/24
HASKELL	4	2	0	2
Au96-1693	4	5	2	4
Au96-205	2	2	0	2
G93-1749	0	2	0	1
G94-1917	4	2	0	2
G95-2484	4	4	0	3
G95-2853	4	0	0	2
G95-2935	0	-1	0	0
N96-6767	4	3	0	3
N96-6809	4	2	0	2
N96-7018	4	3	0	3
SC94-1573	0	1	0	1
SC95-988	0	0	0	0
SC96-1476	2	4	0	2
SC96-1628	4	2	0	2
SC96-1688	4	3	0	3
N97-467	4	1	0	2
N95-614	4	5	0	3

TABLE 56 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	10/25	.	10/26	10/27	10/22	10/27	10/19	10/25	.	.	10/19	10/11	10/22
HASKELL	-2	.	4	5	0	4	0	0	.	.	2	5	2
Au96-1693	4	.	5	7	2	2	-1	7	.	.	5	3	4
Au96-205	-2	.	1	-1	0	-3	0	0	.	.	1	1	0
G93-1749	1	.	3	3	-6	2	0	7	.	.	5	4	2
G94-1917	0	.	1	3	1	2	0	7	.	.	4	2	2
G95-2484	2	.	3	7	-1	4	1	5	.	.	5	7	4
G95-2853	-1	.	-1	2	-2	2	1	5	.	.	0	2	1
G95-2935	-1	.	-1	1	0	1	-3	3	.	.	0	1	0
N96-6767	2	.	0	4	-5	3	-1	0	.	.	5	6	2
N96-6809	-1	.	1	0	-1	0	-1	-9	.	.	3	3	0
N96-7018	3	.	1	4	1	1	-2	-6	.	.	5	5	2
SC94-1573	0	.	2	5	-5	3	0	-4	.	.	5	3	1
SC95-988	-5	.	2	7	0	4	-6	-5	.	.	-1	-4	-1
SC96-1476	2	.	3	3	-1	1	-1	-3	.	.	1	4	1
SC96-1628	0	.	1	2	-4	1	-4	-4	.	.	2	3	0
SC96-1688	0	.	0	2	-9	-1	-1	0	.	.	4	3	0
N97-467	-5	.	-2	-1	1	-3	1	7	.	.	1	0	0
N95-614	1	.	8	7	0	2	-1	-4	.	.	6	5	3

TABLE 57 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

STRAIN/ VARIETY	EAST				MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC		
BENNING	42	31	36		36
HASKELL	39	32	38		36
Au96-1693	43	34	36		37
Au96-205	40	33	36		36
G93-1749	39	35	37		37
G94-1917	39	32	39		37
G95-2484	47	36	41		41
G95-2853	37	35	40		37
G95-2935	43	33	35		37
N96-6767	37	26	31		31
N96-6809	35	28	33		32
N96-7018	36	30	37		34
SC94-1573	43	34	40		39
SC95-988	36	31	37		35
SC96-1476	39	33	36		36
SC96-1628	41	36	38		38
SC96-1688	44	39	40		41
N97-467	33	25	32		30
N95-614	38	34	35		36

TABLE 57 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	24	27	25	37	24	28	20	38	44	31	33	30
HASKELL	24	28	26	38	31	31	21	38	41	32	29	31
Au96-1693	26	27	27	40	25	28	23	36	42	33	36	31
Au96-205	23	27	22	36	25	28	20	35	35	30	33	29
G93-1749	28	28	25	35	25	34	23	36	41	30	33	31
G94-1917	25	28	20	35	26	27	23	36	38	31	35	29
G95-2484	.	27	29	37	31	31	22	36	43	34	33	32
G95-2853	25	28	28	39	31	30	24	35	42	34	36	32
G95-2935	25	27	23	39	29	28	20	34	42	32	35	30
N96-6767	24	24	22	33	29	26	18	30	34	26	33	27
N96-6809	27	26	20	31	23	26	20	30	35	26	27	26
N96-7018	25	26	24	35	26	27	21	34	34	31	31	29
SC94-1573	26	29	22	37	29	30	24	38	43	35	34	32
SC95-988	23	29	27	34	27	29	24	34	36	27	33	29
SC96-1476	27	27	28	34	29	33	24	37	42	34	34	32
SC96-1628	26	32	27	41	30	32	22	43	46	36	37	34
SC96-1688	29	29	27	38	28	34	24	38	45	42	37	34
N97-467	21	21	23	31	19	21	19	34	31	26	25	25
N95-614	21	30	24	34	27	31	24	31	39	28	31	29

TABLE 58 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

STRAIN/ VARIETY	EAST			MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC	
BENNING	4	1	2	2
HASKELL	4	1	2	2
Au96-1693	3	1	2	2
Au96-205	3	1	2	2
G93-1749	3	1	2	2
G94-1917	3	1	2	2
G95-2484	4	1	2	2
G95-2853	3	1	2	2
G95-2935	3	1	2	2
N96-6767	4	1	2	2
N96-6809	3	1	3	2
N96-7018	3	1	3	2
SC94-1573	3	1	2	2
SC95-988	2	1	2	2
SC96-1476	3	1	2	2
SC96-1628	2	1	2	2
SC96-1688	3	1	2	2
N97-467	3	1	2	2
N95-614	3	1	2	2

TABLE 58 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	BLACKVILLE SC(B)	CALHOUN GA	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	1	2	1	1	1	1	1	2	2	1	2	1
HASKELL	2	3	1	2	3	1	1	2	3	2	1	2
Au96-1693	2	3	1	1	2	1	1	2	2	1	1	2
Au96-205	1	2	1	1	1	1	1	2	2	1	2	1
G93-1749	2	2	1	1	1	1	1	2	2	1	2	1
G94-1917	1	1	1	1	1	1	1	2	2	1	1	1
G95-2484	.	3	2	1	3	1	1	3	3	1	2	2
G95-2853	2	2	1	1	1	1	1	2	2	1	1	1
G95-2935	2	2	1	1	2	1	1	3	2	1	2	1
N96-6767	2	2	1	1	2	1	1	4	2	1	1	2
N96-6809	2	2	1	1	1	1	1	3	2	1	1	1
N96-7018	2	2	1	1	2	1	1	3	2	1	1	2
SC94-1573	1	1	1	1	2	1	1	2	2	1	1	1
SC95-988	1	1	1	1	1	1	1	1	2	1	1	1
SC96-1476	1	1	2	1	2	1	1	2	2	1	1	1
SC96-1628	1	2	1	1	1	1	1	2	2	1	2	1
SC96-1688	2	1	1	1	1	1	1	3	2	1	1	1
N97-467	1	1	1	1	1	1	1	2	1	1	1	1
N95-614	1	3	1	1	2	1	1	2	2	1	1	1

TABLE 59 - SEED QUALITY FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

EAST

STRAIN/ VARIETY	CLINTON	JACKSON SPRINGS	MEAN
	NC	NC	
BENNING	2	2	2
HASKELL	2	2	2
Au96-1693	2	2	2
Au96-205	2	2	2
G93-1749	2	2	2
G94-1917	2	2	2
G95-2484	2	2	2
G95-2853	2	2	2
G95-2935	2	2	2
N96-6767	2	2	2
N96-6809	2	2	2
N96-7018	2	2	2
SC94-1573	2	2	2
SC95-988	2	2	2
SC96-1476	2	2	2
SC96-1628	2	2	2
SC96-1688	2	2	2
N97-467	2	2	2
N95-614	2	2	2

TABLE 59 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	CALHOUN GA	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TIFTON GA	MEAN
BENNING	1	1	1	2	2	1	1	1	2	1
HASKELL	1	1	2	1	2	1	1	1	2	1
Au96-1693	1	1	1	1	2	1	1	1	2	1
Au96-205	1	1	2	1	2	1	1	1	3	2
G93-1749	1	1	1	2	2	1	1	1	2	1
G94-1917	1	2	1	1	3	1	1	2	2	2
G95-2484	.	1	2	1	2	1	1	1	2	1
G95-2853	2	1	2	1	3	1	1	1	2	2
G95-2935	1	1	2	1	3	1	1	1	2	2
N96-6767	1	1	2	1	2	2	1	1	2	1
N96-6809	1	2	2	1	2	1	1	1	3	1
N96-7018	2	1	1	1	1	1	1	1	2	1
SC94-1573	1	1	1	1	2	1	1	1	2	1
SC95-988	1	1	1	1	2	1	1	1	1	1
SC96-1476	1	1	1	2	1	1	1	1	2	1
SC96-1628	1	1	1	1	2	1	1	2	2	1
SC96-1688	1	1	2	1	2	1	1	1	2	1
N97-467	1	2	1	2	2	2	1	2	2	2
N95-614	1	1	2	1	2	1	1	1	2	1

PRELIMINARY GROUP VII

2000

Preliminary Group VII nurseries were planted at 5 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, 2000

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. BENNING	HUTCHESON X COKER 6738	
2. HASKELL	JOHNSTON X BRAXTON	
3. Au97-117	SC89-181 X Au90-592	F6
4. Au97-1392	SC90-2089 X Benni ng	F6
5. Au97-1479	N91-1639 X Benni ng	F6
6. Au97-1584	N91-1639 X Benni ng	F6
7. Au97-79	SC89-181 X Au90-592	F6
8. Au97-98	SC89-181 X Au90-592	F6
9. G96-1170	G86-1434 X D87-4429	F5d
10. G96-2272	DPL3776 X G86-1267	F4d
11. G97-1417	Dol es X D87-4429	F6d
12. G97-145	N91-639 X G89-375	F5d
13. G97-2773	Dol es X G86-1267	F7d
14. G97-5705	G85-9853 X Cook	F7d
15. G97-881	G86-1267 X Manoki n	F5d
16. N97-6450	N92-7005 X N91-8005	F4
17. N97-9599	N90-7199 X COOK	F4
18. N97-9626	N90-7199 X COOK	F4
19. N97-9631	N90-7199 X COOK	F4
20. N97-9658	N90-7199 X COOK	F4
21. N97-9827	N90-7199 X N91-7254	F4
22. N98-8443	N91-8005 X COOK	F4
23. SC97-1257	SC89-181 X DOLES	F5
24. SC97-1606	SC89-181 X NK' S S83-30	F5
25. SC97-1829	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
26. SC97-1988	HAGOOD X D90-7306	F5
27. SC97-259	NK' S S83-30 X MANOKIN	F7
28. SC97-674	HUTCHESON X SC89-551	F5
29. SC97-954	NK' S S75-55 X (HAGOOD X MANOKIN)	F5
30. N98-198	V88-494 X N90-1101	F6
31. N98-223	V88-494 X N90-1101	F6
32. N98-428	Cook X N93-1188	F6
33. N98-452	Cook X N93-1188	F6
34. N98-479	Cook X N93-1188	F6

TABLE 61 - GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP VII, 2000 - MEAN OF 5 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14
							PROTEIN	OIL			
BENNING	36.9	10/21	2	30	2	15.0	41.4	20.2	.	1.6	5.0
HASKELL	37.7	1+	3	30	2	14.5	40.1	19.7	.	5.0	5.0
Au97-117	39.4	1-	2	27	2	10.8	42.0	18.8-	.	1.0	4.6
Au97-1392	33.6	0	2	26	2	13.3	42.1	20.0	.	1.0	5.0
Au97-1479	38.5	4+	2	29	2	13.7	36.6-	19.7	.	1.3	4.7
Au97-1584	39.8	1+	2	30	2	14.4	41.8	19.6	.	2.3	4.7
Au97-79	40.5	2+	2	30	2	11.7	42.1	18.8-	.	1.2	3.0
Au97-98	40.6	1+	2	31	2	12.1	41.8	19.2-	.	1.0	2.1
G96-1170	43.9	1+	3	31	2	13.7	42.8	18.2-	.	1.0	2.3
G96-2272	46.3+	1+	2	34	2	12.9	41.8	19.0-	.	1.7	4.3
G97-1417	44.3	1+	2	31	2	15.1	42.3	18.7-	.	1.0	4.3
G97-145	38.8	2-	2	25	2	13.7	41.1	19.2-	.	2.7	4.9
G97-2773	40.5	1+	2	30	2	13.9	42.0	19.8	.	1.1	4.7
G97-5705	38.0	1+	2	31	2	13.8	42.3	19.2-	.	3.4	4.7
G97-881	41.7	0	2	32	2	13.6	39.9	19.6	.	1.0	4.6
N97-6450	35.4	5+	2	34	2	17.3	40.1	19.3-	.	3.5	4.9
N97-9599	43.3	4+	2	33	2	15.4	42.5	19.5	.	2.4	4.4
N97-9626	34.4	2+	2	26	2	14.5	42.1	19.3-	.	2.2	4.9
N97-9631	37.5	3+	2	25	2	15.6	39.5	19.2-	.	2.8	5.0
N97-9658	44.3	2+	2	29	2	13.0	42.2	18.9-	.	2.3	5.0
N97-9827	38.9	1+	3	29	2	15.1	42.3	19.9	.	1.4	4.8
N98-8443	37.7	4+	2	31	2	13.9	40.6	18.9-	.	1.3	5.0
SC97-1257	40.1	2+	2	30	2	13.4	40.9	19.6	.	1.0	3.5
SC97-1606	40.7	4+	2	32	2	13.1	42.1	19.6	.	1.0	3.9
SC97-1829	38.4	3+	2	35	2	13.8	42.7	19.0-	.	2.3	4.0
SC97-1988	38.2	3+	2	33	2	15.7	42.9	19.0-	.	1.0	3.0
SC97-259	45.5+	3+	2	33	2	13.9	40.2	19.7	.	1.0	4.1
SC97-674	42.0	1+	2	28	2	13.1	39.7	19.9	.	1.0	4.4
SC97-954	35.4	3+	2	31	2	12.6	41.4	18.6-	.	1.0	3.8
N98-198	35.7	0	2	32	2	14.8	42.7	19.5	.	1.1	4.8
N98-223	38.1	1+	2	28	2	15.2	41.1	19.9	.	2.2	4.9
N98-428	34.9	0	2	28	2	14.7	44.0	18.7-	.	1.8	4.8
N98-452	30.3	1+	3	34	2	15.8	44.3	18.3-	.	2.8	4.4
N98-479	36.6	2+	3	39	2	16.1	43.5	17.9-	.	2.8	5.0
OVERALL MEAN	39.1						41.6	19.2			
L. S. D. (.05)	7.6						3.1	0.7			
C. V.	16%						6%	3%			

**TABLE 62 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY
GROWN IN PRELIMINARY GROUP VII, 2000**

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	46.7	31.0	52.1	24.1	30.8	36.9
HASKELL	38.0	42.0	52.5	25.2	31.0	37.7
Au97-117	44.9	23.3	59.0	33.8+	35.8	39.4
Au97-1392	36.6	21.6	41.5	34.9+	33.5	33.6
Au97-1479	36.1	38.3	58.5	23.9	35.9	38.5
Au97-1584	43.6	37.2	55.0	26.0	37.6	39.8
Au97-79	47.4	27.3	59.9	24.1	43.9	40.5
Au97-98	47.5	39.1	53.6	24.6	38.1	40.6
G96-1170	45.8	38.4	53.8	27.3	54.4+	43.9
G96-2272	43.0	47.2+	71.1+	22.7	47.7+	46.3+
G97-1417	51.1	46.8+	61.8	20.3	41.4	44.3
G97-145	44.0	36.3	56.2	29.3	28.1	38.8
G97-2773	48.9	34.0	56.8	24.7	37.9	40.5
G97-5705	33.3-	38.3	60.8	22.4	34.9	38.0
G97-881	45.4	41.8	52.3	25.1	43.9	41.7
N97-6450	27.6-	45.5+	58.2	24.5	21.1	35.4
N97-9599	43.3	50.6+	58.5	23.8	40.5	43.3
N97-9626	29.1-	30.6	50.6	27.2	34.5	34.4
N97-9631	44.6	29.3	54.8	26.0	33.0	37.5
N97-9658	48.2	48.6+	60.7	23.8	40.1	44.3
N97-9827	36.9	42.6+	60.2	19.0	35.7	38.9
N98-8443	36.3	39.0	57.6	21.8	33.8	37.7
SC97-1257	47.5	37.3	55.3	21.3	38.9	40.1
SC97-1606	50.6	41.5	52.2	22.1	37.2	40.7
SC97-1829	37.1	38.3	54.3	22.5	40.0	38.4
SC97-1988	44.4	43.6+	48.0	19.5	35.3	38.2
SC97-259	52.9	48.0+	61.5	22.0	43.3	45.5+
SC97-674	48.8	37.3	57.1	27.2	39.8	42.0
SC97-954	49.6	35.0	52.1	11.3-	28.9	35.4
N98-198	36.2	34.3	59.7	26.1	22.1	35.7
N98-223	40.6	31.6	62.2	25.8	30.3	38.1
N98-428	32.3-	38.0	56.2	21.3	26.8	34.9
N98-452	32.7-	35.1	47.4	24.5	11.6-	30.3
N98-479	26.4-	46.4+	54.7	16.6-	38.8	36.6
L. S. D. (0.05)	11.1	11.2	11.1	5.7	15.8	7.6
C. V. (%)	13.1	14.4	9.8	11.8	21.9	15.5

TABLE 63 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2000

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	20.5	21.6	20.1	17.7	20.9	20.2
HASKELL	20.0	20.6	19.1	18.8	20.1	19.7
Au97-117	18.4	19.7	18.1	19.2	18.6	18.8
Au97-1392	20.1	21.5	19.9	17.6	20.7	20.0
Au97-1479	20.0	20.6	19.9	17.7	20.3	19.7
Au97-1584	20.2	20.5	19.9	17.4	20.1	19.6
Au97-79	19.5	20.0	18.8	16.4	19.3	18.8
Au97-98	19.7	20.0	18.7	17.8	19.6	19.2
G96-1170	18.1	19.3	17.7	17.3	18.5	18.2
G96-2272	19.3	19.4	19.9	16.5	20.0	19.0
G97-1417	18.8	19.3	18.8	17.2	19.5	18.7
G97-145	19.3	19.8	19.1	18.5	19.4	19.2
G97-2773	19.6	20.8	19.3	18.4	20.8	19.8
G97-5705	19.5	19.9	19.2	17.9	19.6	19.2
G97-881	19.2	20.8	19.0	19.4	19.6	19.6
N97-6450	18.9	19.8	19.2	19.0	19.7	19.3
N97-9599	19.9	20.7	19.5	17.6	19.6	19.5
N97-9626	19.5	20.4	19.2	17.7	19.7	19.3
N97-9631	18.5	20.2	19.0	18.3	19.8	19.2
N97-9658	19.2	19.4	19.0	17.3	19.5	18.9
N97-9827	19.8	20.2	19.7	19.8	20.2	19.9
N98-8443	18.8	20.1	19.2	17.2	19.3	18.9
SC97-1257	20.0	20.9	19.4	17.5	20.1	19.6
SC97-1606	19.8	20.8	19.8	17.3	20.5	19.6
SC97-1829	19.7	19.8	19.2	16.3	20.0	19.0
SC97-1988	19.1	19.9	19.1	17.1	19.8	19.0
SC97-259	19.6	20.4	19.7	18.3	20.6	19.7
SC97-674	20.4	20.9	20.2	17.3	20.9	19.9
SC97-954	18.9	19.7	18.8	15.8	19.7	18.6
N98-198	18.9	20.8	19.4	18.1	20.3	19.5
N98-223	19.3	20.4	19.0	19.7	21.3	19.9
N98-428	18.4	19.4	17.9	17.5	20.4	18.7
N98-452	19.1	19.6	18.8	15.5	18.6	18.3
N98-479	18.4	18.6	17.7	16.7	18.2	17.9

**TABLE 64 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII, 2000**

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	40.6	40.2	42.5	43.7	40.2	41.4
HASKELL	38.7	39.0	42.1	41.4	39.4	40.1
Au97-117	41.9	41.4	42.5	41.5	42.5	42.0
Au97-1392	40.8	40.9	42.4	44.4	41.8	42.1
Au97-1479	41.2	41.8	42.9	14.8	42.1	36.6
Au97-1584	40.7	41.1	42.0	43.4	41.8	41.8
Au97-79	40.8	41.8	41.3	45.5	41.1	42.1
Au97-98	40.6	42.4	42.1	41.9	42.1	41.8
G96-1170	42.2	42.3	43.6	43.1	42.8	42.8
G96-2272	41.4	43.0	41.4	41.8	41.4	41.8
G97-1417	41.8	42.0	42.3	44.9	40.7	42.3
G97-145	41.8	41.0	40.5	40.8	41.4	41.1
G97-2773	41.4	41.6	43.4	43.4	40.0	42.0
G97-5705	41.7	40.2	44.4	43.7	41.7	42.3
G97-881	39.1	41.7	40.6	39.5	38.6	39.9
N97-6450	40.1	39.8	40.2	41.0	39.3	40.1
N97-9599	41.7	41.5	42.2	44.5	42.6	42.5
N97-9626	42.1	42.0	42.9	42.7	40.8	42.1
N97-9631	39.5	39.3	39.3	42.1	37.5	39.5
N97-9658	41.0	43.0	42.5	43.1	41.6	42.2
N97-9827	43.0	39.9	43.3	43.3	41.8	42.3
N98-8443	40.3	39.6	41.5	40.7	40.8	40.6
SC97-1257	39.6	40.3	41.5	42.6	40.4	40.9
SC97-1606	40.3	40.3	41.4	47.7	40.7	42.1
SC97-1829	41.6	42.6	43.7	44.9	40.7	42.7
SC97-1988	41.6	42.1	43.1	46.2	41.7	42.9
SC97-259	39.6	39.6	41.1	42.5	38.2	40.2
SC97-674	37.8	40.1	40.1	42.7	37.9	39.7
SC97-954	38.8	40.7	41.5	46.8	39.4	41.4
N98-198	42.3	41.8	43.2	43.9	42.3	42.7
N98-223	41.4	40.5	42.3	42.4	38.7	41.1
N98-428	42.9	43.6	44.8	47.1	41.6	44.0
N98-452	43.2	43.1	44.9	46.8	43.6	44.3
N98-479	42.8	43.4	44.9	43.2	43.3	43.5

TABLE 65 - SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2000

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	16.6	15.0	16.4	10.6	16.3	15.0
HASKELL	14.4	15.7	14.9	12.5	15.0	14.5
Au97-117	11.7	11.5	11.7	8.2	10.8	10.8
Au97-1392	14.3	13.4	14.6	9.6	14.6	13.3
Au97-1479	13.9	14.9	15.9	8.4	15.5	13.7
Au97-1584	15.6	14.4	15.1	11.1	15.7	14.4
Au97-79	12.1	12.7	12.7	8.4	12.4	11.7
Au97-98	11.8	13.2	12.8	8.2	14.7	12.1
G96-1170	14.6	14.3	14.5	11.3	14.0	13.7
G96-2272	14.2	13.3	13.7	7.8	15.6	12.9
G97-1417	16.6	17.5	18.5	10.9	12.1	15.1
G97-145	14.7	13.9	13.6	10.4	15.9	13.7
G97-2773	14.1	14.2	15.4	11.2	14.7	13.9
G97-5705	12.6	14.5	15.9	10.1	15.8	13.8
G97-881	14.2	14.0	14.8	10.7	14.1	13.6
N97-6450	18.1	19.5	19.6	11.7	17.4	17.3
N97-9599	17.8	17.0	16.6	10.5	15.0	15.4
N97-9626	14.2	16.5	15.8	11.1	14.8	14.5
N97-9631	16.0	16.6	17.1	12.9	15.2	15.6
N97-9658	14.6	14.3	14.1	8.9	13.3	13.0
N97-9827	14.9	16.5	17.4	11.6	14.9	15.1
N98-8443	13.4	14.6	15.1	11.0	15.4	13.9
SC97-1257	13.5	14.9	14.9	10.6	13.0	13.4
SC97-1606	13.5	14.1	13.4	9.1	15.6	13.1
SC97-1829	13.4	14.7	15.4	10.2	15.5	13.8
SC97-1988	15.6	17.9	16.4	11.9	16.5	15.7
SC97-259	13.8	14.5	15.3	10.8	15.3	13.9
SC97-674	13.7	14.3	14.3	9.8	13.2	13.1
SC97-954	13.6	13.6	13.6	8.8	13.4	12.6
N98-198	15.7	16.0	16.6	10.1	15.8	14.8
N98-223	15.9	15.8	16.2	11.9	16.0	15.2
N98-428	14.3	16.2	16.7	10.3	16.2	14.7
N98-452	17.3	16.6	17.7	12.8	14.7	15.8
N98-479	16.3	17.8	17.2	11.0	18.1	16.1

TABLE 66 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2000

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	31	18	37	36	27	30
HASKELL	27	22	35	38	27	30
Au97-117	27	17	34	32	26	27
Au97-1392	24	14	31	36	26	26
Au97-1479	25	20	34	34	30	29
Au97-1584	30	23	34	36	27	30
Au97-79	27	21	33	38	32	30
Au97-98	28	27	36	40	25	31
G96-1170	27	24	38	34	32	31
G96-2272	28	25	41	42	35	34
G97-1417	30	23	36	40	29	31
G97-145	22	17	33	30	26	25
G97-2773	30	20	39	36	26	30
G97-5705	29	25	37	38	29	31
G97-881	31	22	40	32	35	32
N97-6450	30	27	43	38	33	34
N97-9599	31	25	38	38	32	33
N97-9626	22	21	37	26	26	26
N97-9631	22	17	33	28	27	25
N97-9658	26	21	37	35	28	29
N97-9827	24	27	29	36	28	29
N98-8443	27	24	40	38	28	31
SC97-1257	29	20	38	36	26	30
SC97-1606	28	26	38	40	30	32
SC97-1829	30	20	42	48	36	35
SC97-1988	31	28	42	34	29	33
SC97-259	30	23	42	40	30	33
SC97-674	27	20	36	30	30	28
SC97-954	34	25	39	28	28	31
N98-198	27	25	42	40	28	32
N98-223	28	15	32	40	25	28
N98-428	21	20	36	38	23	28
N98-452	32	24	42	46	29	34
N98-479	30	33	41	50	39	39

TABLE 67 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VII, 2000

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC	CLINTON NC	STONEVILLE MS	TALLASSEE AL	MEAN
BENNING	1	1	4	4	1	2
HASKELL	2	3	4	4	1	3
Au97-117	2	1	4	2	1	2
Au97-1392	1	1	4	2	1	2
Au97-1479	1	1	4	2	1	2
Au97-1584	2	1	5	2	1	2
Au97-79	2	1	4	3	1	2
Au97-98	2	2	3	3	1	2
G96-1170	2	3	4	3	1	3
G96-2272	1	1	2	3	1	2
G97-1417	2	1	3	3	1	2
G97-145	1	1	4	2	1	2
G97-2773	2	1	3	3	1	2
G97-5705	2	2	3	3	1	2
G97-881	2	2	4	3	1	2
N97-6450	1	2	3	2	1	2
N97-9599	2	2	3	3	1	2
N97-9626	2	1	4	2	1	2
N97-9631	2	1	3	2	1	2
N97-9658	2	1	3	2	1	2
N97-9827	2	2	4	5	1	3
N98-8443	1	1	2	3	1	2
SC97-1257	1	1	3	2	1	2
SC97-1606	2	1	2	2	1	2
SC97-1829	1	1	3	3	1	2
SC97-1988	2	1	3	3	1	2
SC97-259	2	2	3	3	1	2
SC97-674	2	1	4	4	1	2
SC97-954	2	1	3	2	2	2
N98-198	1	2	2	2	1	2
N98-223	1	1	4	4	1	2
N98-428	2	1	3	4	1	2
N98-452	2	1	4	5	1	3
N98-479	2	2	3	5	1	3

**TABLE 68 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VII, 2000**

STRAIN/ VARIETY	ATHENS	CLINTON	STONEVILLE	TALLASSEE	MEAN
	GA	NC	MS	AL	
BENNING	1	2	3	1	2
HASKELL	1	3	3	1	2
Au97-117	1	3	3	2	2
Au97-1392	1	3	3	2	2
Au97-1479	2	2	3	1	2
Au97-1584	1	2	3	1	2
Au97-79	2	2	3	1	2
Au97-98	1	2	3	1	2
G96-1170	1	2	3	1	2
G96-2272	1	2	3	1	2
G97-1417	1	2	3	1	2
G97-145	1	2	3	1	2
G97-2773	1	2	3	1	2
G97-5705	1	2	3	1	2
G97-881	1	2	3	1	2
N97-6450	1	2	3	2	2
N97-9599	1	2	3	1	2
N97-9626	1	2	3	1	2
N97-9631	2	2	3	1	2
N97-9658	1	2	3	1	2
N97-9827	1	2	3	2	2
N98-8443	1	2	3	1	2
SC97-1257	1	2	3	1	2
SC97-1606	1	2	3	1	2
SC97-1829	1	3	3	1	2
SC97-1988	1	2	3	1	2
SC97-259	1	2	3	1	2
SC97-674	1	2	3	1	2
SC97-954	1	2	3	1	2
N98-198	1	2	3	1	2
N98-223	1	2	3	1	2
N98-428	1	3	3	1	2
N98-452	2	2	3	1	2
N98-479	2	2	3	1	2

UNIFORM GROUP VIII

2000

Uniform Group VIII nurseries were planted in 14 locations. Data were obtained from all of the locations. The parentage for each strain is reported in Table 69. Table 70 gives a general summary of information for each strain including 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,
2000**

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. COOK	BRAXTON X YOUNG	
2. PRICHARD	COKER 82-622 X HOWARD	
3. Au94-863	Au87-727 X Cook	F6
4. Au96-6	N86-7682 X V88-466	F6
5. G90-R1551E	Coker82-622 X Howard	F6d
6. G93-2225	Cook X Coker 6727	F6d
7. G94-3117	G86-1434 X Hagood	F5d
8. G95-2567	G86-1434 X HY798	F5d
9. G95-346	G86-1434 X G87-1968	F6d
10. G96-1797	G86-1434 X Cook	F6d
11. N96-6752	N91-7202 X N90-7199	F4
12. N96-7031	N90-7199 X N90-7241	F4
13. N97-9788	N90-7199 X N91-7254	F4
14. SC94-1000	COKER 6847 X G83-198	F5
15. SC95-771	COKER 6847 X MANOKIN	F5
16. SC96-1574	SC89-181 X NK' S S75-55	F5
17. SC96-226	N88-480 X HAGOOD	F6
18. SC96-2736	HAGOOD X SC84-931	F5
19. N97-984	N90-541 X N90-1101	F6

**TABLE 70 - GENERAL SUMMARY OF PERFORMANCE FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VIII, 2000**

STRAIN/ VARIETY	YIELD†			PROTEIN			OIL		
	2000	99-00	98-00	2000	99-00	98-00	2000	99-00	98-00
COOK	38.2	42.4	42.2	42.6	42.9	43.0	19.0	19.0	19.2
PRICHARD	41.7	44.8	.	42.1	42.5	.	18.7	18.9	.
Au94-863	43.1	45.6	.	41.8	42.0	.	20.0	20.1	.
Au96-6	42.2	.	.	41.1	.	.	19.6	.	.
G90-R1551E	43.7	46.0	45.5	42.3	42.7	43.1	18.9	19.1	19.3
G93-2225	42.6	45.1	44.6	42.0	42.4	42.7	18.7	18.8	18.9
G94-3117	40.5	44.4	.	42.8	42.9	.	19.0	19.1	.
G95-2567	38.2	.	.	41.5	.	.	19.4	.	.
G95-346	39.3	43.7	.	40.7	41.2	.	18.9	19.1	.
G96-1797	41.4	.	.	42.2	.	.	19.0	.	.
N96-6752	38.2	.	.	40.3	.	.	19.9	.	.
N96-7031	35.1	38.0	.	41.3	41.2	.	19.2	19.1	.
N97-9788	35.0	.	.	41.0	.	.	20.5	.	.
SC94-1000	38.3	42.4	42.5	42.6	42.5	42.7	20.0	20.1	20.2
SC95-771	41.0	44.2	.	41.0	40.9	.	19.3	19.5	.
SC96-1574	41.7	.	.	40.1	.	.	19.6	.	.
SC96-226	38.7	.	.	41.5	.	.	20.2	.	.
SC96-2736	40.2	.	.	42.3	.	.	19.1	.	.
N97-984	41.1	.	.	40.8	.	.	21.1	.	.

†Data not included in mean: (1998) - Jay, FL; Clemson, SC; Jackson Springs, NC

TABLE 70 - Continued

BOTANICAL TRAITS

STRAIN/ VARIETY	FL COLOR	MAT. INDEX	LODGING	HEIGHT	SEED QUALITY	SEED SIZE	PUB. COLOR	POD COLOR
COOK	P	10/25	2	32	2	14.3	T	T
PRICHARD	W	4+	2	32	2	12.6	G	T
Au94-863	S	2+	2	33	1	14.5	T	T
Au96-6	P	2-	2	30	2	13.3	G	T
G90-R1551E	W	1+	2	31	1	12.8	G	T
G93-2225	P	1+	2	32	2	12.9	T	T
G94-3117	W	1+	2	32	2	13.7	G	T
G95-2567	W	0	2	32	2	13.3	T	T
G95-346	W	0	2	29	2	12.0	T	T
G96-1797	P	1+	2	34	2	14.7	T	T
N96-6752	P	1-	2	26	2	11.5	G	BR
N96-7031	P	1+	1	29	2	12.0	G	BR
N97-9788	P	1-	2	27	2	12.6	G	T
SC94-1000	W	0	2	33	1	13.7	G	T
SC95-771	W	1-	2	33	2	11.9	G	T
SC96-1574	P	0	2	32	1	13.7	T	T
SC96-226	W	1+	2	33	2	13.6	G	T
SC96-2736	P	0	2	33	1	13.1	G	T
N97-984	W	2-	2	33	2	13.5	T	BR

TABLE 70 - Continued

PEST REACTIONS

STRAIN/ VARIETY	SCN 2	SCN 3	SCN 14	M. A. GA	M. I. GA	SMV
COOK	.	5.0	4.5	4.8	1.8	R
PRICHARD	.	1.0	2.6	5.0	1.0	R
Au94-863	.	2.0	1.9	3.3	2.8	R
Au96-6	.	4.6	5.0	3.3	2.3	R
G90-R1551E	.	1.0	2.9	4.8	1.0	R
G93-2225	.	1.2	4.6	4.0	1.0	R
G94-3117	.	1.0	4.1	3.5	1.0	R
G95-2567	.	1.0	4.5	2.0	1.0	S
G95-346	.	1.0	4.9	1.3	1.0	S
G96-1797	.	1.4	4.9	4.5	1.5	R
N96-6752	.	4.7	4.7	4.5	4.0	R
N96-7031	.	5.0	4.9	3.8	2.8	R
N97-9788	.	5.0	5.0	3.0	2.0	R
SC94-1000	.	1.0	4.6	4.5	1.0	R
SC95-771	.	1.0	4.3	2.3	1.5	S
SC96-1574	.	1.0	2.0	4.5	1.0	R
SC96-226	.	2.3	2.0	4.8	1.0	R
SC96-2736	.	1.1	4.5	4.5	1.0	R
N97-984	.	5.0	5.0	4.5	3.8	R

**TABLE 71 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY
GROWN IN UNIFORM GROUP VIII, 2000**

STRAIN/ VARIETY	EAST			MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC	
COOK	53.0	31.4	34.5	39.6
PRICHARD	56.9	37.6	28.6	41.0
Au94-863	61.9	41.7	33.5	45.7
Au96-6	56.8	42.6	37.6	45.6
G90-R1551E	57.9	41.6	37.2	45.6
G93-2225	55.5	43.0	33.4	44.0
G94-3117	55.8	41.9	34.3	44.0
G95-2567	46.1	36.9	35.5	39.5
G95-346	47.9	40.2	33.4	40.5
G96-1797	51.2	38.3	36.3	41.9
N96-6752	62.0	37.8	32.1	44.0
N96-7031	48.4	36.3	30.8	38.5
N97-9788	48.3	34.3	31.0	37.9
SC94-1000	52.4	40.4	29.7	40.8
SC95-771	58.2	42.2	35.5	45.3
SC96-1574	49.6	47.1	31.5	42.7
SC96-226	47.7	37.7	29.7	38.4
SC96-2736	52.0	44.1	32.4	42.8
N97-984	59.1	45.6	32.2	45.6
L. S. D. (0.05)	8.5	5.4	5.3	.
C. V. (%)	9.5	8.2	9.6	.

TABLE 71 - Continued

SOUTH

STRAIN VARIETY	ATHENS GA	BATON ROUGE LA	BLACKVILLE SC	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	46.5	60.1	23.6	30.7	42.5	33.9	31.7	47.4	33.2	40.7	25.7	37.8
PRICHARD	47.7	57.4	24.4	35.6	48.7	42.7	41.5	45.7	38.9	33.2	45.0	41.9
Au94-863	44.0	59.5	24.3	28.7	44.7	33.0	45.9	55.5	42.6	40.5	47.7	42.4
Au96-6	42.5	61.9	27.3	37.3	55.4	27.5	43.3	54.2	40.7	36.4	26.9	41.2
G90-R1551E	44.5	58.4	27.1	32.4	49.9	37.9	42.4	46.1	42.5	38.3	54.8	43.1
G93-2225	51.9	65.3	30.7	37.7	36.8	30.6	38.3	51.9	39.5	40.4	40.9	42.2
G94-3117	46.6	56.0	24.5	30.4	43.5	31.8	37.1	48.2	42.2	34.4	40.7	39.6
G95-2567	45.7	51.2	28.6	30.8	39.2	35.1	34.0	47.6	35.3	32.6	36.4	37.9
G95-346	50.5	40.8	21.2	25.5	46.1	37.5	40.8	49.8	46.9	39.1	30.4	39.0
G96-1797	48.0	58.8	23.0	32.2	52.8	30.3	35.1	49.6	42.4	39.8	42.4	41.3
N96-6752	39.2	61.9	25.5	28.0	30.3	25.4	35.1	51.0	45.6	30.8	29.6	36.6
N96-7031	31.9	52.9	27.2	28.0	33.0	22.1	35.0	43.0	46.1	35.0	21.9	34.2
N97-9788	32.7	52.5	26.7	40.1	37.5	23.8	27.8	41.5	40.1	28.8	24.5	34.2
SC94-1000	38.5	56.7	21.9	27.9	29.9	32.7	36.2	50.3	45.0	36.1	38.8	37.6
SC95-771	44.3	57.4	21.6	35.2	26.8	27.0	41.5	55.1	45.0	42.1	42.5	39.8
SC96-1574	41.6	48.4	28.2	32.8	40.6	34.2	46.6	50.2	43.3	42.1	47.2	41.4
SC96-226	43.7	61.5	33.7	26.8	34.6	35.5	34.9	45.2	34.1	32.6	44.0	38.8
SC96-2736	36.7	57.7	27.4	36.0	41.1	28.7	42.2	42.2	44.3	36.3	42.1	39.5
N97-984	35.9	59.1	27.9	39.2	42.8	30.6	33.8	41.4	46.6	39.8	41.5	39.9
L. S. D. (0.05)	8.4	6.4	7.7	8.0	7.1	8.7	6.4	7.4	9.9	11.3	11.0	.
C. V. (%)	11.9	6.8	17.7	14.9	10.5	16.6	10.1	9.1	14.3	18.6	17.5	.

TABLE 72 - CHEMICAL COMPOSITION AND SEED SIZE FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2000

OIL PERCENTAGE

STRAIN VARIETY	ATHENS GA	BLACKVILLE SC(B)	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	18.8	20.1	18.3	18.1	18.8	19.3	19.1	18.7	20.0	19.5	18.7	19.1	.	19.0
PRICHARD	18.7	19.1	17.3	17.7	18.6	19.2	18.9	18.3	19.8	19.6	17.8	18.9	.	18.7
Au94-863	19.9	20.4	18.9	19.2	19.8	20.3	20.7	19.7	21.1	20.3	19.6	20.2	.	20.0
Au96-6	18.7	19.2	18.5	19.0	19.7	20.0	19.4	20.7	20.8	20.3	19.3	19.2	.	19.6
G90-R1551E	19.0	19.1	17.7	18.5	18.8	19.1	18.9	18.6	20.0	20.0	19.1	18.3	.	18.9
G93-2225	19.2	19.2	17.9	18.1	19.0	19.2	18.9	18.1	19.3	18.7	18.2	18.9	.	18.7
G94-3117	18.6	19.7	18.4	18.5	18.9	19.3	19.0	19.1	19.9	19.6	18.1	18.5	.	19.0
G95-2567	19.3	19.4	18.0	18.7	19.8	19.5	19.8	19.6	20.4	20.2	18.1	19.4	.	19.4
G95-346	18.7	19.6	17.8	18.5	18.8	19.5	19.0	18.6	19.8	19.4	18.7	18.5	.	18.9
G96-1797	18.5	19.5	18.2	18.7	18.7	19.9	18.9	19.0	20.3	19.7	18.2	18.7	.	19.0
N96-6752	19.6	20.4	19.0	19.2	19.0	20.0	20.0	20.7	20.8	20.9	19.6	20.0	.	19.9
N96-7031	18.6	20.0	17.5	18.2	18.9	19.5	19.3	19.7	20.2	19.9	19.4	18.7	.	19.2
N97-9788	19.8	20.9	20.1	19.9	20.0	20.7	21.1	20.8	21.0	20.9	20.5	20.7	.	20.5
SC94-1000	19.7	19.9	18.1	18.7	20.0	20.3	19.6	20.8	21.0	21.0	20.3	20.6	.	20.0
SC95-771	19.5	19.6	18.1	18.7	18.5	19.5	19.7	19.1	20.1	20.2	18.2	20.5	.	19.3
SC96-1574	19.7	19.1	18.4	18.9	20.7	19.8	19.3	19.9	21.3	20.6	18.9	19.0	.	19.6
SC96-226	20.3	19.6	19.2	19.4	21.0	20.9	20.3	20.8	21.3	20.9	19.0	19.9	.	20.2
SC96-2736	18.8	19.8	18.0	19.0	18.5	19.5	19.4	19.8	20.0	19.7	18.6	18.5	.	19.1
N97-984	20.7	20.7	20.2	19.8	22.0	21.3	20.5	22.6	22.1	21.1	20.9	21.2	.	21.1

TABLE 72 - CONTINUED

PROTEIN PERCENTAGE

STRAIN VARIETY	ATHENS GA	BLACKVILLE SC(B)	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	42.4	41.1	41.8	44.1	45.2	42.7	42.5	44.4	40.3	40.6	43.9	41.8	.	42.6
PRICHARD	40.4	42.2	39.4	43.7	44.6	42.8	43.4	44.1	41.3	40.1	42.4	40.6	.	42.1
Au94-863	40.9	40.8	41.3	43.1	45.0	42.6	41.0	42.9	40.7	40.6	41.9	40.9	.	41.8
Au96-6	40.7	42.3	39.7	41.8	43.8	41.2	41.9	41.4	39.3	40.8	39.1	41.2	.	41.1
G90-R1551E	40.4	42.8	40.3	43.1	45.2	42.9	43.2	43.6	42.0	40.4	41.8	41.5	.	42.3
G93-2225	41.0	41.7	40.1	44.2	43.7	43.1	42.6	44.5	40.2	40.1	41.7	41.0	.	42.0
G94-3117	42.7	42.1	41.0	44.3	44.5	42.6	43.3	43.0	42.2	41.9	43.2	43.0	.	42.8
G95-2567	40.4	41.4	40.5	42.9	42.6	42.0	40.7	42.8	40.5	40.2	43.3	40.9	.	41.5
G95-346	39.3	40.4	38.6	42.1	43.7	40.4	39.9	41.7	40.4	40.5	40.7	40.5	.	40.7
G96-1797	41.3	42.1	41.0	43.2	44.5	42.2	42.7	43.6	40.6	41.0	41.8	42.0	.	42.2
N96-6752	41.3	41.1	39.4	41.7	42.6	41.6	41.0	37.5	39.4	38.7	40.9	38.6	.	40.3
N96-7031	41.7	41.1	41.7	42.1	43.2	41.0	41.4	40.5	40.4	40.3	39.9	41.8	.	41.3
N97-9788	42.0	40.8	40.7	41.8	44.3	42.2	40.4	41.9	40.3	38.0	40.3	39.8	.	41.0
SC94-1000	42.6	43.0	42.4	44.4	44.1	42.6	43.4	43.4	42.3	40.9	40.6	41.2	.	42.6
SC95-771	40.3	40.8	39.7	42.3	46.1	41.8	40.3	42.0	41.0	40.4	40.9	36.8	.	41.0
SC96-1574	38.6	41.3	38.4	40.8	42.1	41.0	40.8	40.5	39.6	39.7	39.0	39.5	.	40.1
SC96-226	40.7	42.6	39.8	41.9	42.1	42.7	42.1	42.7	40.8	40.3	40.8	41.0	.	41.5
SC96-2736	40.8	41.6	41.6	41.9	46.1	41.1	43.0	42.8	42.5	41.2	43.3	41.8	.	42.3
N97-984	39.6	42.1	40.3	43.1	42.3	42.3	41.5	38.9	39.5	38.6	40.7	40.2	.	40.8

TABLE 72 - CONTINUED

GRAMS PER 100 SEED

STRAIN VARIETY	ATHENS GA	BLACKVILLE SC(B)	CLEMSON SC	CLINTON NC	FAIRHOPE AL	FLORENCE SC	JACKSON SPRINGS NC	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	16.4	15.1	12.3	17.9	16.0	14.7	18.4	14.8	13.3	13.9	15.2	16.0	14.0	15.2
PRICHARD	13.4	12.6	10.1	14.9	13.5	12.9	15.2	15.8	13.2	12.5	13.9	14.1	16.3	13.7
Au94-863	16.5	15.7	12.5	17.5	15.9	16.6	16.5	17.2	15.2	14.3	12.6	16.3	17.3	15.7
Au96-6	14.0	15.2	13.1	14.8	14.7	13.7	15.7	15.2	14.1	12.7	13.9	15.0	14.3	14.3
G90-R1551E	14.1	13.1	10.6	15.2	14.2	13.0	15.3	16.7	13.9	12.2	14.0	13.2	14.7	13.9
G93-2225	15.2	14.2	11.1	16.2	13.2	14.3	15.5	15.4	11.8	12.0	13.7	13.8	15.0	14.0
G94-3117	15.5	15.0	11.9	15.7	14.4	14.3	15.2	17.4	12.9	12.4	16.0	16.2	16.7	14.9
G95-2567	15.0	15.3	11.5	16.2	13.5	14.3	15.4	14.7	13.2	12.5	13.5	16.6	15.3	14.4
G95-346	14.5	14.1	10.1	15.0	13.8	13.6	15.5	17.2	13.3	13.1	13.2	14.9	15.3	14.1
G96-1797	15.8	15.5	12.4	16.3	16.8	14.8	18.3	17.7	15.4	13.5	16.4	16.1	15.7	15.7
N96-6752	13.4	14.9	11.5	15.0	11.2	14.7	16.4	11.5	12.3	12.5	13.4	15.3	12.0	13.4
N96-7031	12.4	14.1	10.5	14.4	11.5	13.5	14.8	11.7	12.6	12.2	13.3	14.4	12.0	12.9
N97-9788	13.8	13.7	12.4	14.6	12.7	14.6	15.3	13.8	11.9	11.3	13.6	14.2	13.7	13.5
SC94-1000	16.9	14.4	10.8	15.7	11.9	15.3	16.7	16.2	14.2	13.5	15.7	15.1	15.0	14.7
SC95-771	12.9	12.2	11.0	13.9	12.1	12.2	13.4	14.6	12.3	11.9	13.0	13.3	14.0	12.8
SC96-1574	14.5	15.3	11.2	16.3	11.3	15.4	15.8	19.0	15.0	13.1	15.4	14.3	16.0	14.8
SC96-226	17.3	16.6	12.4	17.0	11.9	16.7	18.4	18.4	15.1	14.3	17.6	14.7	16.7	15.9
SC96-2736	14.8	14.2	11.4	14.3	13.6	14.5	16.3	16.4	14.2	11.6	13.1	14.3	15.0	14.1
N97-984	14.1	15.6	13.0	15.3	13.6	15.1	16.8	15.4	14.2	11.4	15.9	13.2	14.7	14.5

**TABLE 73 - RELATIVE MATURITY DATA, DAYS EARLIER (-) OR LATER (+) THAN
COOK FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2000**

STRAIN/ VARIETY	EAST			
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC	MEAN
COOK	10/30	10/24	10/31	10/28
PRI CHARD	4	5	0	3
Au94-863	0	-1	0	0
Au96-6	-4	-3	0	-2
G90-R1551E	0	-1	0	0
G93-2225	2	-1	0	1
G94-3117	-4	0	0	-1
G95-2567	0	-2	0	0
G95-346	-2	-1	0	-1
G96-1797	0	-1	0	0
N96-6752	2	-1	0	1
N96-7031	0	1	0	1
N97-9788	2	1	0	1
SC94-1000	0	0	0	0
SC95-771	0	-2	0	0
SC96-1574	0	0	0	0
SC96-226	0	0	0	0
SC96-2736	0	1	0	1
N97-984	0	0	0	0

TABLE 73 - Continued

SOUTH

STRAIN	ATHENS	BATON ROUGE	BLACKVILLE	CLEMSON	FAIRHOPE	JAY	MIDVILLE	PLAINS	TALLASSEE	TALLASSEE	TIFTON	MEAN
VARIETY	GA	LA	SC(B)	SC	AL	FL	GA	GA	AL	AL(L)	GA	
COOK	10/25	.	10/30	10/29	10/21	10/31	.	.	10/22	10/28	10/16	10/25
PRICHARD	4	.	3	6	3	3	.	.	5	2	9	5
Au94-863	3	.	2	1	2	1	.	.	3	2	7	3
Au96-6	-3	.	-5	-4	-2	-4	.	.	-3	-1	6	-2
G90-R1551E	4	.	-1	2	2	1	.	.	4	0	5	2
G93-2225	-1	.	5	1	-3	-2	.	.	-1	1	4	1
G94-3117	1	.	-1	-1	1	1	.	.	3	0	4	1
G95-2567	-2	.	1	2	-3	-2	.	.	1	0	-1	0
G95-346	0	.	-1	1	-1	0	.	.	3	1	2	1
G96-1797	2	.	-2	1	4	2	.	.	2	1	3	2
N96-6752	-2	.	-1	-2	-3	-10	.	.	3	0	1	-1
N96-7031	1	.	3	3	-3	-10	.	.	4	2	6	1
N97-9788	-2	.	-2	-2	-3	-8	.	.	-2	0	0	-2
SC94-1000	2	.	-2	1	-5	-3	.	.	1	0	0	0
SC95-771	0	.	-2	0	-5	-6	.	.	1	0	0	-1
SC96-1574	1	.	2	2	-3	-4	.	.	1	0	3	1
SC96-226	-1	.	4	3	-2	0	.	.	0	0	3	1
SC96-2736	1	.	-1	1	-2	-6	.	.	1	0	1	0
N97-984	0	.	-3	-2	-3	-9	.	.	-2	-1	2	-2

TABLE 74 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2000

STRAIN/ VARIETY	EAST				MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC		
COOK	42	36	40		39
PRICHARD	40	36	39		38
Au94-863	40	39	40		40
Au96-6	40	34	36		36
G90-R1551E	37	32	35		35
G93-2225	39	37	36		37
G94-3117	38	38	40		39
G95-2567	36	36	38		37
G95-346	39	33	37		36
G96-1797	43	38	41		41
N96-6752	36	26	35		32
N96-7031	37	31	37		35
N97-9788	36	32	34		34
SC94-1000	38	36	38		37
SC95-771	41	36	38		38
SC96-1574	43	38	38		40
SC96-226	41	39	36		39
SC96-2736	38	37	41		38
N97-984	46	36	39		41

TABLE 74 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	35	20	29	31	26	38	41	29	26	29	30
PRI CHARD	33	22	28	31	21	38	45	32	23	30	30
Au94-863	33	24	30	34	24	36	43	32	24	31	31
Au96-6	32	20	30	31	22	36	38	27	23	26	28
G90-R1551E	34	21	28	29	23	35	42	31	27	24	29
G93-2225	35	21	33	29	24	36	41	32	25	29	31
G94-3117	32	22	29	30	23	37	42	31	25	28	30
G95-2567	36	23	32	32	26	38	40	31	23	28	31
G95-346	31	18	26	29	21	33	38	29	25	23	27
G96-1797	34	21	32	33	25	41	43	33	25	29	32
N96-6752	24	16	22	24	17	31	32	27	22	20	24
N96-7031	32	19	29	29	18	31	42	29	22	21	27
N97-9788	26	19	26	24	18	36	33	24	21	23	25
SC94-1000	34	22	30	32	27	37	45	34	27	28	32
SC95-771	33	17	33	32	24	39	44	30	28	33	31
SC96-1574	32	23	31	29	24	33	41	31	25	33	30
SC96-226	34	24	30	32	27	36	42	30	25	29	31
SC96-2736	32	21	32	33	23	38	44	31	25	29	31
N97-984	35	18	32	29	23	37	40	34	24	29	30

TABLE 75 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VIII, 2000

STRAIN/ VARIETY	EAST			MEAN
	CLINTON NC	FLORENCE SC	JACKSON SPRINGS NC	
COOK	4	1	2	2
PRICHARD	4	1	2	2
Au94-863	4	1	3	3
Au96-6	4	1	2	2
G90-R1551E	4	1	2	2
G93-2225	3	1	2	2
G94-3117	4	1	3	3
G95-2567	4	1	2	2
G95-346	4	1	2	2
G96-1797	4	1	2	2
N96-6752	3	1	3	2
N96-7031	3	1	2	2
N97-9788	3	1	3	2
SC94-1000	3	1	3	2
SC95-771	4	1	2	2
SC96-1574	4	1	1	2
SC96-226	4	1	2	2
SC96-2736	3	1	2	2
N97-984	3	1	2	2

TABLE 75 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BLACKVILLE SC(B)	CLEMSON SC	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	2	1	1	1	1	2	3	1	1	1	1
PRI CHARD	2	1	2	1	1	3	2	1	1	1	2
Au94-863	2	1	2	1	1	3	3	1	1	1	2
Au96-6	2	1	2	1	1	2	2	1	1	1	1
G90-R1551E	2	1	1	1	1	3	2	1	1	1	1
G93-2225	2	1	2	1	1	2	2	1	1	1	1
G94-3117	2	1	2	1	1	2	2	1	1	1	1
G95-2567	2	1	2	1	1	3	2	1	1	1	2
G95-346	2	1	2	1	1	2	3	1	1	1	1
G96-1797	2	1	2	1	1	2	2	1	1	1	1
N96-6752	2	1	1	1	1	2	2	1	1	1	1
N96-7031	2	1	1	1	1	2	2	1	1	1	1
N97-9788	2	1	1	1	1	2	2	1	1	1	1
SC94-1000	2	1	1	1	1	3	2	1	1	1	1
SC95-771	2	1	2	1	1	3	3	1	1	1	2
SC96-1574	2	1	2	1	1	3	2	1	1	1	2
SC96-226	2	1	2	1	1	2	2	1	1	1	1
SC96-2736	2	1	2	1	1	2	2	1	1	1	1
N97-984	2	1	2	1	1	2	2	1	1	1	2

TABLE 76 - SEED QUALITY SCORES FOR STRAIN/VARIETY GROWN IN UNIFORM GROUP VII, 2000

EAST

STRAIN/ VARIETY	CLINTON	JACKSON SPRINGS	MEAN
	NC	NC	
COOK	2	2	2
PRICHARD	2	2	2
Au94-863	2	2	2
Au96-6	2	2	2
G90-R1551E	2	2	2
G93-2225	2	2	2
G94-3117	2	2	2
G95-2567	2	2	2
G95-346	2	2	2
G96-1797	2	2	2
N96-6752	2	2	2
N96-7031	2	2	2
N97-9788	2	2	2
SC94-1000	2	2	2
SC95-771	2	2	2
SC96-1574	2	2	2
SC96-226	2	3	3
SC96-2736	2	2	2
N97-984	2	2	2

TABLE 76 - Continued

SOUTH

STRAIN/ VARIETY	ATHENS GA	BATON ROUGE LA	FAIRHOPE AL	JAY FL	MIDVILLE GA	PLAINS GA	TALLASSEE AL	TALLASSEE AL(L)	TIFTON GA	MEAN
COOK	1	3	2	2	1	1	1	1	3	2
PRICHARD	1	2	1	3	1	1	1	1	2	1
Au94-863	1	2	1	2	1	1	1	1	2	1
Au96-6	2	3	1	3	1	1	1	1	3	2
G90-R1551E	1	2	1	2	1	1	1	1	2	1
G93-2225	1	3	1	2	1	1	1	1	2	1
G94-3117	2	3	1	2	1	1	1	1	2	1
G95-2567	1	3	1	2	1	1	1	1	2	1
G95-346	1	3	1	2	1	1	1	1	2	1
G96-1797	1	2	1	2	1	1	1	1	2	1
N96-6752	1	3	2	2	1	1	1	1	2	2
N96-7031	1	2	1	2	1	1	1	1	2	1
N97-9788	1	3	1	2	1	1	1	1	2	2
SC94-1000	1	3	1	1	1	1	1	1	2	1
SC95-771	1	2	1	2	1	1	1	1	2	1
SC96-1574	1	3	1	1	1	1	1	1	2	1
SC96-226	1	3	1	1	1	1	1	1	2	1
SC96-2736	1	2	1	2	1	1	1	1	2	1
N97-984	2	3	1	2	1	2	1	1	3	2

PRELIMINARY GROUP VIII

2000

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, 2000

STRAIN/VARIETY	PARENTAGE	GENERATION COMPOSITED
1. COOK	BRAXTON X YOUNG	
2. PRICHARD	COKER 82-622 X HOWARD	
3. Au97-1402	SC90-2089 X Benni ng	F6
4. Au97-1586	N91-1639 X Benni ng	F6
5. Au97-1622	N91-1639 X Benni ng	F6
6. Au97-722	Boggs X G89-300	F6
7. G96-1114	G86-1434 X D87-4429	F5d
8. G97-1387	Dol es X D87-4429	F6d
9. G97-1419	Dol es X D87-4429	F6d
10. G97-2106	G89-375 X Haskel l	F6d
11. G97-242	N91-639 X G89-375	F5d
12. G97-2449	G89-375 X Haskel l	F6d
13. G97-2545	Dol es X G86-1267	F7d
14. N97-10074	N90-7199 X N91-8005	F4
15. N97-6439	N92-7005 X N91-8005	F4
16. N97-9607	N90-7199 X COOK	F4
17. N97-9612	N90-7199 X COOK	F4
18. N97-9636	N90-7199 X COOK	F4
19. N97-9782	N90-7199 X N91-7254	F4
20. N97-9783	N90-7199 X N91-7254	F4
21. SC97-1746	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
22. SC97-1750	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
23. SC97-1755	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
24. SC97-1764	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
25. SC97-1821	NK' S S83-30 X (HUTCHESON X D87-4429)	F5
26. SC97-1881	SC88-2872 X SC90-3014	F5

TABLE 78 - GENERAL SUMMARY OF PERFORMANCE FOR THE STRAINS GROWN IN PRELIMINARY GROUP VIII, 2000 - MEAN OF 4 LOCATIONS

STRAIN/ VARIETY	SEED YIELD	MAT. INDEX	LODGING	HEIGHT	QUALITY	SEED SIZE	----PERCENT----		SCN 2	SCN 3	SCN 14
							PROTEIN	OIL			
COOK	39.1	10/28	2	35	2	15.6	42.3	18.9	.	4.3	3.7
PRI CHARD	43.2	6+	2	38	2	10.3	41.9	18.5	.	1.0	1.1
Au97-1402	39.4	0	2	37	2	14.2	42.5	19.0	.	1.0	3.9
Au97-1586	38.4	1+	2	36	2	11.2	42.1	19.6+	.	3.0	3.3
Au97-1622	40.2	2+	2	32	2	13.7	41.0	20.1+	.	1.0	4.4
Au97-722	38.2	4+	3	38	2	13.5	38.9-	20.1+	.	3.4	4.3
G96-1114	38.6	4-	2	31	2	17.5	42.1	18.9	.	1.0	4.0
G97-1387	43.4	2+	3	34	2	14.6	42.3	19.1	.	1.0	4.0
G97-1419	44.9	0	3	35	2	13.1	42.3	19.5+	.	1.0	3.3
G97-2106	36.2	5+	2	37	2	16.2	40.9	19.3	.	5.0	4.7
G97-242	39.4	0	2	36	2	13.3	41.7	19.4	.	4.3	4.0
G97-2449	43.8	0	3	36	2	14.7	39.0-	20.3+	.	1.8	4.1
G97-2545	38.7	1+	3	35	2	13.9	40.9	19.6+	.	1.0	4.4
N97-10074	43.1	1-	2	32	2	14.8	40.2-	20.4+	.	3.6	4.7
N97-6439	35.3	3+	2	31	2	18.0	40.3-	19.9+	.	4.9	4.6
N97-9607	37.1	0	2	34	2	11.8	40.6	19.5+	.	3.7	4.1
N97-9612	42.5	0	2	36	2	15.1	41.2	19.1	.	4.5	4.6
N97-9636	44.4	3+	2	36	2	14.7	39.8-	19.6+	.	4.5	3.7
N97-9782	38.9	8+	2	37	2	15.6	40.9	19.9+	.	3.7	4.0
N97-9783	39.7	1+	3	32	2	15.6	42.6	20.1+	.	3.4	4.3
SC97-1746	40.6	1+	2	37	2	15.8	40.2-	19.6+	.	1.0	4.3
SC97-1750	40.0	8+	2	37	2	15.5	38.8-	19.0	.	1.0	4.7
SC97-1755	41.3	1+	2	38	2	18.1	41.6	19.9+	.	1.0	4.9
SC97-1764	40.9	1+	2	41	2	13.3	41.9	19.3	.	1.0	4.9
SC97-1821	40.6	0	2	37	2	18.4	41.4	19.6+	.	1.0	4.7
SC97-1881	40.2	2-	2	37	2	12.9	41.2	20.3+	.	1.0	4.6
OVERALL MEAN	40.3						41.1	19.6			
L. S. D. (.05)	5.8						2.0	0.6			
C. V.	10%						3%	2%			

TABLE 79 - SEED YIELD, IN BUSHEL PER ACRE, FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	44.8	37.1	27.0	47.3	21.6	39.1
PRICHARD	42.7	58.1+	31.0	40.9	41.4+	43.2
Au97-1402	40.8	44.5	28.8	43.7	28.1	39.4
Au97-1586	35.8-	47.2	24.5	46.2	27.3	38.4
Au97-1622	32.6-	48.7	31.2	48.2	36.0	40.2
Au97-722	44.4	35.2	31.7	41.4	38.6+	38.2
G96-1114	40.6	30.0	33.5	50.3	30.0	38.6
G97-1387	44.3	48.2	34.7+	46.6	32.7	43.4
G97-1419	48.5	52.3	28.2	50.6	40.0+	44.9
G97-2106	42.1	35.3	23.4	44.0	35.5	36.2
G97-242	42.1	44.7	29.6	41.3	24.0	39.4
G97-2449	44.3	49.1	35.2+	46.8	29.4	43.8
G97-2545	37.1-	45.1	27.6	44.9	36.6	38.7
N97-10074	44.8	46.0	32.5	49.1	27.6	43.1
N97-6439	35.5-	42.1	25.0	38.8-	19.4	35.3
N97-9607	41.4	40.2	27.0	39.8-	26.0	37.1
N97-9612	44.3	41.3	37.7+	46.9	16.4	42.5
N97-9636	51.3	49.7	32.4	44.1	25.2	44.4
N97-9782	44.9	37.1	28.7	45.0	25.8	38.9
N97-9783	45.2	45.3	27.1	41.2	28.7	39.7
SC97-1746	46.2	44.2	26.8	45.2	39.2+	40.6
SC97-1750	43.5	45.9	27.0	43.9	35.8	40.0
SC97-1755	47.1	43.5	26.8	47.8	28.3	41.3
SC97-1764	44.3	39.8	29.7	50.0	38.9+	40.9
SC97-1821	41.4	46.8	27.6	46.8	30.9	40.6
SC97-1881	42.0	45.4	29.2	44.2	37.2	40.2
L. S. D. (0.05)	7.6	17.8	7.4	7.4	.	5.8
C. V. (%)	8.6	19.7	12.2	8.0	.	10.2

†Data not included in mean.

TABLE 80 - OIL PERCENTAGES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	19.6	18.2	18.7	18.9	19.4	18.9
PRI CHARD	18.8	17.5	18.7	18.8	18.8	18.5
Au97-1402	18.8	18.8	19.2	19.0	19.4	19.0
Au97-1586	19.7	18.4	19.7	20.5	19.3	19.6
Au97-1622	20.4	19.5	20.1	20.4	20.0	20.1
Au97-722	21.2	19.2	19.8	20.3	20.8	20.1
G96-1114	19.5	18.5	18.6	18.8	18.9	18.9
G97-1387	19.3	18.3	19.0	19.8	19.4	19.1
G97-1419	19.9	18.0	19.3	20.7	19.5	19.5
G97-2106	19.7	17.9	19.2	20.5	20.0	19.3
G97-242	20.1	18.9	19.2	19.2	19.9	19.4
G97-2449	20.8	19.4	20.4	20.6	21.1	20.3
G97-2545	19.4	19.3	19.4	20.1	19.6	19.6
N97-10074	20.5	19.8	20.2	21.1	20.5	20.4
N97-6439	19.2	19.5	20.5	20.2	20.3	19.9
N97-9607	19.9	18.5	19.7	19.8	19.8	19.5
N97-9612	19.4	18.1	19.2	19.5	19.1	19.1
N97-9636	19.8	18.9	19.4	20.2	19.5	19.6
N97-9782	20.6	18.8	19.5	20.5	19.8	19.9
N97-9783	20.3	19.0	20.4	20.8	20.7	20.1
SC97-1746	20.5	18.9	19.1	19.8	20.4	19.6
SC97-1750	19.6	18.4	18.9	19.1	18.6	19.0
SC97-1755	19.9	19.0	19.6	20.9	19.7	19.9
SC97-1764	19.4	18.5	19.5	19.7	20.1	19.3
SC97-1821	20.0	18.4	20.3	19.8	19.8	19.6
SC97-1881	20.9	19.5	20.3	20.4	20.6	20.3

†Data not included in mean.

**TABLE 81 - PROTEIN PERCENTAGES FOR STRAIN/VARIETY GROWN IN
PRELIMINARY GROUP VIII, 2000**

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	41.3	43.6	43.9	40.2	42.0	42.3
PRICHARD	42.7	43.3	41.7	39.8	41.4	41.9
Au97-1402	43.1	42.3	43.3	41.4	42.0	42.5
Au97-1586	42.5	43.3	42.0	40.6	43.2	42.1
Au97-1622	41.7	42.1	41.4	38.9	43.1	41.0
Au97-722	38.7	40.0	39.2	37.7	37.4	38.9
G96-1114	40.5	42.8	42.9	42.2	41.2	42.1
G97-1387	42.9	42.5	41.4	42.2	42.9	42.3
G97-1419	42.2	43.7	42.1	41.3	41.8	42.3
G97-2106	41.1	41.3	40.3	40.9	39.4	40.9
G97-242	41.1	42.3	42.6	40.9	41.4	41.7
G97-2449	39.2	40.2	37.9	38.7	39.1	39.0
G97-2545	41.6	41.8	40.9	39.4	41.8	40.9
N97-10074	39.6	41.5	40.8	38.7	40.1	40.2
N97-6439	42.4	40.5	39.0	39.4	40.5	40.3
N97-9607	41.3	42.1	40.8	38.2	40.4	40.6
N97-9612	41.2	42.5	41.4	39.8	41.0	41.2
N97-9636	39.6	41.7	40.4	37.3	40.9	39.8
N97-9782	40.8	41.8	41.6	39.5	41.6	40.9
N97-9783	42.6	44.0	42.8	40.9	42.1	42.6
SC97-1746	41.1	41.7	36.8	41.0	41.6	40.2
SC97-1750	30.6	42.3	41.7	40.7	42.9	38.8
SC97-1755	41.8	42.4	42.6	39.7	41.9	41.6
SC97-1764	42.4	42.7	42.2	40.2	41.2	41.9
SC97-1821	41.6	42.8	41.6	39.6	42.5	41.4
SC97-1881	40.6	42.7	41.4	39.9	40.6	41.2

†Data not included in mean.

TABLE 82 - SEED SIZE FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	16.6	15.4	17.2	13.1	14.5	15.6
PRI CHARD	15.5	14.2	14.0	10.2	13.3	13.5
Au97-1402	15.3	14.7	14.5	12.1	13.8	14.2
Au97-1586	15.1	15.3	15.0	12.8	14.6	14.6
Au97-1622	15.1	13.9	14.1	11.8	12.6	13.7
Au97-722	15.2	14.4	13.2	11.1	12.6	13.5
G96-1114	19.4	16.7	19.3	14.7	17.5	17.5
G97-1387	16.0	14.4	14.4	13.7	13.9	14.6
G97-1419	13.6	13.9	13.1	11.7	12.5	13.1
G97-2106	18.3	16.1	16.1	14.4	16.5	16.2
G97-242	14.1	14.7	13.8	10.6	14.7	13.3
G97-2449	16.6	14.1	15.5	12.8	15.2	14.7
G97-2545	14.2	14.4	14.7	12.2	13.6	13.9
N97-10074	15.7	14.4	16.3	12.6	13.9	14.8
N97-6439	19.4	17.4	19.7	15.3	19.5	18.0
N97-9607	16.7	16.0	16.6	12.2	15.3	15.4
N97-9612	15.9	14.6	16.4	13.5	14.9	15.1
N97-9636	15.5	15.3	15.3	12.5	14.2	14.7
N97-9782	17.7	15.6	15.9	13.4	16.0	15.6
N97-9783	17.0	15.4	16.6	13.2	15.1	15.6
SC97-1746	17.4	15.8	16.5	13.5	15.8	15.8
SC97-1750	17.1	15.7	15.3	13.9	16.1	15.5
SC97-1755	19.4	17.3	19.3	16.5	18.4	18.1
SC97-1764	19.8	17.4	17.0	14.5	17.3	17.2
SC97-1821	19.9	19.5	18.5	15.9	18.7	18.4
SC97-1881	13.7	13.6	13.9	10.4	13.5	12.9

†Data not included in mean.

TABLE 83 - PLANT HEIGHT FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	28	33	40	42	28	35
PRI CHARD	33	38	39	41	32	38
Au97-1402	32	34	40	42	31	37
Au97-1586	27	37	38	43	28	36
Au97-1622	21	36	35	37	26	32
Au97-722	31	43	38	40	29	38
G96-1114	25	28	36	37	27	31
G97-1387	28	34	38	35	24	34
G97-1419	28	36	37	39	32	35
G97-2106	31	38	34	44	31	37
G97-242	27	36	41	41	31	36
G97-2449	32	33	38	41	28	36
G97-2545	32	35	36	38	30	35
N97-10074	22	36	34	35	26	32
N97-6439	22	32	36	35	28	31
N97-9607	27	37	38	35	31	34
N97-9612	31	36	40	40	26	36
N97-9636	31	36	40	37	24	36
N97-9782	34	38	36	40	26	37
N97-9783	28	36	32	33	24	32
SC97-1746	32	38	38	41	31	37
SC97-1750	31	41	37	40	29	37
SC97-1755	35	37	38	42	29	38
SC97-1764	32	46	42	45	31	41
SC97-1821	30	42	38	39	27	37
SC97-1881	28	38	41	40	28	37

†Data not included in mean.

TABLE 84 - LODGING SCORES FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	BLACKVILLE SC	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	2	4	3	2	1	2
PRICHARD	2	4	2	1	1	2
Au97-1402	2	3	2	1	1	2
Au97-1586	2	4	2	2	1	2
Au97-1622	1	4	2	2	1	2
Au97-722	3	4	2	4	1	3
G96-1114	2	2	3	2	1	2
G97-1387	3	4	3	2	1	3
G97-1419	3	4	3	3	1	3
G97-2106	2	3	2	2	1	2
G97-242	1	4	2	2	1	2
G97-2449	4	4	2	2	1	3
G97-2545	4	4	2	2	1	3
N97-10074	2	3	2	2	1	2
N97-6439	1	3	2	2	1	2
N97-9607	1	3	2	2	1	2
N97-9612	2	3	2	2	1	2
N97-9636	2	3	3	2	1	2
N97-9782	1	4	3	2	1	2
N97-9783	3	4	2	3	1	3
SC97-1746	2	3	2	2	1	2
SC97-1750	1	2	2	2	1	2
SC97-1755	2	2	2	2	1	2
SC97-1764	1	3	2	2	1	2
SC97-1821	2	2	2	2	1	2
SC97-1881	2	4	2	2	1	2

†Data not included in mean.

TABLE 85 - SEED QUALITY FOR STRAIN/VARIETY GROWN IN PRELIMINARY GROUP VIII, 2000

STRAIN/ VARIETY	CLINTON NC	JACKSON SPRINGS NC	PLAINS GA	TALLASSEE† AL	MEAN
COOK	3	2	1	1	2
PRI CHARD	2	2	1	1	2
Au97-1402	2	2	1	1	2
Au97-1586	2	2	1	1	2
Au97-1622	2	2	1	1	2
Au97-722	2	2	1	1	2
G96-1114	2	3	1	1	2
G97-1387	2	2	1	1	2
G97-1419	2	2	1	1	2
G97-2106	3	2	1	1	2
G97-242	2	2	1	1	2
G97-2449	2	2	1	1	2
G97-2545	2	2	1	1	2
N97-10074	2	2	1	2	2
N97-6439	2	2	2	1	2
N97-9607	2	2	1	1	2
N97-9612	2	2	1	1	2
N97-9636	2	2	2	1	2
N97-9782	2	2	1	1	2
N97-9783	3	2	1	2	2
SC97-1746	2	2	1	1	2
SC97-1750	2	2	1	1	2
SC97-1755	2	2	1	2	2
SC97-1764	2	2	1	1	2
SC97-1821	2	2	1	1	2
SC97-1881	2	2	1	1	2

†Data not included in mean.