No. 200600025

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Seed Source, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE [illegible]T TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR [illegible]NG IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE [illegible]RPOSE , OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE [illegible] USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PRO[illegible]HE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Linwood'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this seventh day of August, in the year two thousand and six.

Attest:

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[illegible]riculture

REPRODUCE LOCALLY. *Include form number and date on all reproductions*

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER: SEED SOURCE INC.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME: SS9907

3. VARIETY NAME: LINWOOD

4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)*: 724 CAMBRIDGE ST. Apt. 2, CAMBRIDGE, MA 02141

5. TELEPHONE *(Include area code)*: 617-868-6987

6. FAX *(Include area code)*: 336-722-9396

FOR OFFICIAL USE ONLY

PVPO NUMBER: 200600025

FILING DATE: NOVEMBER 10, 2005

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION *(corporation, partnership, association, etc.)*: Corporation

8. IF INCORPORATED, GIVE STATE OF INCORPORATION: DELAWARE

9. DATE OF INCORPORATION: 2/28/89

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. *(First person listed will receive all papers)*

JOHN M. GREEN
3329 BERMUDA VILLAGE
ADVANCE, NC 27006

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FILING AND EXAMINATION FEES: $ 4,382.00
DATE 11/10/05

CERTIFICATION FEE: $ 768.00
DATE 5/9/06

11. TELEPHONE *(Include area code)*: 336-998-0225

12. FAX *(Include area code)*:

13. E-MAIL: jmgreen@tecinfo.net

14. CROP KIND *(Common Name)*: COTTON

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

- a. ☒ Exhibit A. Origin and Breeding History of the Variety
- b. ☒ Exhibit B. Statement of Distinctness
- c. ☒ Exhibit C. Objective Description of Variety
- d. ☐ Exhibit D. Additional Description of the Variety *(Optional)*
- e. ☒ Exhibit E. Statement of the Basis of the Owner's Ownership
- f. ☐ Voucher Sample *(2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)*
- g. ☐ Filing and Examination Fee ($2,705), made payable to "Treasurer of the United States" *(Mail to the Plant Variety Protection Office)*

19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? *See Section 83(a) of the Plant Variety Protection Act)*

☐ YES *(If "yes", answer items 20 and 21 below)* ☒ NO *(If "no," go to item 22)*

20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? ☐ YES ☐ NO

IF YES, WHICH CLASSES? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

21. DOES THE OWNER SPECIFY THAT THE CLASSES BE LIMITED AS TO NUMBER OF GENERATIONS? ☐ YES ☐ NO

IF YES, SPECIFY THE NUMBER 1, 2, 3, *etc.* ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED

(If additional explanation is necessary, please use the space indicated on the reverse.)

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES?

☐ YES ☒ NO

IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. *(Please use space indicated on reverse.)*

23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT *(PLANT BREEDER'S RIGHT OR PATENT)*?

☐ YES ☒ NO

IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. *(Please use space indicated on reverse.)*

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER		SIGNATURE OF OWNER	
John M. Green			
NAME *(Please print or type)*		NAME *(Please print or type)*	
JOHN M GREEN			
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE	DATE
President			

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable *(in the sense that it will reproduce an entire plant)* tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for $2,7 ($320 filing fee and $2,385 examination fee), payable to "Treasurer of the United States" *(See Section 97.6 of the Regulations and Rules of Practice.)* Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Va Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on th face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amo of $320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

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Plant Variety Protection Office
Telephone: (301) 504-5518
FAX: (301) 504-5291
Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:
(1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
(2) the details of subsequent stages of selection and multiplication;
(3) evidence of uniformity and stability; and
(4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified

18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If t new variety is most similar to one variety or a group of related varieties:

(1) identify these varieties and state all differences objectively;
(2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
(3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.

18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completel as possible to describe your variety.

18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, *etc.*

18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO

19. If "Yes" is specified *(seed of this variety be sold by variety name only, as a class of certified seed)*, the applicant MAY NOT reverse this affirmative decisio after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. *(See Regulations and Rules of Practice, Section 97.103).*

21. *See Section 83 of the Act for the Contents and Term of Plant Variety Protection.*

22. *See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.*

23. *See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.*

21. CONTINUED FROM FRONT *(Please provide a statement as to the limitation and sequence of generations that may be certified.)*

22. CONTINUED FROM FRONT *(Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)*

23. CONTINUED FROM FRONT *(Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)*

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. *(See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)*

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or famil str ius. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Ce at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

S&T-470 (2-99) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (6-98) which is obsolete.

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EXHIBIT A: ORIGIN AND BREEDING HISTORY OF ~~SS9907~~ 'LINWOOD'

The cross DES422-44xDPL90 was made in 1983 by Dr. R. R. Bridge at the Delta Branch Experiment Station at Stoneville, Mississippi. Plants selected in F2 were grown as progenies, and selected progenies were grown as populations in F4 and F5. Plants selected in F5 were grown as progenies in F6 and as populations in F7, and these bulks were evaluated for yield and quality. Through 1990 breeding in this material was at the Delta Branch Experiment Station.

Bulk seed of sub-strains of line 211 were released, and Seed Source grew them in 1994. Individual plants of strain 211-7 were planted in 1995, and plant to row breeding was done through 1997, when selected rows were bulked for increase in 1998 and testing in 1999.

The pedigree of SS9907 is DES422xDPL90-B-B-B-211-B-B-7-2-2-1-4-B

The selected row in 1998 was uniform, as was the increase in 1999. Subsequent increases have been uniform and free of rogues and variants. THE VARIETY IS UNIFORM AND STABLE.

SELECTION CRITERIA

SS9907 was selected for higher fiber strength and high yield. Both were effective. Test data are included.

UNIFORMITY AND STABILITY

A selected progeny row was bulked in 1998, increased in 1999, and tested as 9907 in 1999. Without any reselection, annual increases through 2005 have not shown a lack of uniformity or any rogues and variants.

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EXHIBIT B. DISTINCTIVENESS OF ~~SS 9907~~. 'LINWOOD'

SS9907 is not extreme in any phenotypic traits. Its branching pattern is spreading, but not with the longest branches or branch internodes. It can be described as a "normal" open-bolled cotton variety, as contrasted with extra large plants, cluster types, or dwarf or semi-dwarf plants. Of the varieties being compared, it is most like Stoneville 474. Figure 1 illustrates the similarities for four traits in 2003. Figure 2 illustrates similarities for 7 traits measured in 2001. Figure 3 illustrates the similarities for 7 traits measured in 2001. Figure 3 compares 20 traits in 2001 in 2001, and Figure 4 compares the same 20 plus seed index and lint index in 2003. Seasonal effects were extreme in some traits, notably mm to the first fruiting branch and length of the first fruiting branch in 2001, and leaf size in 2003.

Exh. D. AAA 09 Mar 2006

Consistent differences in cold tolerance and lint strength were observed in these two varieties. Results of germination tests illustrate the response to low temperatures in 2000.

	Germination per cent			
	Warm germ.	Mild cold test	Severe cold test	% of warm
SS9907	84	52	42	50
STO474	94	34	22	23.4

Another manifestation of cold tolerance is the ability to remain biologically active at low air temperatures. Turgid plants are active; wilted are not. These observations were made on a cold morning (48 degrees F) in May, 2002.

	NUMBER OF PLOTS		
	OBSERVED	TURGID	WILTED
SS9907	6	6	0
STO 474	3	0	3

STO 474 and SS9907 differ in two important lint properties:

LINT STRENGTH	GRAMS/TEX		
	STO 474	SS9907	LSD
Winnsboro, LA	28.2	31.6	1.5
St. Joseph LA	26.4	30.4	1.3
Alexandria LA	29.1	31.5	1.3

Additions from supporting tables, s.nn. AAA 09 Mar 2006

LINT COARSENESS	MICRONAIRE		
	STO 474	SS9907	LSD
Winnsboro, LA	4.6	6.0	0.4
St Joseph, LA	5.0	5.5	0.2

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WINNSBORO, LA, 2000

... under irrigated conditions on Gigger silt loam, at the Macon Ridge

	Lint Yield (lbs)/A	Lint %	Boll Wt(g)	Fiber Properties: Mic.	Length UHM in.	UI %	Strength (g/tex)	Elong.
SG355	1398	41.5	4.7	4.7	1.10	84.1	28.6	6.9
Grow SG 747	1375	40.1	4.1	4.6	1.08	84.0	29.8	8.2
Stoneville ST 4691B	1366	41.3	4.6	4.6	1.09	84.2	28.3	6.3
Miss. St. 8806-3-2-19	1361	41.2	4.7	4.4	1.12	83.6	27.2	6.4
Seed Source SS 9907 LINLOOD	1341	39.1	4.3	4.2	1.07	83.8	29.8	7.1
FiberMax FM 958	1328	41.5	4.2	5.0	1.08	83.4	31.6	6.9
JAJO 8185	1311	40.2	4.8	4.4	1.16	84.3	31.0	5.5
Deltapine DP 20B	1290	40.3	4.8	4.4	1.11	84.0	29.7	8.0
Sure-Grow SG 215 BR	1278	39.7	5.0	4.8	1.10	83.1	26.6	7.6
Deltapine DP 428B	1263	40.9	4.6	4.8	1.07	83.1	25.5	8.2
Deltapine DP 388	1253	38.6	4.6	4.9	1.10	83.8	26.7	7.2
Stoneville BXN 47	1251	41.0	4.0	4.5	1.07	83.2	28.5	7.8
Seed Source SS 8901	1249	41.2	4.1	4.3	1.07	83.2	26.1	7.1
Stoneville ST 4793R	1244	40.2	4.8	4.8	1.08	83.3	28.7	7.1
DES X01H10	1235	42.1	4.6	4.7	1.09	83.3	27.9	6.9
Seed Source Condor	1231	38.6	4.4	4.3	1.09	83.0	29.8	7.4
Paymaster PM 1218 BR	1231	41.2	4.5	4.6	1.05	82.4	28.2	6.9
Stoneville ST 474	1230	40.9	5.0	4.8	1.09	84.3	27.4	7.2
Deltapine NuCotn 33B*	1210	42.3	4.1	4.6	1.08	83.0	28.2	6.9
Deltapine DP 420RR	1188	37.6	4.6	4.7	1.11	83.9	28.2	7.3
Sure-Grow SG 821*	1188	39.5	4.2	4.3	1.08	83.6	27.2	7.5
Sure-Grow SG 501 BR	1184	39.3	4.5	4.4	1.09	84.0	30.4	8.7
Miss. St. 8839-3-10-2	1183	40.4	4.7	5.1	1.09	83.8	31.5	7.4
FiberMax FM 966	1180	38.5	4.4	4.5	1.12	83.9	27.0	8.8
JAJO 8184	1171	39.0	4.6	3.8	1.12	83.6	30.5	5.2
Deltapine DP 436RR	1146	41.4	4.8	4.8	1.09	84.2	31.4	8.7
DES X03H16	1138	37.6	4.7	4.7	1.09	82.9	27.2	7.7
Deltapine DP 422 BR	1137	38.7	4.7	4.4	1.08	83.2	28.3	7.1
PhytoGen GA161	1133	38.0	4.7	4.5	1.09	83.5	27.2	8.0
Garst/Agripro 1500RR	1118	37.5	5.1	4.3	1.15	83.8	30.8	8.2
Deltapine DP 451 BR	1101	38.8	4.9	4.1	1.11	83.7	30.3	7.0
FiberMax FM 819	1090	38.2	4.5	4.5	1.10	83.7	26.8	7.0
Stoneville X00001	1070	39.8	3.8	4.0	1.16	84.3	29.5	5.6
Sure-Grow SG 521RR	1034	40.6	4.7	4.1	1.11	83.3	28.3	6.8
Novartis NK 2108ss	997	40.3	4.1	4.4	1.05	83.8	28.9	8.1
Mean=	973	39.6	5.0	4.6	1.07	82.6	27.9	7.3
LSD(.05)=	1208	39.9	4.5	4.6	1.09	83.6	28.5	7.2
CV (%)=	162	1.4	0.5	0.4	0.03	1.0	1.5	0.5
	9.6	0.7	6.5	5.2	1.67	0.8	3.2	4.1

*Variety included for comparison purposes

5 REC'D 12/30

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St.Joseph, Louisiana, 2000.

Variety	Lint Yield (lbs)/A	Lint %	Boll Wt(g)	Mic.	Fiber Properties: Length UHM in.	UI %	Strength (g/tex)	Elong.
Seed Source SS 9907	1,443	41.3	4.4	5.5	1.04	85.3	30.4	6.7
Stoneville ST 4892BR	1,418	40.0	4.7	5.2	1.09	85.2	28.3	6.8
FiberMax FM 966	1,395	39.8	5.7	4.9	1.15	86.9	30.3	4.9
Stoneville BXN 47	1,388	40.2	4.4	5.0	1.11	85.6	27.2	6.8
JAJO 8185	1,380	42.5	5.1	5.0	1.07	84.8	28.6	8.2
Deltapine DP 20B	1,366	39.7	5.1	4.8	1.10	85.3	26.7	7.7
Stoneville ST 4793R	1,358	40.7	4.8	5.1	1.08	85.5	27.8	6.7
Sure-Grow SG 215 BR	1,353	40.1	4.7	5.1	1.04	84.5	25.9	7.9
FiberMax FM 958	1,349	40.8	5.3	5.0	1.14	84.9	29.3	5.1
Stoneville ST 4691B	1,341	39.7	4.7	4.7	1.09	84.6	27.3	6.5
PhytoGen PSC355*	1,338	39.9	4.3	4.9	1.09	85.2	30.3	8.2
Sure-Grow SG 105	1,327	39.7	4.8	5.2	1.11	85.9	28.6	6.8
JAJO 8184	1,308	41.9	5.1	5.3	1.08	85.9	29.2	8.5
DES X01H10	1,304	38.2	4.8	4.7	1.09	85.1	28.4	7.9
Miss. St. 8839-3-10-2	1,304	37.4	4.6	4.7	1.15	86.0	27.0	6.8
Stoneville ST 474	1,299	40.4	4.3	5.0	1.06	85.3	26.4	6.8
Sure-Grow SG 521RR	1,298	40.2	4.7	4.9	1.05	84.9	27.7	7.9
Sure-Grow SG 747	1,296	41.5	5.1	5.1	1.10	85.9	27.2	7.9
Paymaster PM 1218 BR	1,291	41.3	5.2	5.0	1.02	82.9	26.3	7.6
DES X03H16	1,288	39.3	5.1	4.8	1.09	85.5	29.1	6.9
Miss. St. 8806-3-2-19	1,280	38.6	4.4	4.8	1.07	85.2	28.5	6.8
Stoneville X00001	1,260	39.3	4.8	4.5	1.13	84.4	26.7	6.8
Seed Source Condor	1,251	41.4	4.4	5.1	1.04	83.7	27.1	6.5
Deltapine NuCotn 33B*	1,229	38.0	4.6	5.0	1.11	84.9	27.7	6.7
Deltapine DP 420RR	1,224	39.2	4.9	4.8	1.07	84.6	25.8	7.7
Deltapine DP 422 BR	1,211	37.4	5.3	4.7	1.08	85.3	26.1	8.2
Sure-Grow SG 501 BR	1,210	38.9	4.8	5.2	1.05	85.6	29.2	7.6
Sure-Grow SG 821*	1,207	38.8	4.7	5.0	1.10	84.0	29.8	8.5
Deltapine DP 451 BR	1,196	36.9	4.7	5.1	1.10	85.1	25.7	6.6
FiberMax FM 819	1,190	40.1	4.3	4.7	1.18	86.4	30.7	5.6
Deltapine DP 436RR	1,176	36.5	5.1	5.1	1.09	85.6	26.7	7.7
Seed Source SS 9901	1,173	39.3	4.6	4.8	1.07	83.4	28.0	6.6
PhytoGen GA161	1,172	37.7	4.9	4.6	1.15	85.6	29.9	6.3
Deltapine DP 388	1,163	39.4	4.2	4.7	1.09	85.1	28.5	7.5
Deltapine DP 428B	1,130	37.7	4.6	5.0	1.09	85.0	25.5	6.7
All Tex Atlas	1,044	34.6	5.4	4.7	1.06	83.3	30.0	7.0
Garst/Agripro 1500RR	1,010	38.6	4.7	4.6	1.11	85.0	29.4	6.8
Novartis NK 2108ss	967	39.5	5.2	4.9	1.03	82.5	25.5	7.4
Acala Maxxa	833	39.7	5.4	4.3	1.12	85.5	32.6	6.0
GP EX 3-00	761	37.0	5.9	4.6	1.12	84.1	27.8	6.5
Mean=	1,238	39.3	4.8	4.9	1.09	85.0	28.1	7.0
LSD(.05)=	174	1.1	0.3	0.2	0.03	1.5	1.3	0.5
CV (%)=	10.1	0.5	3.9	2.6	1.88	1.1	2.9	4.0

*Variety included for comparison purposes.

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...7 under irrigated conditions on Gigger silt loam, at the Macon Ridge ...2000.

	Lint Yield (lbs)/A	Lint %	Boll Wt(g)	Fiber Properties: Mic.	Length UHM in.	UI %	Strength (g/tex)	Elong.
SC355	1398	41.5	4.7	4.7	1.10	84.1	28.6	8.9
Grow SG 747	1375	40.1	4.1	4.8	1.08	84.0	29.8	8.2
Stoneville ST 4691B	1366	41.3	4.8	4.8	1.09	84.2	28.3	8.3
Miss. St. 8808-3-2-19	1361	41.2	4.7	4.4	1.12	83.8	27.2	6.4
Seed Source SS 9907 UNLOCK	1341	39.1	4.3	4.2	1.07	83.8	29.8	7.1
FiberMax FM 958	1328	41.5	4.2	5.0	1.08	83.4	31.6	6.9
JAJO 8185	1311	40.2	4.8	4.4	1.16	84.3	31.0	5.5
Deltapine DP 20B	1290	40.3	4.8	4.4	1.11	84.0	29.7	8.0
Sure-Grow SG 215 BR	1279	39.7	5.0	4.8	1.10	83.1	26.8	7.6
Deltapine DP 428B	1263	40.9	4.6	4.8	1.07	83.1	25.5	8.2
Deltapine DP 388	1253	38.8	4.8	4.9	1.10	83.8	28.7	7.2
Stoneville BXN 47	1251	41.0	4.0	4.5	1.07	83.2	28.5	7.8
Seed Source SS 8901	1249	41.2	4.1	4.3	1.07	83.2	28.1	7.1
Stoneville ST 4793R	1244	40.2	4.8	4.8	1.08	83.3	28.7	7.1
DES X01H10	1235	42.1	4.6	4.7	1.09	83.3	27.9	6.9
Seed Source Condor	1231	38.8	4.4	4.3	1.09	83.0	29.8	7.4
Paymaster PM 1218 BR	1231	41.2	4.5	4.8	1.05	82.4	29.2	6.9
Stoneville ST 474	1230	40.9	5.0	4.9	1.09	84.3	27.4	7.2
Deltapine NuCotn 33B*	1210	42.3	4.1	4.8	1.08	83.0	28.2	6.9
Deltapine DP 420RR	1189	37.6	4.5	4.7	1.11	83.9	28.2	7.3
Sure-Grow SG 821*	1188	39.5	4.2	4.3	1.08	83.6	27.2	7.5
Sure-Grow SG 501 BR	1184	39.3	4.5	4.4	1.09	84.0	30.4	8.7
Miss. St. 8839-3-10-2	1183	40.4	4.7	5.1	1.09	83.8	31.5	7.4
FiberMax FM 988	1180	38.5	4.4	4.5	1.12	83.9	27.0	6.8
JAJO 8184	1171	39.0	4.8	3.8	1.12	83.6	30.5	5.2
Deltapine DP 436RR	1146	41.4	4.9	4.8	1.09	84.2	31.4	8.7
DES X03H16	1138	37.6	4.7	4.7	1.09	82.9	27.2	7.7
Deltapine DP 422 BR	1137	38.7	4.7	4.4	1.08	83.2	29.3	7.1
PhytoGen GA161	1133	38.0	4.7	4.5	1.09	83.5	27.2	8.0
Garst/Agripro 1500RR	1118	37.5	5.1	4.3	1.15	83.8	30.9	8.2
Deltapine DP 451 BR	1101	38.8	4.9	4.1	1.11	83.7	30.3	7.0
FiberMax FM 819	1090	38.2	4.5	4.5	1.10	83.7	28.8	7.0
Stoneville X00001	1070	39.8	3.8	4.0	1.16	84.3	29.5	5.8
Sure-Grow SG 521RR	1034	40.6	4.7	4.1	1.11	83.3	28.3	6.8
Novartis NK 2108ss	897	40.3	4.1	4.4	1.05	83.8	28.9	8.1
Mean=	873	39.8	5.0	4.5	1.07	82.5	27.8	7.3
LSD(.05)=	1208	39.9	4.5	4.5	1.09	83.8	28.5	7.2
CV (%)=	162	1.4	0.5	0.4	0.03	1.0	1.5	0.5
	9.6	0.7	6.5	5.2	1.67	0.8	3.2	4.1

*Variety included for comparison purposes.

Table . Performance of medium maturing cotton varieties under irrigated conditions on Gigger silt loam, at the Macon Ridge Research Station, Winnsboro, Louisiana, 2000.

Variety	Lint Yield (lbs)/A	Lint %	Boll Wt(g)	Fiber Properties: Mic.	Length UHM in.	UI %	Strength (g/tex)	Elong.
Sure-Grow SG 821	1323	39.0	4.9	4.8	1.10	84.1	31.3	8.8
Deltapine DP 565	1290	39.3	4.7	4.7	1.13	84.6	29.4	8.6
Deltapine DP 5415RR	1281	38.9	4.6	4.7	1.11	83.7	31.7	7.2
Sure-Grow SG 747*	1248	41.6	4.8	4.7	1.10	84.7	29.0	8.2
Deltapine Topaz	1246	40.5	4.5	4.9	1.10	83.5	30.4	7.0
PhytoGen PSC355*	1230	40.3	4.1	4.5	1.07	83.6	31.2	8.2
Deltapine DP 458 BR	1222	38.8	4.5	4.7	1.10	83.2	29.8	7.2
PhytoGen GA884	1214	38.4	5.2	4.3	1.12	84.4	31.4	6.4
Garst/Agripro 4600RR	1214	38.7	5.0	4.4	1.05	82.1	27.9	7.5
Deltapine Delta Pearl	1211	38.7	4.4	4.4	1.15	83.4	30.0	5.8
Stoneville ST 580	1199	38.5	4.7	4.4	1.09	84.0	30.1	7.4
Paymaster PM 1560 BR	1190	38.1	4.7	4.2	1.10	83.4	29.3	7.0
PhytoGen GA161	1192	37.2	5.2	4.3	1.13	84.0	32.5	6.8
Seed Source SS 9815	1177	37.8	4.8	4.4	1.09	83.7	30.8	7.0
Stoneville X9905	1140	39.0	5.3	4.2	1.11	82.9	30.0	8.2
Deltapine DPX 99Q47B	1109	37.7	4.3	4.1	1.13	83.2	30.0	5.7
Seed Source Ligur	1108	38.0	4.5	4.3	1.12	84.2	32.7	6.1
Deltapine DPX 99X02	1098	36.1	4.7	4.2	1.12	83.9	32.9	6.5
Deltapine NuCOTN 33B	1096	38.4	4.4	4.2	1.11	83.7	29.7	7.2
PhytoGen PSC852	1079	39.6	4.5	4.2	1.08	83.1	29.6	7.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

2005 NOV 10 PM 12:10

Table . Performance of medium maturing cotton varieties planted on Norwood silty clay loam, Dean Lee Research Station, Alexandria, Louisiana 2000.

Variety	Lint Yield (lbs)/A	Lint %	% 1st Hvst	Boll Wt(g)	Fiber Properties: Mic.	Length UHM in.	UI %	Strength (g/tex)	Elong.
Stoneville X9905	2,098	34.9	95.2	5.8	4.5	1.15	84.3	30.2	6.2
Stoneville ST 474*	1,970	36.3	94.4	4.8	5.0	1.10	84.5	30.1	7.1
PhytoGen PSC355*	1,869	35.5	93.9	4.7	4.7	1.12	84.6	32.4	8.3
Deltapine DP 565	1,799	34.9	90.6	4.8	4.7	1.16	85.0	32.4	6.8
FiberMax FM 832	1,758	33.3	94.3	5.7	4.2	1.21	87.2	34.3	6.1
Deltapine Delta Pearl	1,754	36.3	91.1	4.6	4.5	1.19	84.8	30.7	5.8
Sure-Grow SG 747*	1,718	35.5	91.5	4.6	4.9	1.13	85.2	30.0	8.3
Stoneville ST 580	1,701	33.6	91.0	4.8	4.5	1.13	84.2	31.6	8.0
PhytoGen PSC952	1,657	34.2	93.1	5.0	4.7	1.09	83.5	31.1	7.7
Sure-Grow SG 821	1,648	33.5	90.2	5.2	4.8	1.13	84.8	32.3	8.8
Garst/Agripro 4600RR	1,633	33.9	90.6	5.3	4.8	1.06	83.1	28.2	7.3
Seed Source SS 9815	1,595	33.5	90.5	4.7	4.6	1.13	84.8	32.0	7.4
Paymaster PM 1560 BR	1,564	34.2	89.4	4.9	4.5	1.13	84.5	31.4	7.1
Deltapine Topaz	1,552	35.2	85.9	4.3	4.9	1.12	84.0	30.4	7.1
FiberMax FM 989	1,505	32.9	91.9	4.9	4.3	1.16	84.6	33.9	6.2
Deltapine DPX 99Q47B	1,504	33.2	89.4	4.7	4.5	1.19	84.8	31.1	5.7
Deltapine DP 5415RR	1,442	34.3	84.2	4.5	4.7	1.11	84.0	32.5	7.1
Deltapine NuCOTN 33B	1,408	33.3	83.5	4.6	4.5	1.15	84.5	30.5	7.5
PhytoGen GA894	1,404	32.0	88.7	5.4	4.3	1.15	84.9	33.6	6.5
PhytoGen GA 161	1,398	31.8	89.8	5.3	4.4	1.16	84.5	32.6	6.5
Deltapine DP 458 BR	1,367	33.7	83.7	4.6	4.7	1.13	84.1	31.4	7.1
PhytoGen HS12	1,292	33.0	83.7	4.4	4.7	1.15	84.4	33.8	6.2
Deltapine DPX 99X02	1,245	30.0	84.4	4.7	4.3	1.14	84.1	33.1	6.4
Seed Source Ligur	1,149	32.7	80.6	4.4	4.7	1.12	84.1	34.3	6.3
Mean=	1,585	33.8	89.2	4.9	4.6	1.14	84.5	31.8	7.0
LSD(.05)=	188	2.6	3.2	0.4	0.2	0.03	1.0	1.3	0.3
CV (%)=	8.4	5.5	2.5	4.8	2.8	1.56	0.7	2.5	2.8

Table . Performance of early maturing cotton varieties planted on Norwood silty loam, Dean Lee Research Station, Alexandria, Louisiana, 2000.

Variety	Lint Yield (lbs)/A	Lint %	% 1st Hvst	Boll Wt(g)	Fiber Properties: Mic.	Length UHM in.	UI %	Strength (g/tex)	Elong.
Paymaster PM 1218 BR	1,931	36.0	92.1	5.2	4.7	1.09	82.4	28.6	7.0
Stoneville ST 4691B	1,845	37.7	91.9	4.9	4.7	1.11	83.5	27.9	6.9
Seed Source SS 9907	1,798	38.1	88.6	4.4	5.2	1.08	83.7	32.5	7.2
Stoneville BXN 47	1,764	37.4	92.4	4.6	4.7	1.11	82.8	29.3	7.1
Sure-Grow SG 215 BR	1,759	34.7	89.7	4.9	4.8	1.08	83.3	28.0	8.0
Stoneville ST 474	1,729	37.3	91.4	4.7	4.9	1.10	84.2	29.1	7.4
JAJO 8185	1,723	37.9	89.7	5.1	4.7	1.11	84.1	31.4	8.9
PhytoGen PSC355*	1,719	34.1	92.8	4.6	5.0	1.11	84.3	31.2	8.2
Sure-Grow SG 747	1,715	35.9	88.8	4.8	5.1	1.10	84.2	29.2	8.1
Deltapine DP 20B	1,713	36.3	85.1	4.8	4.4	1.09	82.9	29.2	7.7
FiberMax FM 819	1,700	35.3	91.2	4.5	4.4	1.18	85.1	31.3	5.8
FiberMax FM 966	1,691	34.9	89.2	5.9	4.4	1.14	85.2	30.7	5.0
Miss.ST. 8806-3-2-19	1,690	31.9	92.7	5.0	4.5	1.12	84.5	31.0	7.4
Stoneville ST 4892BR	1,686	36.3	90.0	4.6	4.9	1.09	83.2	29.2	7.1
FiberMax FM 958	1,681	36.5	87.1	5.0	4.7	1.13	83.9	30.8	5.8
JAJO 8184	1,681	37.4	89.8	5.2	4.9	1.07	84.0	30.9	8.6
Novartis NK 2108ss	1,650	34.3	92.9	5.4	4.5	1.11	82.9	28.7	7.2
Deltapine DP 420RR	1,641	35.4	87.1	4.9	4.6	1.09	83.3	28.8	7.6
Sure-Grow SG 501 BR	1,639	35.0	86.1	4.9	4.9	1.10	84.0	30.5	7.9
Deltapine DP 388	1,632	34.7	91.0	4.3	4.5	1.08	83.3	29.8	7.7
DES X03H16	1,623	33.4	92.7	4.8	4.5	1.10	83.0	29.8	7.4
Seed Source SS 9901	1,618	37.4	89.0	4.7	4.7	1.07	82.6	29.2	7.3
Stoneville ST 4793R	1,618	36.5	90.6	4.7	4.8	1.08	83.8	28.8	7.0
DES X01H10	1,593	33.4	92.8	4.5	4.4	1.09	83.4	30.2	7.5
Seed Source Condor	1,584	35.6	89.5	4.9	5.0	1.08	82.9	29.1	6.8
Sure-Grow SG 821*	1,578	35.3	89.2	5.1	5.1	1.09	83.3	29.8	8.6
Sure-Grow SG 521RR	1,571	37.2	87.6	4.7	4.9	1.07	83.5	29.2	7.8
Deltapine DP 436RR	1,566	32.1	89.6	5.1	4.7	1.12	84.5	28.4	7.8
Deltapine DP 428B	1,565	33.6	86.4	5.0	5.0	1.10	84.1	27.4	7.0
Stoneville X 00001	1,558	37.2	92.3	4.9	4.5	1.10	82.7	27.8	7.0
Deltapine DP 422 BR	1,533	34.1	86.8	5.0	4.5	1.09	82.8	28.5	8.0
Deltapine DP 451 BR	1,499	31.9	89.4	4.9	4.9	1.10	83.2	27.5	6.7
Deltapine NuCOTN 33B*	1,475	31.9	83.4	4.6	4.6	1.11	83.2	28.8	7.4
Miss.ST. 8839-3-10-2	1,454	29.7	90.1	4.9	4.4	1.18	84.5	29.3	7.1
PhytoGen GA 161	1,359	33.3	86.7	4.8	4.5	1.15	84.1	31.4	6.7
Garst/Agripro 1500RR	1,109	34.9	79.1	4.8	4.4	1.09	83.2	31.1	7.1
Mean=	1,630	35.1	89.3	4.9	4.7	1.10	83.6	29.6	7.3
[illegible]	[illegible]	[illegible]	[illegible]	0.4	0.2	0.03	0.9	1.1	0.5

200600025

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AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

EXHIBIT C (COTTON)

OBJECTIVE DESCRIPTION OF VARIETY COTTON (*Gossypium* spp.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
SEED SOURCE INC.	SS 9907	'LINWOOD'

ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)
4578 OLD LELAND ROAD
STONEVILLE, MS 38776

FOR OFFICIAL USE ONLY
PVPO NUMBER
200600025

Place the appropriate data that describes the varietal characteristics of this variety in the space provided. Characteristics described, including numerical measurements, should represent those that are typical for the variety. Royal Horticultural Society or any recognized color fan may be used to determine plant colors. Characters marked with an asterisk * indicate necessary characters to be measured.

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Variety 1. SG747 Variety 2. STO 474 Variety 3. CT-12

*1. SPECIES:

X *G. hirsutum* L. ____ *G. barbadense* L.

*2. AREA(S) OF ADAPTATION: (A = Adapted, NA = Not Adapted, NT = Not Tested)

A Eastern — A Delta — A Central — A Blacklands
NT Plains — NT Western — NT Arizona — ____ San Joaquin
____ Other (Specify): _____

3. GENERAL: Characteristics which are known to be variable but are still useful for a meaningful description of the variety.

	Application Variety	Comparison Variety 1	Comparison Variety 2	Comparison Variety 3
Plant Habit: Spreading, Intermediate, Compact	I	S	I	I
Foliage: Sparse, Intermediate, Dense	I	I	I	I
Stem Lodging: Lodging, Intermediate, Erect	E	E	E	E
Fruiting Branch: Clustered, Short, Normal	N	N	S	N

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3. GENERAL: (continued)

200600025

Growth: Determinate, Intermediate, Indeterminate	I	I	I	I
Leaf Color: Greenish yellow, Light green, Medium green, Dark green	DG	DG	GY	DG
Boll Shape: Length less than width, Length equal to width, Length more than width	MORE	MORE	MORE	MORE
Boll Breadth: Broadest at base, Broadest at middle	Middle	Middle	Middle	Middle

*4. MATURITY: (50 % Open bolls; Preferred method; Describe method if different method was used.)

Date of 50 % open bolls	8/16	8/17	8/16	8/16

5. PLANT:

Cm to 1st Fruiting Branch: (from cotyledonary node)	14	9	16	12
No. of Nodes to 1st Fruiting Branch: (excluding cotyledonary node)	6	4	7	3
Mature Plant Height cm: (from cotyledonary node to terminal)	71	75	71	76

*6. LEAF: Upper most, fully expanded leaf.

Type: Normal, Sub Okra, Okra, Super Okra	N	N	N	N
Pubescence: Absent, Sparse, Medium, Dense **OR** Trichomes/cm² (Bottom surface excluding veins)	D	A	D	A
Nectaries: Present or Absent	P	P	P	P

*7. STEM PUBESCENCE: Glabrous, Intermediate, Hairy	H	I	H	I

*8. GLANDS: (Gossypol) Absent, Sparse, Normal, More Than Normal

Leaf:	N	N	N	N
Stem:	N	N	N	N
Calyx Lobe: (normal is absent)	A	A	A	A

*9. FLOWER:

Petals: Cream, Yellow	C	C	C	C
Pollen: Cream, Yellow	C	C	C	C
Petal Spot: Present, Absent	A	A	A	A

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*10. SEED: 200600025

Seed Index: (g/100 seeds, fuzzy basis)	9	9.5	9.7	9.5
Lint Index: (g lint/100 seeds)	6.12	6.03	6.88	6.52

*11. BOLL:

Lint Percent: ✓ Picked ____ Pulled	40.1	38.7	41.6	40.7
OR				
Gin Turnout: ____ Picked ____ Stripped				
Number of Seeds per Boll	30	34.4	32.7	36.7
Grams Seed Cotton per Boll	4.68	5.25	4.72	4.99
Number of Locules per Boll	~~4.68~~	4.23	4.26	4.69
Boll Type: (Stormproof, Storm Resistant, Open)	4.08 JMD 1-27-06 0	0	0	0

12. FIBER PROPERTIES:

Specify Method (HVI or other): HVT

* Length: (inches, 2.5% SL)	1.07	1.09	1.13	1.15
* Uniformity: (%)	83.~~8~~.8 JMD	85.7	83.6	85.7
* Strength, T1 (g/tex)	28.6 1-27-06	26.2	29.2	26.5
* Elongation, E1 (%)	5.4	5.5	4.1	5.9
* Micronaire:	5.0	4.9	4.8	4.6
Fineness (Source_____)				
Yarn Tenacity: (cN/tex, 27 tex)				
Yarn Strength: (lbs. 22's)	113	105.2	111.5	108.6

13. DISEASES: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant)

NT *Alternaria macrospora*
NT Anthracnose
NT Ascochyta Blight
NT Bacterial Blight (Race 1)
NT Bacterial Blight (Race 2)
NT Bacterial Blight (Race____)
R Fusarium Wilt
NT Phymatotrichum Root Rot
NT *Pythium* (specify species)
NT *Rhizoctonia solani*
NT Southwestern Cotton Rust
NT Thielayiopsis basicola

200600025

13. DISEASES : (continued)

NT Diplodia Boll Rot

MR Verticillium Wilt

_____Other (specify)_____

14. NEMATODES, INSECTS AND PESTS: (NT = Not Tested, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant R = Resistant)

NT Root-Knot Nematode

NT Reniform Nematode

_____Boll Weevil

_____Bollworm

_____Cotton Aphid

_____Cotton Fleahopper

_____Cotton Leafworm

_____Cutworm (specify species):_____

_____Fall Armyworm

_____Other (specify):_____

_____Grasshopper (specify species):_____

_____Lygus (specify species):_____

_____Pink Bollworm

_____Spider Mite (specify species):_____

_____Stink Bug (specify species):_____

_____Thrips (specify species):_____

_____Tobacco Bud Worm

15. COMMENTS: Present any additional information that cannot adequately be described in 1 through 13 which significantly distinguishes you variety.

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Exhibit D AAK 09 Mar 2006

2000 UNIVERSITY OF GEORGIA IRRIGATED
EARLY MATURITY VARIETY TRIAL MEANS AVERAGED
OVER ATHENS, MIDVILLE, PLAINS, AND TIFTON LOCATIONS

VARIETY	LINT -%-	LINT YIELD -LBS/AC-	UHM -IN-	UI -%-	STR -G/TEX-	MIC
PSC355	41.7	1122X	1.12	84.1	30.7	5.1
8839_3_10_2	41.3	1106X	1.13	84.0	28.3	5.1
8806_3_2_19	39.8	1021X	1.10	83.4	30.9	5.1
PSCGA161	38.1	983	1.15	84.2	31.7	4.8
~~SS9907 'LINWOOD'~~	~~41.1~~	~~979~~	~~1.07~~	~~83.4~~	~~31.2~~	~~5.7~~
SG501BR	39.7	968	1.06	83.6	30.3	5.1
SS9901	39.8	966	1.09	82.8	29.3	5.1
ST4691B	41.9	955	1.07	83.1	28.0	5.3
ST474	42.5	952	1.04	82.8	28.2	5.6
SG125BR	39.2	942	1.05	82.4	26.8	5.0
ST4793R	41.9	933	1.04	82.8	28.6	5.3
AP7115	40.9	930	1.08	83.1	27.6	4.8
ST4892BR	41.8	923	1.07	83.0	29.1	5.3
FM958	42.8	922	1.16	84.3	31.1	4.9
SG105	40.3	920	1.09	84.3	29.3	5.4
SG747	41.4	917	1.09	83.8	26.4	5.1
AP9257	40.9	916	1.09	83.5	28.8	5.0
PM1560BG	40.8	882	1.07	83.4	29.6	5.3
BXN47	42.4	872	1.08	83.4	28.5	5.2
GAVILAN	41.3	869	1.11	84.0	29.9	5.0
DP428B	37.4	855	1.10	83.9	26.1	5.0
DP436RR	37.0	849	1.10	83.8	27.0	5.0
CONDOR	40.8	837	1.07	82.3	29.0	5.5
AP1500RR	39.5	832	1.07	82.4	28.8	4.8
DP425RR	38.3	832	1.08	82.6	27.1	5.3
DP451BRR	36.2	829	1.11	83.8	27.2	5.0
PM1218BR	42.9	630	1.08	83.4	27.7	4.8
LSD0.10	1.5	118	0.03	0.8	0.9	0.3
CV (%)	---	12%	----	---	---	---
VARIETY X LOCATION PROBABILITY VALUE	<0.01	<0.01	NS	NS	NS	NS

SIGNIFICANT (p<0.01 OR 0.05) VARIETY X LOCATION INTERACTION FOR A TRAIT INDICATES THAT MEANS AVERAGED OVER LOCATIONS IN ABOVE TABLE MAY NOT INDICATE WITHIN LOCATION PERFORMANCE, THEREFORE USE ABOVE MEANS TO COMPARE VARIETAL PERFORMANCE WITH CAUTION

[x]TOP YIELDERS NOT SIGNIFICANTLY DIFFERENT FROM EACH OTHER

TRIALS CONDUCTED BY LARRY THOMPSON, GRANT HENDERSON, STAN JONES, BOB MCNEIL, AND LLOYD MAY

FIGURE 1

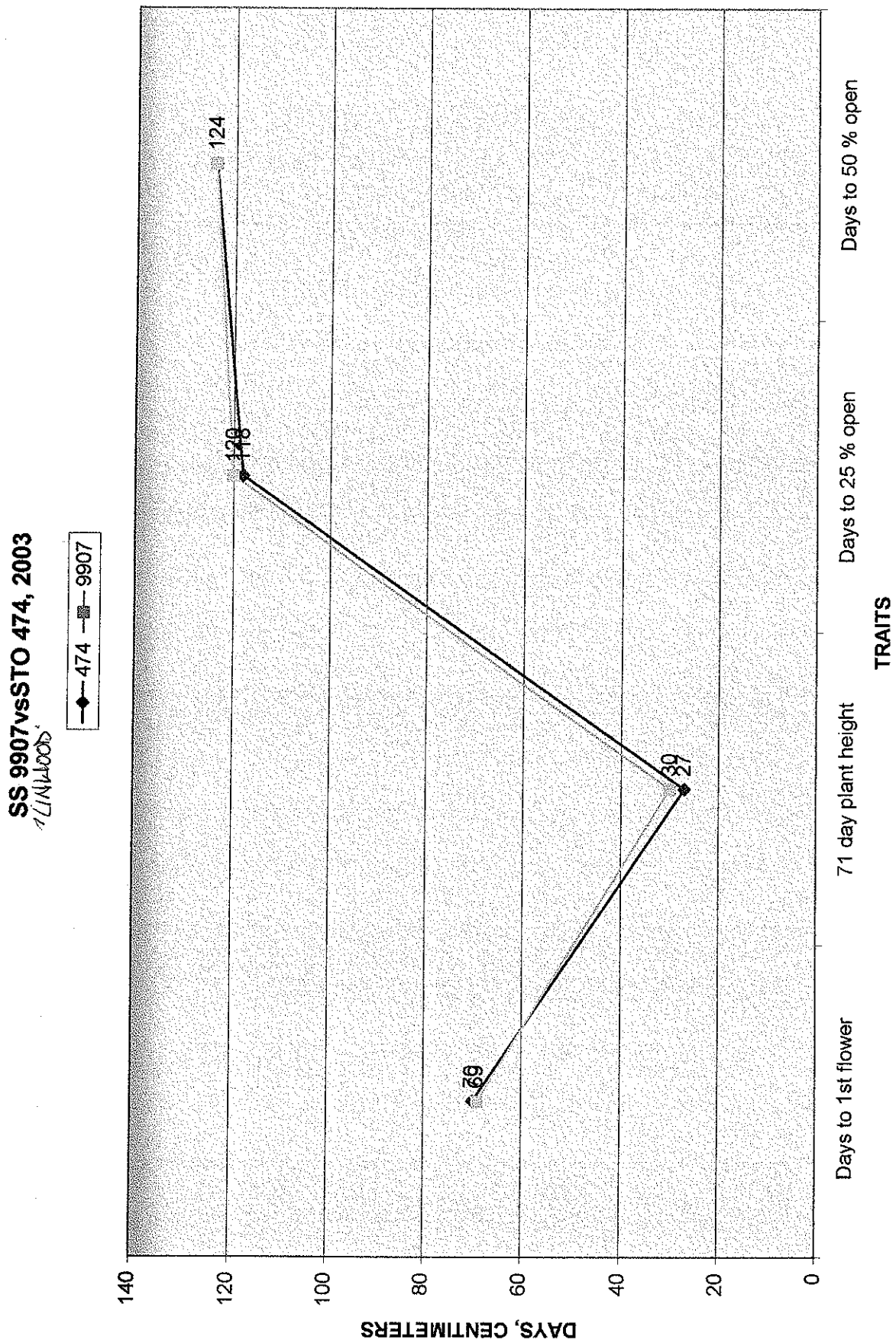

FIGURE 1

14

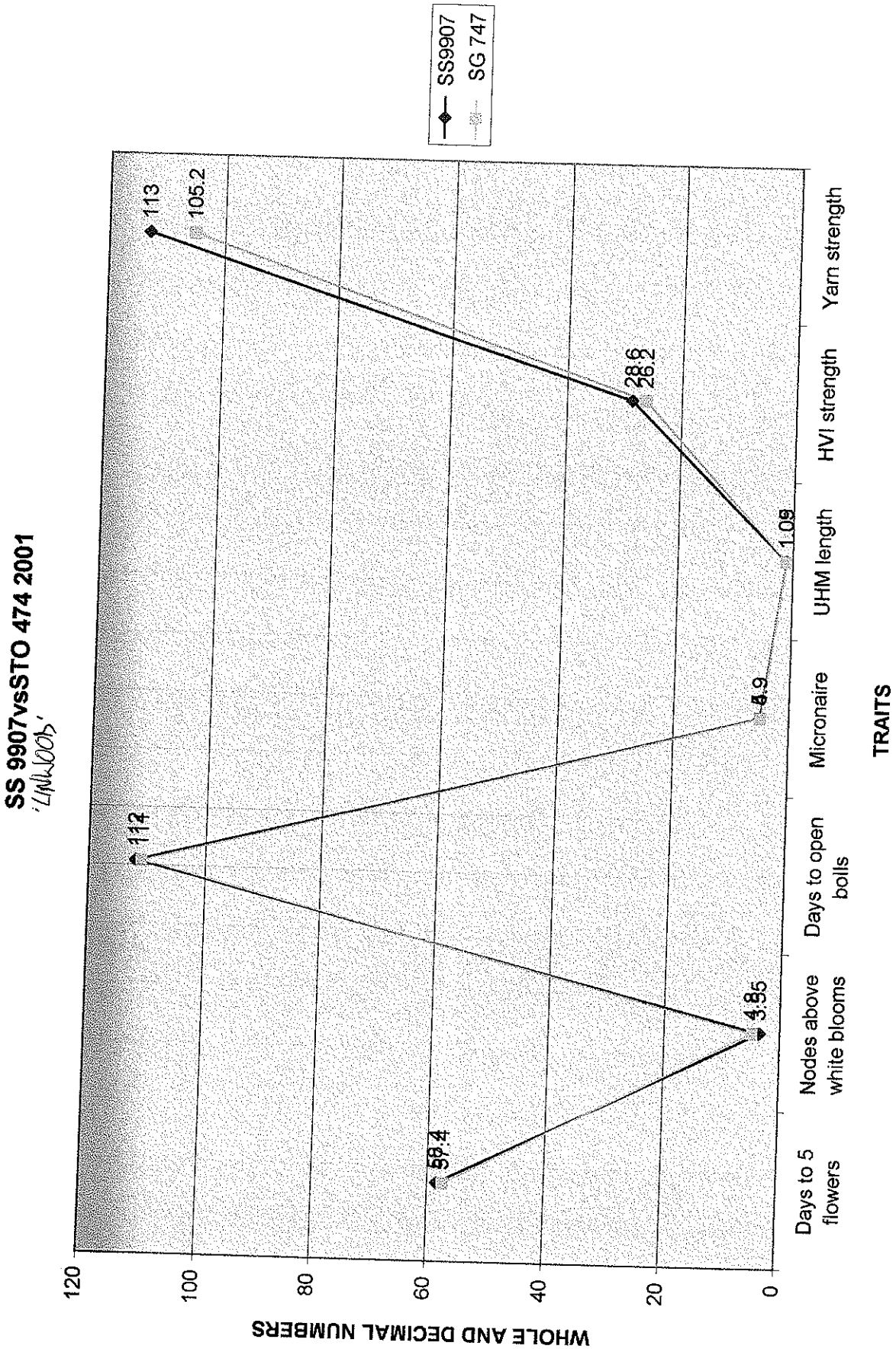
SS 9907vsSTO 474 2001
'LINWOOD'
SS9907
SG 747
WHOLE AND DECIMAL NUMBERS
0
20
40
60
80
100
120
TRAITS
Days to 5 flowers
Nodes above white blooms
Days to open bolls
Micronaire
UHM length
HVI strength
Yarn strength
113
105.2
28.6
26.2
1.09
4.9
112
4.8
3.95
58.4

FIGURE 2

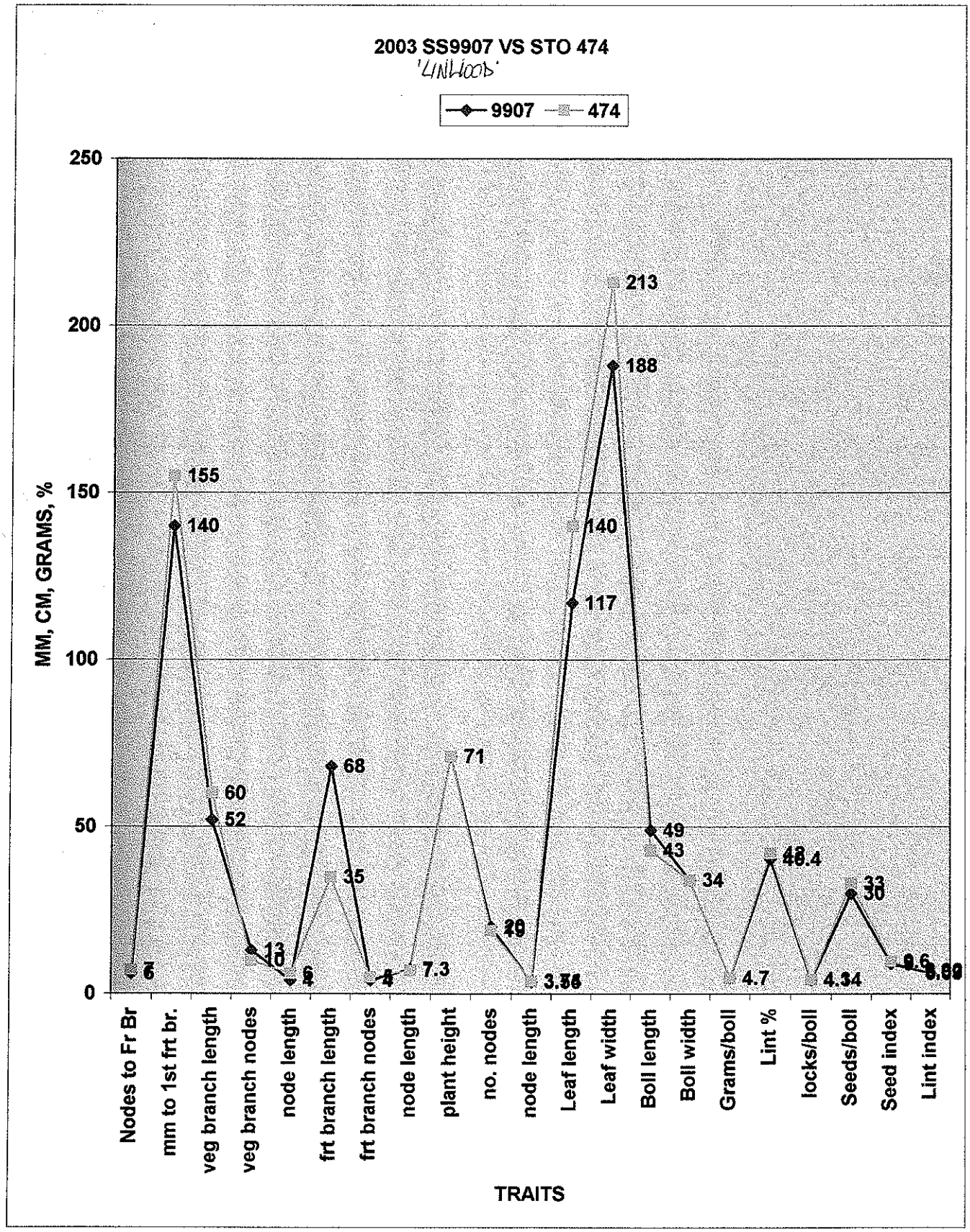
2003 SS9907 VS STO 474
'LINWOOD'
9907
474
MM, CM, GRAMS, %
250
200
150
100
50
0
Nodes to Fr Br
mm to 1st frt br.
veg branch length
veg branch nodes
node length
frt branch length
frt branch nodes
node length
plant height
no. nodes
node length
Leaf length
Leaf width
Boll length
Boll width
Grams/boll
Lint %
locks/boll
Seeds/boll
Seed index
Lint index
TRAITS

FIGURE 3

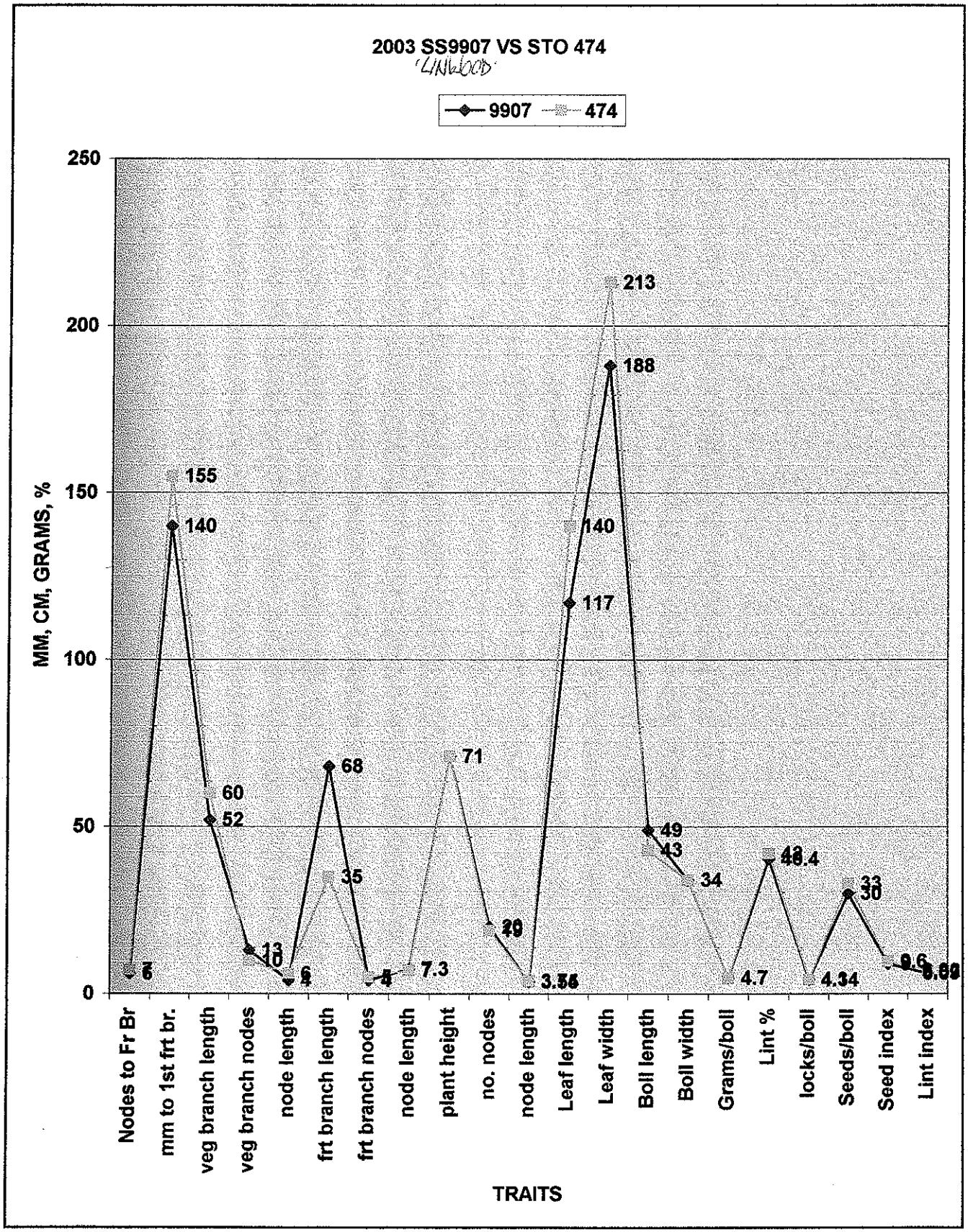
2003 SS9907 VS STO 474
'LINWOOD'
9907
474
MM, CM, GRAMS, %
250
200
150
100
50
0
Nodes to Fr Br
mm to 1st frt br.
veg branch length
veg branch nodes
node length
frt branch length
frt branch nodes
node length
plant height
no. nodes
node length
Leaf length
Leaf width
Boll length
Boll width
Grams/boll
Lint %
locks/boll
Seeds/boll
Seed index
Lint index
TRAITS

FIGURE 4

	2000 COLD SCREENING TEST				
I.D.	Warm	Mild CT	% of warm	Severe CT	% of warm
SS 3040	86	60	70	52	60.5
SS 9907 LINWOOD	84	52	62	42	50
SS 9901	94	72	77	44	46.8
301-40	80	48	60	36	45
X 021	88	48	55	38	43.2
X 022	80	48	60	32	40
LIGUR CT	88	40	45	32	36.4
CT 12	90	40	44	30	33.3
CT 11	84	38	45	28	33.3
CT 10	86	40	47	28	32.6
CHECKS					
SG 125	94	48	51	26	27.7
ST0 474	94	34	36	22	23.4
CONDOR	84	34	84	34	40
PSC 355	98	18	18	8	8.2
GAVILAN	80	10	13	2	2.5
HY 39	84	18	21	0	0
LIGUR	84	34	40	0	0

18

TURGID ROWS WITH OVERNIGHT LOW OF 50 F.				
ID	SOURCE	# PLOTS	# TURGID	WILTED
CT-11	DK	6	6	0
SS 9907 2/N Wood	1SM301	6	6	0
CT-11-2	1SM210	3	3	0
CT-5	OSM206	3	2	1
SS 9907-6	1SM-38	3	2	1
9501xHZX-1	1SM104	3	2	1
125x9303	1SM159	3	2	1
9501xHZX-2	1SM111	3	2	1
125x474	1SM272	3	2	1
9501xHZX-3	1SM450	3	2	1
CHECKS				
CONDOR		3	0	3
DPL 50		3	0	3
LIGUR		3	0	3
SS 747		3	0	3
STO 474		3	0	3

2003 PVP TRAITS

'LINWOOD'

2003 PVP TRAITS																
PLOT NUMBER	3001	3002	3004	3005	3006	3029	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040
ID=SS or name	CT-10	202	209	210	213	225	242	CT-12	9901	Linwood 9907	747	474	1218	555	5415	DP50
Days to 1st flower	69	68	69	70	70	72	68	67	69	69	67	70	67	70	70	68
71 day plant height	27	30	30	29	28	25	30	30	28	30	30	27	29	27	27	26
Boll length	49	48	46	49	46	47	50	51	44	49	50	43	48	45	47	46
Boll width	31	36	31	35	34	33	35	35	34	34	35	34	34	33	34	3.3
Boll index	63.3	65.3	75.5	72.6	73.9	70.5	68.9	68.1	77.1	70.9	69.8	79.3	70.3	72.6	72.1	72.4
Leaf width	181	216	214	216	228	192	208	200	182	188	228	213	198	208	210	199
Leaf length	130	125	142	144	152	129	138	133	127	117	132	140	137	141	136	131
Leaf index	71.8	58	66.4	66.7	66.4	67.2	66.4	66.6	69.7	62	58.8	65.8	70.3	67.8	65	65.6
Mature plant height CM	86	84	86	104	79	69	84	89	71	81	79	79	91	81	76	69
Days to 25 % open	117	119	119	121	121	120	118	118	121	120	118	118	123	122	121	119
Days to 50 % open	124	125	127	127	127	125	125	124	125	124	125	124	125	128	126	125

20060025

2003 PVP

	3002	3004	3005	3006	3029	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040
Trait	SS202	SS209	SS210	SS213	CT13	CT12-1	CT12	9901	'LINWOOD' 9907	747	474	1218	555	5415	DP50
Nodes to Fr Br	6	7	8	7	5	4	3	4	6	4	7	5	7	6	5
mm to 1st frt br.	65	160	150	130	120	75	115	80	140	90	155	100	150	120	110
veg branch lengtl	55	62	65	53	49	47	23	54	52	43	60	60	61	56	53
veg branch node	12	10	12	10	10	8	4	11	13	7	10	10	11	13	8
node length	4.6	6.2	5.4	5.3	4.9	5.9	5.8	4.9	4	6.1	6	6	5.5	4.3	6.6
frt branch length	55	35	38	37	21	18	19	28	68	31	35	39	27	35	22
frt branch nodes	4	5	6	4	4	4	3	4	4	4	5	5	4	5	5
node length	13.8	7	6.3	9.3	5.3	4.5	6.3	7	7.3	7.8	7	7.8	6.8	7	4.4
plant height	82	83	80	75	61	71	76	69	71	75	71	88	72	65	69
no. nodes	22	21	23	20	18	18	19	20	20	17	19	20	21	21	19
node length	3.72	3.95	3.48	3.6	3.39	3.94	4	3.45	3.55	4.41	3.74	4.4	3.43	3.1	3.63
Leaf length	125	142	144	152	129	138	133	127	117	132	140	137	141	136	131
Leaf width	216	214	216	228	192	208	200	182	188	228	213	198	208	210	199
Boll length	48	46	49	46	47	50	51	44	49	50	43	48	45	47	46
Boll width	31	35	35	34	33	35	35	34	34	34	34	34	33	34	33
Grams/boll	4.8	4.4	4.5	4.1	4.7	4.9	6.2	5.3	4.7	4.3	4.7	6.2	4.3	4.7	5.2
Lint %	41.1	43.2	40.8	45.7	41.5	42.5	41	39.8	40.4	38.8	42	40.1	47	40.8	36
locks/boll	4.16	4.1	4.15	4.14	4.66	4.36	4.65	4.27	4.14	4.18	4.3	4.1	4.16	4.27	4.42
Seeds/boll							36.4	35.1	30	34.6	33			34	33.6
Seed index							9.5	9	9	9.6	9.6			8.8	9.9
Lint index							6.5	5.96	6.09	6.01	6.92			5.99	5.51

20060002 5

20600025

2001 Fusarium Wilt Test, Plant Breeding Unit, EVSRC, Tallassee, AL

Entry	Cultivar/Line	Percent wilt per replicate Rep1	Rep2	Rep3	Rep4	Avg.
John Green, Seed Source, Inc., P.O. Box 28, Stoneville, MS 38776						
901	SSI-1 559907 'LINWOOD'	3	19	13	3	10
902	SSI-2 CT-12	25	4	24	91	36
903	SSI-3 X021	0	18	0	35	13
904	SSI-4 CT-10	14	40	17	13	21
905	SSI-5 CT-11	44	7	27	30	27
906	SSI-6 CT-5	74	2	50	6	33
907	SSI-7 559901	46	0	56	0	25
908	SSI-8 R-1002	7	15	0	10	8
	Rowden	76	35	45	20	44
	M-315	6	5	3	10	6
Richard Sheetz, Delta and Pine Land Co., RR 2, Box 60, Hale Center, TX 79041						
1001	RS-1	11	0	7	6	6
1002	RS-2	4	7	24	14	12
1003	RS-3	6	19	8	7	10
1004	RS-4	1	4	7	6	5
1005	RS-5	3	4	6	3	4
1006	RS-6	1	7	14	6	7
1007	RS-7	54	17	20	14	26
1008	RS-8	1	5	11	1	4
	Rowden	75	91	48	47	66
	M-315	2	12	1	1	4
Ted Wallace, Mississippi State University, P.O. Box 9555, Starkville, MS 39762						
1101	TPW1	13	12	0	0	6
1102	TPW2	9	3	21	14	12
1103	TPW3	26	11	10	13	15
1104	TPW4	8	11	0	0	5
1105	TPW5	14	21	0	20	14
1106	TPW6	31	5	0	33	17
1107	TPW7	14	14	6	27	15
1108	TPW8	24	9	24	30	22
	Rowden	97	36	64	38	59
	M-315	1	4	8	8	5
O. Lloyd May, University of Georgia, P.O. Box 748, Tifton, GA 31793-0748						
1201	GA96-54	4	0	8	5	4
1202	GA96-199	9	16	43	38	27
1203	GA96-211	2	11	32	6	13
1204	GA97-5	24	24	16	4	17
1205	GA97-8	38	0	7	26	18
1206	GA97-14	14	12	27	30	21
1207	GA97-23	0	0	26	13	10
1208	GA98084	16	10	14	13	13
	Rowden	62	33	51	97	61
	M-315	0	4	0	13	4

continued

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			IST INTERNODE LENGTH IN MM												
PLOT NO.	3002	3004	3005	3006	3029	3031	3032	3033	3034	3035	3036	3037	3038	3039	3040
ID=SS	202	209	210	213	225	242	CT12	9901	(unknown) 9907	747	474	1218	555	5415	DP50
FRT BRANCH															
1	85	95	80	80	50	35	40	25	65	55	80	85	75	80	50
2	120	90	90	100	90	55	70	20	100	60	85	75	105	110	80
3	135	105	135	120	110	80	95	35	120	90	95	105	130	90	110
4	170	75	140	160	120	145	125	85	120	120	130	135	135	130	140
5	195	155	60	150	160	140	160	95	110	165	165	145	120	160	150
	705	520	505	610	530	455	490	260	515	490	555	545	565	570	530
MEAN	141	104	101	122	106	91	98	52	103	98	111	109	113	114	106
6	85	140	55	145	115	175	210	150	155	170	160	160	165	160	70
7	170	150	85	150	135	180	190	145	150	195	130	160	165	145	190
8	115	105	25	85	20	195	195	110	100	190	85	200	150	65	30
9	5	40	50	50	25	155	160	135	30	155	40	140	100	40	105
10	50	30	45	50	20	105	100	130	20	90	25	85	65	35	70
	425	465	260	480	315	810	855	670	455	800	440	745	645	445	465
MEAN	85	93	52	96	61	162	171	134	91	160	88	149	129	109	93
11	15	30	45	45	30	55	40	60	15	50	20	50	40	45	65
12	25	10	10	25	40	40	40	15	10	45	10	50	55	30	55
13	25	20	15	20	10	45	30	10	10	30	5	50	45	25	45
14	15	10				15	20	10	10	25		20	40	10	20
15	15	15				5		5		10		20	40		10
	95	85	70	90	80	160	130	100	45	160	35	190	220	110	195
MEAN	19	17	23	30	27	32	33	20	11	32	12	38	44	28	39

2006002 5

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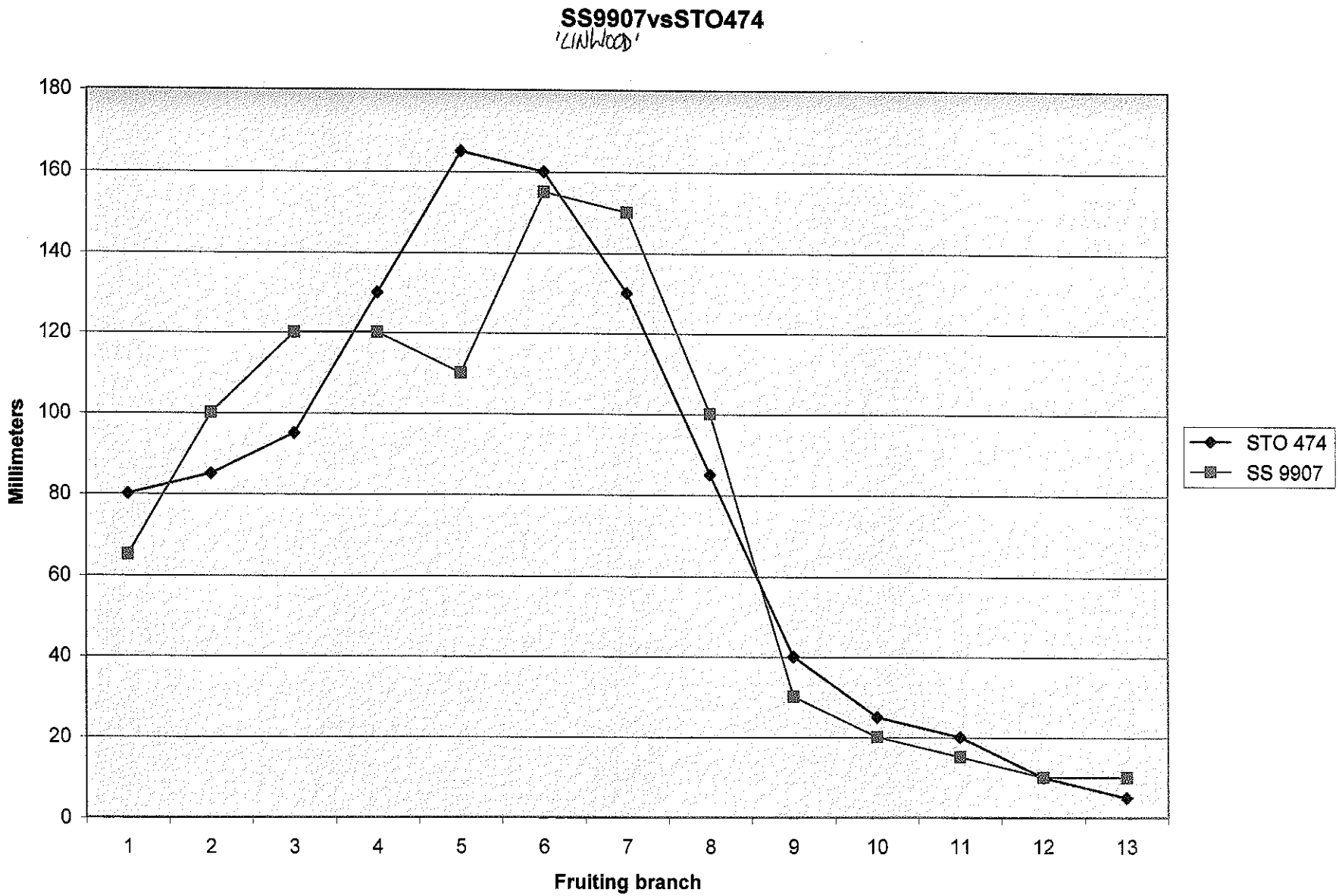
SS9907vsSTO474
'LINWOOD'
Millimeters
180
160
140
120
100
80
60
40
20
0
1
2
3
4
5
6
7
8
9
10
11
12
13
Fruiting branch
STO 474
SS 9907

20060025

2001 SPINNING TEST

	Entry	Mike	E 1	T 1	50% S.L.	2.5% S.L.	YS
SP	SS 9815	4.3	6.5	23.2	0.55	1.11	122.9
	CT-1	4.9	7.5	21.7	0.56	1.12	121.4
?	CT-11	4.3	7	20.8	0.56	1.13	115.7
SP	SS 9901	4.5	7.8	22.6	0.59	1.14	115.4
	CT12-112(L)	4.8	8.5	18.8	0.63	1.22	114.4
	CT12-112(E)	5.3	8	20.1	0.6	1.17	114
	SS 9907 LINWOOD	4.9	7	22.8	0.58	1.07	113
	CT-10	4.7	7	21.2	0.59	1.14	112.5
	DPL 50	5.2	9	18.6	0.59	1.1	112.2
	X0001	4.9	7.8	20.2	0.62	1.12	111.7
SP	X3040	4.6	7	22	0.6	1.11	111.7
	DPL 5415	4.7	5.5	20.6	0.57	1.09	111.7
	STO.474	4.8	8	21.6	0.57	1.13	111.5
	R1002-5	4.6	8.3	19.7	0.63	1.16	111.5
	CT12-113	4.8	7.5	19.9	0.6	1.16	109.8
SP	R-1002	4.4	7.5	20.2	0.67	1.23	109.1
	CT-12	5	7.5	20.1	0.6	1.13	108.6
	X020	4.8	6.5	20.9	0.56	1.07	106.2
	SG 747	4.2	7	20.2	0.61	1.18	105.2
SP	M-18	4.7	6.3	21.5	0.55	1.11	99.6

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME PER EMAIL 4/19/06
SEED SOURCE INC.	SS 9907	'LINWOOD'
4. ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP, and Country)*	5. TELEPHONE *(include area code)*	6. FAX *(include area code)*
4578 OLD LELAND RD STONEVILLE, MS 38776	662-686-7855	662-686-7855
	7. PVPO NUMBER 200600025	

8. Does the applicant own all rights to the variety? *Mark an "X" in appropriate block.* If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? ☒ YES ☐ NO
If no, give name of country

10. Is the applicant the original owner? ☒ YES ☐ NO *If no, please answer one of the following:*

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES ☐ NO If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

☒ YES ☐ NO If no, give name of country

11. Additional explanation on ownership *(if needed, use reverse for extra space)*:

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.

2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.

3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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