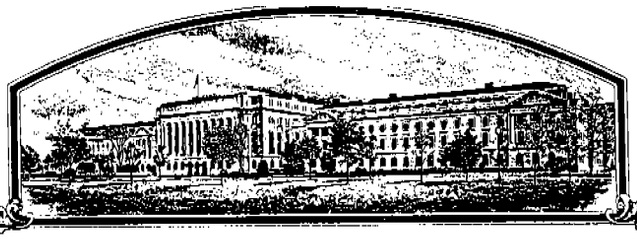

No. 7100027

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rilcot Seed Company, Division of Riley-Yieldmaster Seed Corporation

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED 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 LIE 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 seventeen 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 RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPOKTINC IT, OK EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OK DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFOKM TO THE NUMBER OF GENERATIONS REQUIRED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Stripper N'

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 this fifth day of April in the year of our Lord one thousand nine hundred and seventy-six

Attest:

S. L. Rollin
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl L. Butz
Secretary of Agriculture

FORM G-R-470
(12-15-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE. MARYLAND 20782

FORM APPROVED
OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See *Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION	2. KIND NAME	FOR OFFICIAL USE ONLY	
STRIPPER N	Cotton	PV NUMBER 7127	
3. GENUS AND SPECIES NAME	4. FAMILY NAME *(Botanical)*	FILING DATE 2-19-71	TIME 12:30 P.M.
Gossypium hirsutum	Malvaceae	FEE RECEIVED $ 250	BALANCE DUE $ 0.00
	5. DATE OF DETERMINATION	$ 250	$
	March 1, 1970	$ 250	$

6. NAME OF APPLICANT(S)	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*	8. TELEPHONE AREA CODE AND NUMBER
Rilcot Seed Co., Division of Riley Yieldmaster Seed Corporation	Rt. 2 Box 96 Hart, Texas 79043	806/846-2435

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION
Corporation	Texas	April 6, 1960

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Ray Joe Riley
Rt. 2, Box 96
Hart, Texas 79043

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant variety Protection Act.)*
- [X] 13B. Exhibit B, Botanical Description of the Variety
- 13C Exhibit C, Objective Description of the Variety
- [X] 13D. Exhibit D, Data Indicative of Novelty
- [X] 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [ ] [X] YES

14B. Does the applicant(s) specify that this variety be limited as to number of generations? [ ] YES [X] NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed? [X] FOUNDATION [X] REGISTERED [X] CERTIFIED

The applicant declares that a viable sample of basic seed of this variery will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act,

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

11-27-1973
(DATE)

(SIGNATURE OF APPLICANT)

(DATE)

(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.

13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.

13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.

13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.

13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.

13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

[redacted]

ATTACHMENT TO FORM CA - 470
(12-15-72)

12 A. Exhibit A, Origin and Breeding History of the Variety

The line of cotton designated and tested successively as Pilot N-4; Stripper-cala 2; and N-4 resulted from selections made from a variable population of CA-398, a stormproof breeding stock obtained under a memorandum of agreement of cooperation and exchange of material with the Texas Agricultural Experiment Station at Lubbock, Texas, and Pilot Seed Co.

The original selections were made for stormproofness, earliness and yield. Further fiber refinement was made on the basis of a staple length of approximately 1 inch and a 2.5% Span length reading of .99 to 1.04; micronaire of 4.0 and 90,000 PSI fiber strength.

The original selections were made in 1962 and subsequently planted in a plant to row block for identification, observation and further selection or discardation in the case of off-types.

Off-types of mostly open boll types and tall plants were removed from the individual plant rows.

Progeny of the plant rows of near identical type were massed and bulked after yield and fiber testing to verify uniformity in other than visible characteristics.

As previously stated, variants during reproduction and multiplication were loose and stringy/lint (open type) lint bolls and plant types 4 to 6 inches taller than the mean of the population. In the early stages of selection the frequency of the off-type plants was at a rate of an average of 1 off-type to 2000 from the total population. The variety is now stable and only an occasional offtype occurs at a frequency of less than 1 plant to 2,000 population on a strict evaluation.

12 B. Exhibit B, Botanical Description of the Variety

The seed of Stripper N is of the glanded type with short linters after ac ginning. The plants in the emergence, cotyledon, seedling and early stages of growth are more vigorous than the Pilot 90 variety. Stripper N is a prolific fruiter and sets a high percentage of the early flowers that bloom rendering the variety to be relatively early. The variety Stripper N is characterized by being early, about one to five days later than Pilot 90, a very early variety.

The mature plant is relatively short, being about 3 to 6 inches shorter than Pilot 90 grown under similar conditions.

The fruit is a run type, medium small boll born on short stem containing both four and five locules per boll with a predominence of five locule bolls under most conditions. Carpels curve inward to form a stormproof, tight boll type. The bolls are larger than those of Pilot 90. The boll size being in the range of 5.0 to 6.0 grams of seed cotton per boll. The seed index is in the range 10.0 to 13.0 grams per 100 seed. The lint index is greater than Pilot 90, being 5.5 to 6.25 for Stripper N compared with 5.4 to 6.0 for Pilot 90.

The flowers are complete, moderately large and arewhite to creamy colored on opening.

The root is a deep, vigorous taproot with laterals.

The stem is a main central stem with short vegetative and fruiting branches or laterals. Deep or darkish red to maroon colored stems and petioles are typical when in a mature or nonvegetatively growing portion of the plant. Vegetative and active growing terminal parts a green color.

The leaves are medium to medium large, three lobed, moderately smooth and are glossy on the upper portion.

The plant is short to medium height and compact.

12 C. Objective description of the variety enclosed

13 D. Exhibit D, Data Indicative of Novelty

Novelty is based on the unique combination of the following characters:

Stripper N has extremely compact stormproof bolls of the Macha parent that very few other varieties possess. Those varieties having this stormproof type boll to the degree of Stripper N either have (1) shorter fibers or weaker fibers or both; (2) or they are later maturing or taller or both; (3) or they have other combinations of shorter fibers, weaker fibers, later maturing plants or taller plants, or all of the above differences.

13 E. Statement of the Basis of Applicant's Ownership

The owner and applicant, Wilcox Seed Co., Division of Riley Fieldmaster Seed Corporation is the employer of the breeder, Ray Joe Riley, licensed Texas Registered Plant Breeder, and believes it is the sole, original and first breeder of Stripper N variety of cotton for which it solicits a certificate of protection.

Ray Joe Riley

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-6 (10-2-72)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C (Cotton)

OBJECTIVE DESCRIPTION OF VARIETY

COTTON (*GOSSYPIUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S): Rilcot Seed Co., Division of Riley Yieldmaster Seed Corporation

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*): Rt. 2, Box 96, Hart, Texas 79043

FOR OFFICIAL USE ONLY

PVPO NUMBER: 7127

VARIETY NAME OR TEMPORARY DESIGNATION: Stripper N

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less or 9 or less.

1. SPECIES:

[1] 1 = GOSSYPIUM HIRSUTUM 2 = GOSSYPIUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted):

[0] EASTERN [0] DELTA [2] CENTRAL [2] HIGH PLAINS [0] EL PASO AREA

[0] WESTERN LOW HOT VALLEYS [0] SAN JOAQUIN [0] OTHER (*Specify*) _____

3. MATURITY (50% Open Boll):

[0][4] NO. OF DAYS *EARLIER* THAN ..... [7]

[0][5] NO. OF DAYS *LATER* THAN ..... [8]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (*Specify*) Rilcot 90

4. PLANT HABIT:

[3] 1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT

[1] 1 = FOLIAGE SPARSE 2 = DENSE 3 = OTHER (*Specify*) _____

5. PLANT HEIGHT:

[0][5] CM. *SHORTER* THAN ..... [4]

[0][0] CM. *TALLER* THAN ..... [9]

1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (*Specify*) _____

6. MAIN STEM:

[3] 1 = LAX 2 = ASCENDING 3 = ERECT

[12] CM. TO FIRST FRUITING BRANCH

[0][6] NO. OF NODES TO FIRST FRUITING BRANC (*from cotyledonary node*)

7. LEAF:

[0][9] CM. WIDTH OF WIDEST LEAVES AT MATURITY

8. LEAF PUBESCENSE:

[53] 1 = GLABROUS (HAIRS AS SPARSE AS D_2 SMOOTH) 2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213) 4 = HEAVY PUBESCENCE (H_1 OR H_2) 5 = OTHER (*Specify*) Blightmaster A-5 (Smooth Leaf)

1/4/74

9. LEAF COLOR:

[3] 1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (*Acala-442*) 4 = RED 5 = OTHER (*Specify*) _____

10. LEAF TYPE:

[1] 1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (*Specify*) _____

11. FLOWER:

[2] 1 = NECTARILESS 2 = NECTARIED

[1] Petals: 1 = CREAM 2 = YELLOW

[1] Pollen: 1 = CREAM 2 = YELLOW

12. FRUITING BRANCH TYPE:

[2] 1 = CLUSTER 2 = SHORT 3 = NORMAL

[1] 1 = DETERMINATE 2 = INDETERMINATE

13. GOSSYPOL CONDITION:

[3] 1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS 4 = OTHER (*Specify*) _____

[1] 1 = NORMAL BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL

14. SEEDS:

[1][1].[2] ± [.0][9] SEED INDEX (*Fuzzy seed basis*)

[1] Seed Fuzz: 1 = SPARSE (GREGG 35) 2 = MODERATE (DPL-16) 3 = HEAVY (ACALA SJ-1) 4 = OTHER (*Specify*)

5

EXHIBIT D

Data Indicative of Novelty

Novelty is based on the unique combination of the following characters:

'Stripper H' most closely resembles 'Hilcot 90' but is more vigorous from germination through early growth stages, 4-5 days later in maturity, an average of 3-6 inches shorter than Hilcot 90 under most conditions, has larger boll than Hilcot 90 (0.5 grams larger bolls than Hilcot 90) (5.0-6.0 versus 4.5-5.5 grams seed cotton/boll), 1.0-3.0 grams higher seed index than Hilcot 90 (10.0-13.0 versus 9.0-10.0 grams/100 seed), 0.0 - 0.25 greater lint index than Hilcot 90 (6.5-6.25 versus 5.4 - 6.0), an average of 0.5 lower micronaire than Hilcot 90 (3.5-4.0 versus 4.0-4.5), 0.5 longer 2.5% span length fiber than Hilcot 90 (1.01 versus 0.96) and 'Stripper H' has slightly more erect or semi-erect bolls than 'Hilcot 90', and slightly less leaf pubescence than 'Hilcot 90'.

FORM GR-470-8 (REVERSE)

15. BOLLS:

[2] Locules: 1 = 3-4, 2 = 4-5

[36] NO. SEEDS PER BOLL

[35.1] LINT PERCENT

[36] MM. DIAMETER

[2] Pitted: 1 = NONE, 2 = FINELY, 3 = COURSELY

[5.54] GRAMS SEED COTTON PER BOLL

[2] Breadth: 1 = BROADER AT BASE, 2 = BROADER AT MIDDLE

[1] Type: 1 = STORMPROOF (WESTBURN 70), 2 = STORM RESISTANT (LANKART 57), 3 = OPEN (DELTAPINE 16)

[2] Shape: 1 = LENGTH < WIDTH, 2 = LENGTH = WIDTH, 3 = LENGTH > WIDTH

16. BRACTEOLES:

[3] Breadth: 1 = LENGTH < WIDTH, 2 = LENGTH = WIDTH, 3 = LENGTH > WIDTH

[2] Teeth: 1 = FINE, 2 = COURSE

[3] Teeth: 1 = 3-4, 2 = 5-7, 3 = 8-10, 4 = OTHER (*Specify*) _____

17. YIELD: Compared to—

[ ] PERCENT *LESS* THAN None .....

[111] PERCENT *MORE* THAN .....

[ ] [4] 1 = COKER 310, 2 = DELTAPINE 16, 3 = STONEVILLE 213, 4 = PAYMASTER 111, 5 = ACALA 1517-70, 6 = ACALA SJ-1, 7 = LANKART 57

18. FIBER LENGTH (Complete one or more of the following and give the means):

[.44] SPAN LENGTH 50%

[.101] SPAN LENGTH 2.5%

[ ] U.H.M. LENGTH Not available

[ ] MEAN LENGTH N/A

[32] STAPLE LENGTH 32nd INCHES

[ ] UNIFORMITY RATIO (MEAN/U.H.M.) N/A

[44] UNIFORMITY INDEX (50% SPAN/2.5% SPAN)

19. FIBER STRENGTH AND ELONGATION:

[86.8] 1,000 P.S.I.

[.075] ELONGATION E_1

[380] STILOMETER T_0

[400] MICRONAIRE READING

[119] YARN STRENGTH (*Give test method*) 22's Grams per Tex

[200] STILOMETER T_1

20. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[1] VERTICILLIUM WILT	[0] FUSARIUM WILT	[0] ROOT KNOT NEMATODE	[2] BACTERIAL BLIGHT (*Race 1*)
[2] BACTERIAL BLIGHT (*Race 2*)	[0] ASCOCHYTA BLIGHT	[0] PHYMATOTRICHUM ROOT ROT	[0] RHIZOCTONIA
[0] ANTHRACNOSE	[0] RUST	[ ] OTHER (*Specify*) _____	

21. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

[0] BOLL WEEVIL	[0] APHID	[0] FLEAHOPPER	[0] LEAFWORM
[0] FALL ARMYWORM	[0] GRASSHOPPER	[0] LYGUS	[0] PINK BOLLWORM
[0] STINKBUG	[0] THRIP	[0] CUTWORM	[0] SPIDERMITE
[ ] OTHER (*Specify*) _____			

REFERENCES: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(1) Brown, Harry B., and J. O. Ware, 1958, Cotton, McGraw-Hill Book Company, Inc., New York.

(2) Lewis, C. F., and H. H. Ramey, Jr., 1971, 1970 Regional Cotton Variety Tests, ARS 34-130, United States Department of Agriculture.

COLORS: Nickerson's or any recognized color fan may be used to determine flower color of the described variety.

#7127

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
CROPS RESEARCH DIVISION
BELTSVILLE, MARYLAND 20705

Cotton and Cordage Fibers
Research Branch

November 27, 1968

To: Cooperators of Regional Cotton Variety Tests

From: C. F. Lewis and T. Kerr C.F.L. T.K.

Subject: Partial Summary of 1967 Data

Results of the 1967 regional cotton variety tests will be published in an ARS 34 series bulletin as usual. We are experiencing some delay. New computers have been installed which required complete programming of the process. In the meantime we hope this partial summary will be useful to cooperators.

The tables are regional means, combining all stations within a region, for yield, 2.5% span length, micronaire values, T1 and 22's yarn strength.

Enclosure

#7127

Variety	Yield lb. lint per acre	Span length 2.5 pct.	Micronaire	T_1	22's
		SAN JOAQUIN			
Acala SJ-1	908 a	1.17	4.16	23.1	149
Acala 4-42	887 ab	1.15	4.01	22.4	148
Coker 201	850 abc	1.12	4.04	18.8	123
Stoneville 7A	841 abc	1.13	3.93	17.8	116
Hopicala	798 bc	1.13	3.92	23.5	156
Acala 1517D	769 cd	1.23	3.90	24.1	169
Acala 1517V	759 cd	1.23	3.72	23.9	165
Deltapine 5540	670 de	1.15	3.56	20.5	138
Paymaster 54B	634 e	.96	3.96	18.4	114
		HIGH QUALITY			
Coker 201	906 a	1.13	4.30	18.2	123
Deltapine 523	899 ab	1.10	4.18	20.2	138
Mo. 61-470	894 ab	1.15	4.28	19.2	125
Deltapine 16	891 ab	1.15	4.22	18.9	123
Atlas 66	870 abc	1.09	4.43	21.6	133
Stoneville 612-3234	863 abcd	1.09	4.25	19.5	125
Coker 504	861 abcd	1.17	3.96	19.2	131
Mo. 63-277	851 abcd	1.22	3.78	19.8	136
TH 149-20	834 abcde	1.15	4.15	20.0	134
PD 4381	817 abcdef	1.15	3.85	19.8	138
Ga. 17456	810 abcdef	1.11	4.44	22.1	144
Deltapine 607	799 abcdefg	1.13	4.13	20.0	136
Stoneville 213	792 bcdefg	1.12	4.38	18.3	118
Deltapine 5826	761 cdefg	1.12	4.19	19.6	136
Stoneville 508-9083	754 defg	1.17	3.67	19.3	132
TH 149-8	754 defg	1.12	4.33	21.3	141
PD 0259A	729 efg	1.14	4.19	20.9	140
PD 2165A	712 fg	1.16	4.41	22.1	143
Coker 413	698 g	1.18	3.89	19.9	139
		PLAINS QUALITY			
CA 788-64-15	612 a	1.08	3.88	20.4	127
CA 563	606 ab	1.09	3.74	19.0	123
Lockett 310	606 ab	1.09	3.88	18.2	119
Deltapine S.L.	593 abc	1.11	3.75	17.5	118
Stripper 61-28	584 abc	1.04	4.24	18.8	126
Rilcot N-R	578 abc	1.05	3.66	18.2	117
Lankart 57	576 abc	1.03	4.08	15.4	98
TPSA 110	573 abc	1.12	4.21	17.7	117
Lockett 4789	565 abc	1.08	3.93	17.4	114
Paymaster 111	565 abc	1.09	4.10	18.8	125
Gregg 35	562 abc	.99	3.86	19.4	124
Lankart 38-40	552 abc	1.13	3.91	18.4	121
Dunn 56C	548 abc	1.12	3.86	19.8	128
Acala 1517 BR-2	543 bc	1.20	3.67	21.6	146
Paymaster 59-M-116	540 c	1.09	4.03	19.0	124

#7122

TABLE 4.
Yield, Lint Percent, and Staple Length for the Cotton Variety Test at Tulia, 1967.

Variety	Yield, pounds lint per acre	Lint %	Staple
Coker 201	643 a1/	25.1	34
Rilcot 90	626 ab	24.0	30
Gregg 45	622 abc	25.8	29
Stripper Cala N	611 abcd	24.8	33
G.S.A.254	607 abcde	22.0	37
CA788-64-15	600 abcdef	23.8	36
Stripper 31	592 abcdefg	23.4	30
CA563	687 abcdefgh	23.3	34
Paymaster 101A	586 abcdefghi	23.8	32
Blightmaster A5	584 abcdefghij	24.5	32
Lockett 4789A	584 abcdefghij	24.6	34
Stoneville 7A	583 abcdefghij	20.8	36
Hopicala	580 abcdefghijk	23.7	38
Paymaster 909	550 bcdefghijkl	23.2	34
Acala 1517BR-2	550 bcdefghijkl	20.2	40
Deltapine Smoothleaf	548 bcdefghijkl	20.6	34
Stripper Cala S	544 bcdefghijkl	24.2	34
T.P.S.A. 110	539 bcdefghijkl	22.7	33
Lockett 4789	536 cdefghijklm	22.6	33
Lambright X-15-3	534 defghijklm	22.6	36
Rex Smoothleaf	530 defghijklm	22.2	35
Lankart 57	527 defghijklm	24.1	31
Gregg 35	521 efghijklmn	22.2	30
Hy-Bee 300	518 fghijklmn	23.6	33
Paymaster 54B	518 fghijklmn	21.4	32
Lankart LX	505 ghijklmn	22.9	34
Western Stormproof	503 hijklmn	23.8	32
Auburn M	502 hijklmn	22.3	34
Lambright 123	501 hijklmn	22.8	32
Acala 1517D	499 hijklmn	20.2	38
Stripper 61-28	498 ijklmno	23.2	32
Paymaster 59-M-116	497 jklmno	21.4	34
Lankart 611	494 klmno	23.4	33
Lankart 38-40	482 lmno	21.3	36
Dunn 56C	479 lmno	21.2	36
Paymaster 202	478 lmno	22.2	30

(Continued)

TABLE 6. Mean Performance of Varieties at Lubbock, Tulia, and Welch, 1967.

Variety	Yield, Pounds Lint Per Acre 1/	Lint Percent 1/ Stripped	Lint Percent 1/ Picked	Boll Size	Seed Index	Lint Index	Fiber Length 1/ 2.5% Span	Fiber Length 1/ 50% Span	Fiber Length 1/ Unif.	Fiber Strength PSI (x1000) 1/	1/ Micro naire
Gregg 45 2/	708	26.3	39.1	6.22	10.2	6.64	1.00	.46	46	85.5	4.64
G.S.A. 254	689	22.6	34.3	6.63	13.6	6.99	1.17	.54	46	93.0	4.13
Rilcot 90 2/	688	23.9	34.8	4.98	10.2	5.42	.98	.46	48	84.2	4.79
Coker 201	683	24.0	37.3	5.51	11.2	6.67	1.13	.52	46	79.4	4.50
Blightmaster A5	675	23.6	35.3	5.71	10.7	6.01	1.03	.48	47	75.0	4.63
Paymaster 101A	673	24.1	34.5	5.90	11.0	5.81	1.01	.47	47	79.0	4.16
Stripper 31 2/	672	23.2	33.9	5.10	10.6	5.33	1.02	.47	46	77.5	5.24
Stripper Cala N 2/	664	24.0	34.8	5.42	10.4	5.52	1.05	.48	46	85.8	4.24
Gregg 35	661	22.3	33.1	5.55	11.7	5.80	1.01	.47	47	87.0	4.18
Stripper Cala S	660	24.2	34.1	5.82	11.3	5.88	1.10	.49	45	84.4	4.00
CA788-64-15	651	23.2	36.6	6.28	10.9	6.29	1.12	.50	45	89.8	4.34
Lambright X-15-3	644	21.7	32.0	7.27	14.0	6.59	1.18	.54	45	80.8	3.65
Paymaster 59-M-116	638	21.5	33.8	7.77	13.5	6.93	1.09	.51	47	82.0	4.49
Lockett 4789	632	22.9	34.1	6.06	11.8	6.12	1.13	.53	47	80.0	4.16
Lockett 4789A	625	23.4	35.2	5.86	11.8	6.40	1.09	.50	45	78.6	4.16
Rex Smoothleaf	624	21.6	35.5	6.80	13.7	7.52	1.09	.50	46	79.1	4.52
CA563	618	22.7	33.9	5.89	11.5	5.91	1.11	.51	46	88.3	3.98
Stripper 61-28	616	23.5	34.4	6.32	13.1	6.89	1.08	.50	47	82.4	4.89
Stoneville 7A	614	21.3	35.0	5.40	11.5	6.16	1.12	.51	45	82.4	4.50
Deltapine Smoothleaf	608	22.3	34.5	4.81	10.2	5.41	1.14	.52	45	75.3	4.06
Lankart 57	608	23.7	36.6	7.50	14.1	8.12	1.05	.49	47	68.1	4.65
Dunn 56	608	21.7	34.6	6.71	13.6	7.25	1.13	.53	46	83.1	4.40
Paymaster 111	606	21.9	34.6	7.45	12.9	6.86	1.07	.49	46	83.2	4.71
Hy-Bee 300	591	23.2	34.8	6.67	11.8	6.29	1.05	.49	47	80.6	4.25

(Continued)

#7127

Table 10. Results of the Irrigated Cotton Variety Test at Lubbock, 1968.

Variety	Yield, pounds lint per acre	Lint Percent	Grade	Staple	Micro-naire
Blightmaster A-5	724 a	21.4	SLM Lt Sp	31	3.15
Stoneville 213	681 ab	22.6	LM	32	3.75
Stoneville 7A	678 ab	19.3	LM	32	3.45
Hy-Bee 300	632 abc	22.2	LM+	31	3.00
Paymaster 909	626 abc	21.2	SLM	31	3.95
Stripper-Cala N	621 abc	23.4	LM+	32	3.60
Stripper 31	617 abcd	23.2	LM	30	4.35
Paymaster 18	593 bcde	21.0	SLM	32	4.20
Rilcot 90	583 bcdef	24.2	LM	31	3.50
Auburn M	579 bcdef	20.7	LM	32	3.15
Paymaster 111	572 bcdef	20.3	LM+ Lt Sp	32	3.55
Westburn	554 cdef	22.8	LM+	32	2.90
Paymaster 202	546 cdefg	23.0	SLM	32	3.60
Paymaster 101A	537 cdefgh	23.4	LM+	31	3.30
Lockett 4789	505 defghi	20.0	LM	32	2.90
Northern Star 5	503 defghi	22.8	SLM	32	3.05
Gregg 35	491 efghi	21.6	LM	31	3.05
Coker 201	485 efghi	21.2	LM+	32	3.35
Rex Smoothleaf	474 fghi	19.0	LM+	32	3.00
Lankart Sel. 611	438 ghij	20.7	SLM	32	3.35
Paymaster 54B	430 hij	19.8	LM+	30	3.20
Lankburn	419 ij	19.9	LM+	32	3.15
Del Cerro	410 ij	17.0	LM+	36	2.85
Gregg 45A	409 ij	22.7	LM+	30	3.30
Acala 1517D	402 ij	17.8	LM+ Lt Sp	34	3.35
Western Stormproof	361 jk	20.2	SLM+	30	2.55
Lankart Sel. 57	360 jk	20.5	SLM	32	3.05
Western Stormproof BR	339 jk	23.2	SLM+	30	2.80
Gregg 25V	332 jk	16.6	SLM	31	3.10
Lankart 57LX	280 k	17.3	SLM	32	3.05

#1747

Table 6. Results of the Supplemental Cotton Variety Test at Welch, 1968.

Variety	Yield, pounds lint per acre	Lint Percent	Grade	Staple	Micro-naire
*SP-27[1/]	882 a	25.6	LM+	32	3.30
*SP-28	793 ab	25.0	LM	34	3.30
*SP-32	770 abc	24.1	LM	34	3.65
Stripper-Cala N	739 abcd	23.4	SLM	33	3.60
Stoneville 213	717 bcde	21.3	LM	34	3.40
*SP-37	716 bcdef	23.3	LM+	33	3.15
*Northern Star 5-637	691 bcdefg	22.2	SLM	34	3.45
*CA803	682 bcdefg	22.2	SLM	34	3.55
*SP-21	679 bcdefg	21.8	LM+	34	3.20
*SP-22	676 bcdefgh	22.1	LM+	34	3.20
*Lockett BXL	675 bcdefgh	21.1	LM	32	3.25
McNair 1032	658 bcdefghi	21.0	LM	34	3.75
*CA788-65-25	650 bcdefghij	21.2	LM+	35	3.10
*SP-23	641 bcdefghij	22.6	LM+	34	3.30
*Wes 15-6-68	628 cdefghij	21.5	LM	33	3.40
*McNair TH 149-20	627 cdefghij	20.5	LM	35	4.05
*Rilcot VT 1	622 cdefghij	24.7	SLM	32	3.80
Paymaster 111	621 cdefghij	22.0	SLM	34	3.85
Lankburn	620 cdefghij	20.3	LM	32	3.25
Paymaster 18	615 cdefghij	21.9	SLM	31	4.40
Coker 310	614 cdefghij	21.2	LM	34	3.60
*Northern Star 5-75-8	613 cdefghij	22.4	SLM	32	3.70
Coker 8906	611 cdefghij	20.5	LM	33	3.20
*Lockett 4789 A 1559	608 defghijk	22.0	SLM	35	3.55
*Lockett 4789 A 1490	603 defghijkl	22.3	SLM	34	3.65
*Northern Star 5-38-5	601 defghijkl	23.0	SLM+	32	3.90
*Northern Star 4-11-6-4-6	598 defghijkl	21.6	SLM	33	3.40
Watson GL-16	586 defghijkl	20.4	LM+	32	3.50
*E 26	585 defghijkl	19.2	LM+	34	3.45
*CA875	583 defghijkl	20.8	SLM	33	3.40
*Northern Star 5-30-12-17	581 defghijkl	24.2	SLM	32	3.80
*G.S.A. 104	579 efghijkl	23.3	SLM	33	3.55
Rilcot 90	577 efghijkl	21.2	LM	31	3.85

#7127

Table 9. Continued.

Variety	Fiber Length 2.5% Span	Fiber Length 50% Span	Fiber Length Unif.	Fiber Strength	Boll Size	Seed Index	Lint Index	Lint Percent of Seed Cotton
Stoneville 213	1.07	.46	44	85.4	5.60	11.4	5.95	34.3
Stripper-Cala N	.98	.44	45	88.8	5.50	11.5	5.54	32.5
CA803	1.08	.48	44	103.3	5.97	11.9	5.81	32.8
Wes 15-6-68	1.06	.46	43	93.4	5.40	11.2	5.77	34.0
Wes 15-7-68	1.13	.53	46	93.1	5.74	12.8	6.45	33.5
Western Stormproof BR	.94	.43	45	84.6	6.28	10.5	6.33	37.6
E 26	1.08	.48	44	79.6	7.76	14.9	6.33	29.8
SP-27	1.07	.48	44	82.4	5.84	12.8	6.95	35.2
SP-28	1.10	.49	44	85.8	6.04	14.2	8.20	36.6
SP-32	1.00	.44	44	86.1	5.44	10.3	6.45	38.5
SP-37	1.02	.43	42	83.6	6.00	11.4	6.08	34.8
SP-21	1.06	.46	44	87.8	6.36	12.3	7.29	37.2
SP-22	1.04	.45	43	90.0	5.95	12.0	6.58	35.4
SP-23	1.04	.45	43	88.5	6.10	12.4	6.68	35.0
Lankart 57 Glandless	1.06	.46	44	75.1	7.66	14.4	6.47	31.0
Paymaster 65 M 165	1.05	.45	43	91.2	7.34	13.8	5.91	30.0
Paymaster 65 M 166	1.06	.50	47	91.8	7.38	13.9	5.73	29.2
Watson GL-16	1.02	.44	43	81.6	6.78	13.4	5.37	28.6
CA875	1.04	.44	42	83.1	5.63	12.8	6.05	32.1
CA788-65-25	1.15	.53	46	91.6	5.94	12.1	5.59	31.6

1/ From Boll Sample Harvest.

#1417

SUMMARY OF DATA, 1968
Cotton Variety Test
Chillicothe (Irrigated)

Entry	Variety	Lbs. lint per acre[1]		Lint % Picked	Lint % Pulled	Boll size[2]	Grade	Staple length
6	Gregg 35	888	a	37.2	30.6	64	SLM	31
14	Lankart Sel. 611	750	b	36.5	27.0	56	SLM+	32
13	Westburn	739	b	33.0	26.1	64	SLM+	32
29	Auburn M	738	b	34.9	26.1	66	SLM	32
25	TAMCOT 788 (CA788-64-15)	736	b	35.2	26.4	64	SLM+	32
7	Lankart Sel. 57	727	bc	37.4	28.0	52	M+	32
4	Paymaster 54B	700	bcd	35.8	26.7	66	SLM+	30
20	Rilcot Stripper-Cala N	700	bcd	32.6	26.0	62	SLM	34
39	Mo. 470F	684	bcde	35.2	26.9	66	SLM	33
10	Paymaster 101A	681	bcde	33.6	26.4	60	M	32
21	Rilcot Stripper-Cala S	678	bcde	30.0	25.1	60	SLM	34
30	Paymaster 18	663	bcdef	32.6	25.5	72	SLM+	30
8	Lockett 4789	657	bcdefg	32.2	25.2	59	SLM+	32
2	Coker 201	652	bcdefg	36.0	27.0	66	M	34
37	Dunn 56C	651	bcdefgh	33.0	24.4	62	LM+	35
15	Lankart 57LX	648	bcdefgh	36.0	26.8	57	SLM	32
42	Lockett 1490	648	bcdefgh	34.0	26.0	66	SLM	32
16	TPSA-110	640	bcdefgh	34.6	25.4	65	SLM+	35
9	Northern Star 5	632	bcdefghi	36.0	28.2	65	M+	32
35	Lockett BXL	616	cdefghi	34.0	25.9	62	SLM+	34
40	Deltapine 16	615	cdefghij	33.0	25.2	72	SLM	35
38	Lankburn	612	cdefghij	32.2	24.0	60	SLM+	32
41	Lankart 3840	611	cdefghij	33.0	24.5	56	SLM	35
19	Rilcot 90	610	cdefghij	32.4	24.8	70	SLM	30
24	Hy-Bee 300	597	defghij	32.0	24.3	60	SLM+	34

L811 #

SUMMARY OF DATA, 1968
Stripper Cotton Variety Test
McGregor

Entry	Variety	Lbs. lint per acre[1]		Lint % Picked	Lint % Pulled	Boll size[2]	Grade	Staple length
38	T59-538	636	a	38.0	29.6	69	LM	33
18	TPSA-110	571	ab	37.8	29.9	69	SLM	32
21	Rilcot Stripper-Cala N	536	abc	35.5	30.0	64	SLM	31
13	Westburn	523	abcd	35.6	28.8	66	SLM	32
28	Paymaster 18	517	abcd	35.7	29.2	74	SLM	29
3	Stoneville 7A	514	abcd	39.0	30.8	77	LM	32
34	Mo. 470F	498	bcde	38.4	30.9	70	LM+	33
30	TAMCOT 788 (CA788-64-15)	492	bcde	34.8	26.8	71	SLM	32
22	Rilcot Stripper-Cala S	490	bcde	33.4	28.3	66	LM+	34
16	Lankart 57LX	488	bcde	36.4	27.2	66	LM+	31
20	Rilcot 90	479	bcde	35.5	29.4	68	LM+	30
29	Hy-Bee 300	464	bcde	35.5	28.7	62	LM+	30
6	Gregg 35	442	bcdef	33.0	27.4	64	LM+	30
10	Paymaster 101A	442	bcdef	36.4	29.4	64	SLM	30
9	Northern Star 5	435	bcdef	34.6	28.9	64	SLM+	30
35	Paymaster 202	432	bcdef	36.4	28.9	64	LM+	30
14	Lankart Sel. 611	428	bcdef	38.9	29.6	60	SLM	31
11	Paymaster 111	422	cdef	34.8	27.6	55	LM+	32
15	Lankart 3840	421	cdef	36.6	28.8	60	LM+	32
2	Coker 201	418	cdef	38.6	30.5	71	SLM	33
4	Paymaster 54B	418	cdef	38.2	30.0	68	LM+	30
7	Lankart Sel. 57	408	cdefg	36.2	28.0	58	SLM	32
23	Lockett 4789A	403	cdefg	35.9	28.5	67	LM+	32
40	Dunn 56C	395	cdefgh	33.6	26.0	72	LM+	32
26	Bagley Storm-Tex 157	386	defghi	37.6	29.2	58	SLM	31

#712

#7127

SUMMARY OF DATA, 1968
Stripper Cotton Variety Test
McGregor

Right-hand continuation

Entry	Variety	Fiber properties[1/] Length 2.5% SL	Length UR	Micronaire	Strength, MPSI
38	T59-538	1.10	46	4.2	90.3
18	TPSA-110	1.10	46	5.0	94.8
21	Rilcot Stripper-Cala N	1.02	44	4.8	100.6
13	Westburn	1.04	44	4.4	88.0
28	Paymaster 18	.88	50	6.1	91.0
3	Stoneville 7A	1.10	46	5.2	93.2
34	Mo. 470F	1.08	46	5.0	90.2
30	TAMCOT 788 (CA788-64-15)	1.09	46	3.9	104.7
22	Rilcot Stripper-Cala S	1.06	43	3.9	97.0
16	Lankart 57LX	1.08	46	4.6	84.6
20	Rilcot 90	.92	49	4.9	91.0
29	Hy-Bee 300	1.01	44	5.0	95.7
6	Gregg 35	.96	46	4.8	93.0
10	Paymaster 101A	.98	46	4.9	90.1
9	Northern Star 5	.98	47	4.5	87.3
35	Paymaster 202	.94	47	5.3	94.8
14	Lankart Sel. 611	1.00	46	4.7	81.4
11	Paymaster 111	1.04	44	4.6	93.3
15	Lankart 3840	1.09	45	5.3	95.8
2	Coker 201	1.12	47	5.3	92.0
4	Paymaster 54B	.93	46	4.8	84.4
7	Lankart Sel. 57	1.06	46	4.9	87.0
23	Lockett 4789A	1.10	46	4.9	90.0
40	Dunn 56C	1.08	46	4.1	98.0
26	Bagley Storm-Tex 157	1.09	45	5.0	86.8
25	Lankburn	1.06	45	5.2	81.0
24	Anton Stormproof 99	.96	46	5.2	83.3
17	TPSA-22	1.04	43	4.6	82.0
5	Blightmaster A-5	.97	47	5.6	84.9
36	Lockett BXL	1.06	46	4.6	88.5
27	Qualla Stormproof	.95	46	5.2	96.8
12	Western Stormproof	.95	46	5.2	91.3
39	Lambright X-15-3	1.14	46	3.8	93.2
8	Lockett 4789	1.06	46	5.2	88.2
19	Western Stormproof BR	.98	46	5.2	90.1
31	Watson GL-16	1.04	45	4.4	90.6
32	Gregg 45A	.94	46	4.9	87.8
1	Acala 1517D	1.16	48	4.7	109.4
33	McNair 6207	1.08	44	4.5	91.4
37	Gregg 25V	.97	46	4.4	96.4

1/ Fiber determinations by Textile Research Laboratories, Texas Technological College.

#1127

SUMMARY OF DATA, 1968
Cotton Variety Test
Chillicothe (Irrigated)

Right-hand continuation

Entry	Variety	Fiber properties[1] Length 2.5% SL	Length UR	Micro-naire	Strength, MPSI
6	Gregg 35	.98	46	4.9	91.3
14	Lankart Sel. 611	1.01	46	4.6	75.3
13	Westburn	1.08	45	4.1	77.9
29	Auburn M	1.12	47	4.3	85.3
25	TAMCOT 788 (CA788-64-15)	1.13	46	4.4	94.6
7	Lankart Sel. 57	1.02	46	4.9	75.9
4	Paymaster 54B	.96	46	4.4	72.8
20	Rilcot Stripper-Cala N	1.05	47	4.6	95.6
39	Mo. 470F	1.14	48	4.7	86.8
10	Paymaster 101A	.99	45	4.8	85.2
21	Rilcot Stripper-Cala S	1.06	44	4.5	94.6
30	Paymaster 18	1.00	46	5.8	79.5
8	Lockett 4789	1.11	47	4.8	85.8
2	Coker 201	1.12	48	4.9	89.2
37	Dunn 56C	1.13	48	4.3	93.2
15	Lankart 57LX	1.08	48	4.8	81.0
42	Lockett 1490	1.10	46	4.4	88.6
16	TPSA-110	1.12	46	4.4	90.2
9	Northern Star 5	1.01	48	4.7	83.2
35	Lockett BXL	1.14	47	4.4	89.0
40	Deltapine 16	1.16	46	4.4	82.0
38	Lankburn	1.12	46	4.4	77.0
41	Lankart 3840	1.13	46	5.3	91.8
19	Rilcot 90	.95	48	4.7	90.5
24	Hy-Bee 300	1.06	46	4.6	84.3
36	Lambright X-15-3	1.11	46	4.0	88.2
22	Qualla Stormproof	1.00	45	4.7	83.4
43	Lockett 1559	1.13	48	4.4	87.0
17	McNair 1032B	1.08	49	4.8	93.8
34	Lockett 4789A	1.10	46	3.9	86.2
12	Western Stormproof	1.00	44	4.3	81.9
31	Paymaster 202	1.01	46	4.6	82.3
11	Paymaster 111	1.08	45	4.4	90.8
26	Watson GL-16	1.05	47	4.5	85.3
27	Gregg 45A	1.02	50	4.8	78.8
3	Stoneville 7A	1.16	48	4.2	95.0
5	Blightmaster A-5	1.02	47	5.0	81.8
18	Western Stormproof BR	1.02	46	4.1	84.2
32	Paymaster 909	1.02	44	5.4	84.4
23	Del Cerro 709	1.34	48	4.2	121.1
1	Acala 1517D	1.22	50	4.4	98.6
33	Acala 1517BR-2	1.22	48	4.3	109.6
28	Gregg 25V	1.00	46	4.6	93.8

[1] Fiber determinations by Textile Research Laboratories, Texas Technological College.

SUMMARY OF DATA, 1968
Cotton Variety Test
Chillicothe (Dryland)

Entry	Variety	Lbs. lint per acre[1]	Lint % Picked	Lint % Pulled	Boll size[2]	Grade	Staple length
34	Lockett 4789A	362 a	39.0	30.4	82	M	30
42	Lockett 1490	356 ab	38.9	30.2	79	M	31
43	Lockett 1559	351 abc	37.2	28.8	78	M	32
20	Rilcot Stripper-Cala N	344 abcd	38.9	30.6	78	M	30
19	Rilcot 90	343 abcde	36.8	29.3	89	SLM	28
40	Deltapine 16	339 abcdef	39.6	30.4	80	M+	34
8	Lockett 4789	337 abcdefg	39.8	30.9	78	M	31
13	Westburn	336 abcdefg	37.6	29.2	86	SLM+	31
9	Northern Star 5	335 abcdefg	39.2	30.6	72	M+	31
27	Gregg 45A	333 abcdefgh	43.1	33.4	74	LM+	30
18	Western Stormproof BR	333 abcdefgh	42.8	33.6	72	SM	31
29	Auburn M	332 abcdefgh	38.6	28.6	88	SLM+	30
22	Qualla Stormproof	330 abcdefgh	39.2	30.8	78	M+	30
35	Lockett BXL	328 abcdefgh	37.6	28.4	79	M	32
6	Gregg 35	325 abcdefghi	37.0	29.1	91	SLM	28
39	Mo. 470F	322 abcdefghi	37.7	30.6	84	SLM+	32
24	Hy-Bee 300	321 abcdefghi	39.4	30.6	78	M	29
14	Lankart Sel. 611	317 abcdefghij	40.4	29.9	70	M+	30
3	Stoneville 7A	316 bcdefghij	39.2	29.4	93	SLM	30
12	Western Stormproof	312 bcdefghijk	41.3	31.1	76	SM	31
2	Coker 201	312 bcdefghijk	40.3	30.6	88	M	32
21	Rilcot Stripper-Cala S	311 bcdefghijkl	37.6	30.2	77	M	30
7	Lankart Sel. 57	311 bcdefghijkl	42.2	31.5	64	M	31
17	McNair 1032B	310 cdefghijkl	39.4	30.4	97	M	30
38	Lankburn	308 cdefghijkl	38.6	30.0	66	M	32

#1127

SUMMARY OF DATA, 1968
Supplemental Cotton Variety Test
Denton

Entry	Variety	Lbs. lint per acre[1]	Lint % Picked	Lint % Pulled	Boll size[2]	Grade	Staple length	Earliness[3]	SR[4]
17	Coker 201	532 a	40.1	30.8	83	M+	32	91.7 abcd	3
2	Deltapine Smooth Leaf	531 a	39.3	29.6	88	M+	31	89.4 abcde	3
9	Rilcot Stripper-Cala S	523 a	35.6	29.6	72	M+	30	96.3 ab	1
13	Qualla Stormproof	486 ab	37.5	29.2	81	SM	30	90.3 abcde	1
6	Auburn 56	475 abc	37.8	29.0	91	M	31	92.0 abcd	3
8	Rilcot Stripper-Cala N	465 abc	36.2	29.1	78	M+	30	95.9 ab	1
14	TAMCOT 788 (CA788-64-15)	463 abc	35.8	27.0	88	M+	32	93.9 abc	1
1	Lankart Sel. 57	455 abc	38.7	28.5	71	M+	31	94.2 abc	1
18	Paymaster 909	435 bc	40.1	28.6	72	M+	31	92.3 abcd	2
16	Paymaster 202	427 bc	37.6	28.6	79	SLM	29	97.4 a	2
12	Lankburn	425 bc	34.6	26.4	72	M+	32	87.4 bcde	2
10	TPSA-110	425 bc	38.7	28.2	91	M	32	88.8 abcde	2
5	Auburn M	424 bc	35.6	27.0	88	M	32	95.0 abc	3
20	Acala 1517BR-2	424 bc	37.2	27.0	83	SM	30	90.8 abcd	3
19	Lambright X-15-3	415 bc	35.4	26.2	72	SM	32	86.0 cde	1
11	Westburn	411 bc	36.5	28.5	91	M	30	96.4 ab	1
7	Western Stormproof BR	407 bc	41.0	32.0	84	SM	29	82.9 de	1
4	McNair 6207	399 c	36.9	27.2	93	SLM	32	81.0 e	3
3	McNair 1032B	393 c	36.7	27.8	97	M	32	89.8 abcde	3
15	Watson GL-16	323 d	34.8	25.7	85	M	32	88.5 abcde	1
	Avg., all entries	442						91.0	
	C. V., %	7.6						4.4	

[1] Means having a letter in common do not differ significantly at .05 probability level.
[2] Number of bolls per pound of seed cotton.
[3] Percent first picking.
[4] Storm resistance: 1=stormproof, 2=storm-resistant, 3=open-bolled.

#1427

#7127

SUMMARY OF DATA, 1968
COTTON VARIETY TEST
Chillicothe (Dryland)

Right-hand continuation

Entry	Variety	Fiber properties[1] Length 2.5% SL	Length UR	Micronaire	Strength, MPSI
34	Lockett 4789A	.94	46	5.3	96.1
42	Lockett 1490	.96	46	5.1	94.6
43	Lockett 1559	.96	46	5.0	93.2
20	Rilcot Stripper-Cala N	.92	46	5.3	99.0
19	Rilcot 90	.82	47	5.0	93.2
40	Deltapine 16	1.07	46	5.5	88.2
8	Lockett 4789	.96	45	5.4	93.2
13	Westburn	.96	45	4.4	91.6
9	Northern Star 5	.94	47	5.2	94.0
27	Gregg 45A	.90	48	5.2	90.0
18	Western Stormproof BR	.94	46	5.2	93.3
29	Auburn M	.97	44	4.8	87.4
22	Qualla Stormproof	.88	47	5.4	94.0
35	Lockett BXL	.96	46	5.5	97.0
6	Gregg 35	.88	47	4.8	98.8
39	Mo. 470F	.98	44	4.8	95.2
24	Hy-Bee 300	.94	47	5.2	99.9
14	Lankart Sel. 611	.90	46	5.3	82.2
3	Stoneville 7A	1.08	46	5.5	98.8
12	Western Stormproof	.91	48	5.0	91.6
2	Coker 201	1.03	45	5.3	96.4
21	Rilcot Stripper-Cala S	.96	44	5.1	102.0
7	Lankart Sel. 57	.88	46	5.6	83.6
17	McNair 1032B	.92	46	5.2	93.6
38	Lankburn	.96	44	5.8	84.1
5	Blightmaster A-5	.94	48	5.4	88.2
15	Lankart 57LX	.94	47	6.1	90.2
16	TPSA-110	1.02	44	5.4	98.1
37	Dunn 56C	1.00	44	5.0	102.4
10	Paymaster 101A	.91	47	5.0	92.8
36	Lambright X-15-3	1.01	44	5.1	95.2
41	Lankart 3840	1.00	45	5.9	91.1
25	TAMCOT 788 (CA788-64-15)	.98	44	4.7	103.0
31	Paymaster 202	.89	48	5.4	102.4
11	Paymaster 111	.92	47	5.5	97.5
4	Paymaster 54B	.86	46	5.1	88.1
23	Del Cerro 709	1.18	48	4.5	117.0
30	Paymaster 18	.80	48	6.4	89.6
26	Watson GL-16	.97	44	5.1	88.1
32	Paymaster 909	.92	48	5.8	98.4
28	Gregg 25V	.92	48	4.9	100.6
33	Acala 1517BR-2	1.10	48	4.7	121.4
1	Acala 1517D	1.07	44	4.7	109.3

[1] Fiber determinations by Textile Research Laboratories, Texas Technological College.

Table 1. Performance of Advanced Strains of Cotton Tested at Chickasha, Oklahoma, Under Irrigation, 1968.

Strain	Lint Yield	Skip Count	Lint Percent		Fiber Length		Micro-naire	Fiber Strength		
			Picked	Pulled	2.5% Span L.	Unif. Ratio		1/8" Gauge Stel.	0" Gauge Stel.	Lbs./in.^{2} in 1000's
Rilcot Stripper Cala N	645*	0**	33.9	24.8	1.042	47.6	3.7	2.14	4.00	86.5
Rilcot Stripper Cala S	601	0	32.0	24.6	1.085	43.1	3.3	1.95	4.22	91.2
Paymaster 18	577	0	34.1	25.9	.987	48.0	5.0	1.74	3.52	76.1
Lockett BXL-WR	577	0	33.0	23.7	1,054	39.2	2.8	1.97	3.93	84.9
Lockett 4789A-1559	563	0	33.6	23.7	1.147	44.3	2.9	1.98	3.75	81.1
Coker 5110	546	0	35.9	26.8	1.181	43.6	3.6	2.16	3.76	81.3
Lockett 4789A-1490	544	1	34.1	24.0	1.136	45.2	2.8	2.25	3.71	80.2
Lockett 4789A-1517	516	2	33.7	23.6	1.129	44.2	2.7	2.19	3.82	82.6
Stoneville 603	515	0	32.5	23.6	1.131	45.6	3.6	2.19	3.78	81.7
Lockett 4789A	497	7	33.3	23.5	1.113	43.7	2.9	22.2	3.84	83.0
Stripper 61-28	485	8	33.4	23.8	1.061	45.8	3.1	2.10	3.82	82.6
Mo-Del	480	0	35.2	25.8	1.159	47.0	4.2	2.30	3.75	81.1
Lankart 57LX	465	0	34.1	23.8	1.078	40.7	3.1	1.86	3.85	83.2
CA 788-64-15	462	6	35.0	25.6	1.180	43.2	3.2	2.14	4.17	90.1
Western Stormproof BR	459	0	37.0	26.5	1.059	44.3	2.9	1.85	3.35	72.4
T-59-538	451	0	33.3	23.9	1.112	43.2	3.1	2.01	3.67	79.3
Paymaster 909	447	0	35.7	24.7	1.030	49.0	4.4	2.01	3.17	68.5
Lankart 3840	423	3	33.5	24.6	1.103	41.8	3.1	2.13	4.12	89.0
Stoneville 7A	368	0	32.2	23.0	1.085	40.4	3.2	1.97	3.78	81.7
Paymaster 909A	366	2	35.1	24.9	1.028	48.5	4.0	2.10	3.71	80.2
NcNair 6216	354	0	32.3	23.2	1.174	41.9	3.8	2.00	3.88	83.9
Paymaster 65M-165	323	0	32.9	22.7	1.123	49.1	3.4	2.07	3.95	85.4
Gregg 45A	241	0	38.6	26.3	1.027	48.5	3.6	1.95	3.56	76.9
CA 788-64-24	178	33	31.0	22.5	1.187	45.0	3.0	2.33	4.53	97.9
Experimental mean	462	3	34.0	24.4	1.100	44.7	3.4	2.07	3.82	82.6

*$LSD_{.05}$ = 148 lbs.; $LSD_{.01}$ = 198 lbs.
**$LSD_{.05}$ = 9; $LSD_{.01}$ = 12.

L211#