

No.



7700054

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*ACCO Seed CARGILL Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE *JJW*  
*8/2/50*  
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 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 *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 IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Paymaster 784'



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 26th day of January in the year of our Lord one thousand nine hundred and seventy-eight

*Alfred*  
*Edward H. ...*  
Acting  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*Bob ...*  
Secretary of Agriculture

**APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE**

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY  PAYMASTER 464	1b. VARIETY NAME  PAYMASTER 784	FOR OFFICIAL USE ONLY	
		PV NUMBER 7700054	
2. KIND NAME  COTTON	3. GENUS AND SPECIES NAME  Gossypium hirsutum	FILING DATE 3-15-77	TIME 10:00 <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A.M.</span> P.M.
		FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	DATE 3-15-77 5-3-77 12-22-77
4. FAMILY NAME (BOTANICAL)  Malvaceae	5. DATE OF DETERMINATION  December 1972	8. TELEPHONE AREA CODE AND NUMBER  (806)652-3312	
6. NAME OF APPLICANT(S)  ACCO Seed Division of Anderson, Clayton & Company.	7. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)  P. O. Box 1630 Plainview, Texas 79072	11. DATE OF INCORPORATION  1929	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)  Corporation		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION  Delaware	

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

Dr. Delbert C. Hess  
ACCO Seed  
P. O. Box 1630  
Plainview, Texas 79072 Telephone (806) 652-3312

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- 13B. Exhibit B, Novelty Statement.
- 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- 13D. Exhibit D, Additional Description of the Variety.

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.)  No  Yes  No *Per letter 12/19/78 letter 1/5/77 JGR*

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

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

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal?  YES  NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety 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) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) 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 Act.

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

March 11, 1977  
(DATE)

Robert J. Richardson  
(SIGNATURE OF APPLICANT)

Robert J. Richardson

(DATE)

(SIGNATURE OF APPLICANT)

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY <b>PAYMASTER 464</b>		1b. VARIETY NAME <b>PAYMASTER 784</b>		FOR OFFICIAL USE ONLY PV NUMBER <b>7700054</b>	
2. KIND NAME <b>COTTON</b>		3. GENUS AND SPECIES NAME <b>Gossypium hirsutum</b>		FILING DATE <b>3-15-77</b>	TIME <b>10:00</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A.M.</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">P.M.</span>
4. FAMILY NAME (BOTANICAL) <b>Malvaceae</b>		5. DATE OF DETERMINATION <b>December 1972</b>		FEE RECEIVED \$ <b>250.00</b> \$ <b>250.00</b> \$ <b>250.00</b>	DATE <b>3-15-77</b> <b>5-3-77</b> <b>12-22-77</b>
6. NAME OF APPLICANT(S) <b>ACCO Seed CARGILL Inc Division of Anderson, Clayton &amp; Company.</b> <i>89th 8/12/80</i>		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) <b>P. O. Box 1630 Plainview, Texas 79072 15615 W. MCGINTY Rd MINNETONKA, MINN. 55343</b>		8. TELEPHONE AREA CODE AND NUMBER <b>(806) 652-3312</b>	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) <b>Corporation</b>			10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION <b>Delaware</b>		11. DATE OF INCORPORATION <b>1929</b>

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

**Dr. Delbert C. Hess  
ACCO Seed  
P. O. Box 1630  
Plainview, Texas 79072 Telephone (806) 652-3312**

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  - 13B. Exhibit B, Novelty Statement.
  - 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
  - 13D. Exhibit D, Additional Description of the Variety.

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.) **NO** *per letter 12/14/78*

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

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

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal?  YES  NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety 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) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) 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 Act.

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

March 11, 1977  
(DATE)

Robert J. Richardson  
(SIGNATURE OF APPLICANT)  
**Robert J. Richardson**  
(SIGNATURE OF APPLICANT)

Do Not Copy This Page, Copy Original. The photo-copy should be handled like this BE SURE TO USE RED INK



DIVISION OF

ANDERSON, CLAYTON &amp; CO.

December 19, 1977

Mr. S. R. Rollin  
Commissioner  
Plant Variety Protection Office  
USDA, ARS Grain & Seed Division  
National Agricultural Library  
Beltsville, Maryland 20705

Dear Mr. Rollin:

Enclosed is a check for \$750.00 that is submitted as the "Fee for Allowance and Issuance of Certificate" for the applications 7700054, cotton, 'Paymaster 784'; 7700056, cotton, 'Paymaster 785'; and 7700077, cotton, 'Paymaster 792'.

Please note that the variety name for application 770054 should be 'Paymaster 784' and not 'Paymaster 464' which was used as an experimental number. Also, please note that we are not specifying that this variety be sold by variety name only as a class of certified seed.

Seed samples of 'Paymaster 785' and 'Paymaster 792' were sent to your office on July 20, 1977. A seed sample of 'Paymaster 784' is being mailed to you today.

Sincerely yours,

Delbert C. Hess  
Director, Cotton Research

DCH/ss  
Enclosures

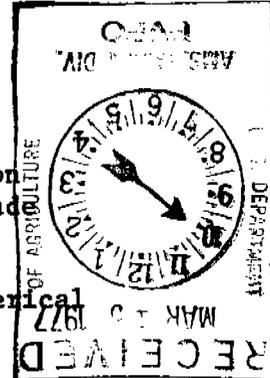
1A

## 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, National Agricultural Library, Beltsville, Maryland 20705. (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 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a 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), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one 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 differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.
- 14A 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 his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)



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EXHIBIT A

Origin and Breeding History

Paymaster 784 was developed from the complex cross shown below:

Paymaster 202 x {[(Blightmaster x Empire KK) x  
Shafter 011] x [Paymaster 202 x Empire GL]}

The final cross was made in 1964 at the Paymaster Farm, Plainview, Texas. The F<sub>1</sub> was grown in Mexico during the winter of 1964-1965 and the F<sub>2</sub> at Plainview in 1965. Plant to row selections were made in subsequent generations. Yield testing of the material began in 1970. Initial seed increases were made during the winter of 1972-1973 in Mexico with subsequent increases being grown on the High Plains. The stability of the variety is evidenced by the essentially equal performance of the seed lots grown over the six year period from 1970 to 1975. Seed lots produced during the increase stages have contained from .4 to 3.75 percent glanded or partially glanded seed. As near as can be determined these variants are a result of a small percentage of open pollinated bolls being harvested with the self pollinated bolls grown in Mexico in 1972-1973. These variants are readily identified by observing the seed embryos or the plants, both of which have glands present.

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EXHIBIT B

Novelty Statement

Paymaster 784 is most similar to Paymaster 111-A in growth and general plant characteristics. However, Paymaster 784 is novel and is different from Paymaster 111-A in that Paymaster 784 (1) is glandless, i.e., without gossypol containing glands, (2) has a distinctly more stormproof boll and (3) produces fiber that is .09 inch shorter than that of Paymaster 111-A. (2.29 mm)

Stormproof comparisons of Paymaster 784  
and Paymaster 111-A. Data from ACCO Seed  
yield tests.

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Location	Year	Stormproof Rating <sup>/1</sup>		Difference
		Paymaster 784	Paymaster 111-A	
Plainview	1972	4.3	3.0	1.3
Dimmitt	1972	4.7	2.3	2.4
Buckholts	1972	4.3	3.0	1.3
Frost	1972	4.3	3.0	1.3
Crosbyton	1973	5.0	2.7	2.3
Olton	1973	5.0	3.0	2.0
Ropesville	1973	5.0	2.7	2.3
Buckholts	1974	5.0	3.0	2.0
Crosbyton	1974	4.3	2.7	1.6
Ropesville	1974	4.7	3.0	1.7
Plainview	1974	5.0	3.7	1.3
Ropesville	1975	4.7	3.0	1.7
Crosbyton	1975	4.3	3.0	1.3
Plainview	1975	4.7	3.0	1.7
Average		4.66	2.94	1.73 <sup>**</sup> ± .33

Statistical Calculations <sup>/2</sup>

$$s_{\frac{2}{d}} = .012 \quad s_{\bar{d}} = .017 \quad t = 15.73^{**}$$

99% Confidence limits:  $l_1 = 1.40$        $l_2 = 2.06$

\*\* Significant at the .99 probability level.

<sup>/1</sup> Average of three replications. Higher number indicate a higher degree of stormproofness. Scale is 1-5.

<sup>/2</sup> Data analysed as paired comparisons. See Steel, R.D.G. and Torrie, J. H.: Principles and Procedures of Statistics. McGraw-Hill Book Co., Inc. New York. 1960. pages 78-79

Fiber length comparisons of Paymaster 784 and Paymaster 111-A. Data from ACCO Seed yield tests, fiber analysed by Texas Tech Textile Research Center, Lubbock, Texas.

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Location	Year	Fiber Length, Inches		Difference
		PM784	PM111-A	
Plainview	1973	.95	1.05	.10
Ropesville	1973	.87	1.09	.22
Olton	1973	.87	.97	.10
Crosbyton	1973	.92	1.13	.21
Inadale	1973	.91	1.04	.13
Buckholts	1973	.89	.99	.10
Plainview	1974	1.02	1.07	.05
Ropes	1974	.98	1.00	.02
Crosbyton	1974	.96	.99	.03
Inadale	1974	1.05	1.07	.02
Plainview	1975	.91	1.01	.10
Crosbyton	1975	.93	1.01	.08
Inadale	1975	1.00	1.05	.05
Crosbyton #2	1975	1.02	1.11	.09
Average		.95	1.04	.093** <sup>†</sup> .05

Statistical Calculations <sup>/1</sup>

$$s_{\frac{2}{d}} = .00028 \quad s_{\bar{d}} = .017 \quad t = 5.47^{**}$$

99% confidence limits:  $l_1 = .043$ ,  $l_2 = .143$

\*\* Significant at the .99 probability level.

<sup>/1</sup> Data analysed as paired comparisons. See Steel, R.D.G. and Torrie, J. H.: Principles and Procedures of Statistics. McGraw-Hill Book Co., Inc. New York. 1960. pages 78-79.

FORM GR-470-8  
(10-2-72)

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

EXHIBIT C  
(Cotton)

OBJECTIVE DESCRIPTION OF VARIETY  
COTTON (*GOSSYPIMUM SPP.*)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

FOR OFFICIAL USE ONLY

ACCO Seed

PVPO NUMBER

7700054

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

P. O. Box 1630  
Plainview, Texas 79072

VARIETY NAME OR TEMPORARY DESIGNATION

PAYMASTER 784

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

1. SPECIES:

1 = GOSSYPIMUM HIRSUTUM      2 = GOSSYPIMUM BARBADENSE

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

EASTERN       DELTA       CENTRAL       HIGH PLAINS       EL PASO AREA  
 WESTERN LOW HOT VALLEYS       SAN JOAQUIN       OTHER (Specify) \_\_\_\_\_

3. MATURITY (50% Open Boll):

NO. OF DAYS EARLIER THAN .....  } 1 = COKER 310      2 = DELTAPINE 16      3 = STONEVILLE 213  
 NO. OF DAYS LATER THAN .....  } 4 = PAYMASTER 111      5 = ACALA 1517-70      6 = ACALA SJ-1  
7 = LANKART 57      8 = OTHER (Specify) \_\_\_\_\_

4. PLANT HABIT:

1 = SPREADING      2 = INTERMEDIATE      3 = COMPACT       1 = FOLIAGE SPARSE      2 = DENSE  
3 = OTHER (Specify) Intermediate

5. PLANT HEIGHT:

CM. SHORTER THAN .....  } 1 = COKER 310      2 = DELTAPINE 16      3 = STONEVILLE 213  
 CM. TALLER THAN .....  } 4 = PAYMASTER 111      5 = ACALA 1517-70      6 = ACALA SJ-1  
7 = LANKART 57      8 = OTHER (Specify) \_\_\_\_\_

6. MAIN STEM:

1 = LAX      2 = ASCENDING      3 = ERECT       CM. TO FIRST FRUITING BRANCH       NO. OF NODES TO FIRST FRUITING BRANCH (from cotyledonary node)

7. LEAF:

CM. WIDTH OF WIDEST LEAVES AT MATURITY

8. LEAF PUBESCENCE:

1 = GLABROUS (HAIRS AS SPARSE AS D<sub>2</sub> SMOOTH)  
2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF)      3 = PUBESCENT (STONEVILLE 213)  
4 = HEAVY PUBESCENCE (H<sub>1</sub> OR H<sub>2</sub>)      5 = OTHER (Specify) \_\_\_\_\_

9. LEAF COLOR:

1 = VIRESCENT YELLOW      2 = LIGHT GREEN      3 = DARK GREEN (Acala-442)      4 = RED  
5 = OTHER (Specify) \_\_\_\_\_

10. LEAF TYPE:

1 = NORMAL      2 = OKRA      3 = SUPER OKRA      4 = OTHER (Specify) \_\_\_\_\_

11. FLOWER:

1 = NECTARILESS      2 = NECTARIED

Petals: 1 = CREAM      2 = YELLOW       Pollen: 1 = CREAM      2 = YELLOW

12. FRUITING BRANCH TYPE:

1 = CLUSTER      2 = SHORT      3 = NORMAL       1 = DETERMINATE      2 = INDETERMINATE

13. GOSSYPOL CONDITION:

1 = GLANDLESS      2 = REDUCED GLANDS      3 = NORMAL GLANDS       1 = NORMAL BUD GOSSYPOL No Bud  
4 = OTHER (Specify) \_\_\_\_\_      2 = HIGH BUD GOSSYPOL Gossypol

14. SEEDS:

±  SEED INDEX (Fuzzy seed basis)       Seed Fuzz: 1 = SPARSE (GREGG 35)      2 = MODERATE (DPL-16)  
3 = HEAVY (ACALA SJ-1)      4 = OTHER (Specify) \_\_\_\_\_

01/18

7700054

EXHIBIT D

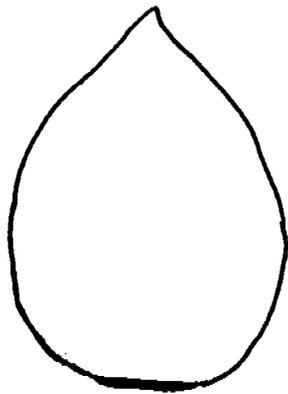
Additional Description of the Variety

The boll shape of Paymaster 784 is shown on the attached sketch. Other morphological data based on the average of ten typical plants are:

Calyx length	1.36 cm
Style length	2.53 cm
Boll length	4.64 cm
Boll width	3.50 cm

Performance data of Paymaster 784, which has been tested as Paymaster 464, is attached.

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Cross section of typical full  
grown boll of Paymaster 784.

FORM GR-470-8 (REVERSE)

15. BOLLS:

2 Locules: 1 = 3-4  
 2 = 4-5

3  4 NO. SEEDS PER BOLL

3  7  7 LINT PERCENT

3  5 MM. DIAMETER

1 Pitted: 1 = NONE  
 2 = FINELY  
 3 = COURSELY

6  2  5 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)

3 Shape: 1 = LENGTH < WIDTH  
 2 = LENGTH = WIDTH  
 3 = LENGTH > WIDTH

16. BRACTEOLAS:

3 Breadth: 1 = LENGTH < WIDTH 2 = LENGTH = WIDTH 3 = LENGTH > WIDTH

2 Teeth: 1 = FINE 2 = COURSE

4 Teeth: 1 = 3-4 2 = 5-7 3 = 8-10  
 4 = OTHER (Specify) 4-9, mostly 5-7

17. YIELD: Compared to--

PERCENT LESS THAN .....

1  4  3 PERCENT MORE THAN .....

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

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

SPAN LENGTH 50%

0  9  5 SPAN LENGTH 2.5%

U.H.M. LENGTH

MEAN LENGTH

3  0 STAPLE LENGTH 32nd INCHES

UNIFORMITY RATIO (MEAN/U.H.M.)

4  7 UNIFORMITY INDEX (50% SPAN/2.5% SPAN)

19. FIBER STRENGTH AND ELONGATION:

0  8  3 1,000 P.S.I.

ELONGATION E<sub>1</sub>

STILOMETER T

3  8  0 MICRONAIRE READING

YARN STRENGTH (Give test method)

2  3  2 STILOMETER T

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

1 VERTICILLIUM WILT

1 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 SPIDERMITES

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.

ASSIGNMENT OF PLANT VARIETY PROTECTION ACT  
CERTIFICATES AND APPLICATIONS

WHEREAS, CARGILL, INCORPORATED, including the CARGILL HYBRID SEEDS DIVISION ("CARGILL"), a Delaware corporation with its principal office and place of business at 15407 McGinty Road West, Wayzata, MN 55391, is the owner of the varieties, Plant Variety Protection Act ("PVPA") certificates and application identified below:

PLANT VARIETY PROTECTION CERTIFICATES

<u>VARIETY</u>	<u>CERTIFICATE NO.</u>	<u>ISSUED</u>
Paymaster 784	✓ 7700054	January 26, 1978
Paymaster 785	✓ 7700076	January 26, 1978
Paymaster 792	✓ 7700077	February 2, 1978
PR68	7800104	March 1, 1979
PR75	8000135	November 20, 1980
Paymaster 145	✓ 8000080	May 14, 1981
Paymaster 404	✓ 8000081	April 16, 1981
7563	8300031	September 29, 1983
Lankart 175	✓ 8400153	November 29, 1985
Lankart 511	✓ 8600086	November 28, 1986
Lankart 311	✓ 8700086	June 30, 1987
Paymaster 892	✓ 8900270	November 30, 1990
Paymaster 147	8900269	November 30, 1990
Lankart 142	✓ 9000215	April 30, 1991
Paymaster HS26	✓ 8600087	June 30, 1992 (amended)
Paymaster HS200	✓ 9000216	May 28, 1993 (amended)

PLANT VARIETY PROTECTION APPLICATION

<u>VARIETY</u>	<u>APPLICATION NO.</u>	<u>FILED</u>
Paymaster HS30	✓ 9200264	September 14, 1992

WHEREAS, DELTA AND PINE LAND COMPANY ("DELTA and PINE LAND"), a Delaware corporation with its principal office and place of business at 100 North Main Street, Scott, Mississippi is desirous of acquiring said varieties PVPA certificates and application and all rights, title and interest therein;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, CARGILL does hereby assign unto DELTA and PINE LAND all rights, title and interest that it may have in and to said varieties PVPA certificates, application and the underlying cottonseed inventions.

This Agreement was executed at Dallas, Texas, on May 2, 1994.

ATTEST:

*[Handwritten Signature]*

CARGILL, INCORPORATED

By: *Michael J. Hall*

Name: MICHAEL J. HALL

Title: CONTROLLER - SEED DIV.