No. 7200089

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

J. H. Lambright

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 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. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS ...ED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Lambright X-15-3-A'

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, DC *this* 10th *day of* June *in the year of our Lord one thousand nine hundred and* seventy-four

Attest:

S. J. Rollin

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Earl L. Butz

Secretary of Agriculture

FORM GR-470
(2-12-71)

UNITED STATES DEPARTMENT OF AGRICULTURE
CONSUMER AND 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: Lambright X-15-3-A	2. KIND NAME: Upland Cotton	FOR OFFICIAL USE ONLY — PVPO NUMBER: 72089
3. GENUS AND SPECIES NAME: Genus Gossypium	4. FAMILY NAME *(Botanical)*: Gossypium Hirsutum L.	FILING DATE: 2/22/72 — TIME: 3 P.M.
	5. DATE OF DETERMINATION: Year 1969	FEE RECEIVED: $250 — CHARGES
6. NAME OF APPLICANT(S): J.H. Lambright	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)*: Route 2, Slaton, Texas 79364	8. TELEPHONE AREA CODE AND NUMBER: 806-996-2866
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION

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

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- [x] 12A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52, P.L. 91-577)*
- [x] 12B. Exhibit B, Botanical Description of the Variety
- [x] 12C. Exhibit C, Objective Description of the Variety
- [x] 12D. Exhibit D, Data Indicative of Novelty
- [x] 12E. Exhibit E, Statement of the Basis of Applicant's Ownership

The applicant declares 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. *(See Section 52, P.L. 91-577).*

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), P.L. 91-577) (If "Yes," answer 14B and 14C below.)* [x] YES [ ] NO

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?

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

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 (P.L. 91-577).

February 18, 1972
(DATE)

J. H. Lambright
(SIGNATURE OF APPLICANT)

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(DATE)

(SIGNATURE OF APPLICANT)

FORM GR-470 (REVERSE)

RECEIVED
DEPARTMENT OF AGRICULTURE
C.M.S. GRAIN DIVISION

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and $50.00 fee to U.S. Dept. of Agriculture, Consumer and Marketing Service, Grain Division, Hyattsville, Maryland 20782. Retain one copy for your files. All items on the face of the form are self-explanatory unles noted below.

ITEM

5 Insert the date the applicant determined that he had a new variety.

12a 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.

12b 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.

12c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.

12d Provide complete data indicative of novelty. Seed and plant specimens may be submitted and seeds submitted may be sterile. Where possible, include photographs of plant comparisons, chemical tests, etc.

12e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

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Exhibit A, Origin and Breeding History of the Lambright X-15-3-A Cotton Variety

The Lambright X-15-3-A cotton variety is a single plant plant selection made in 1967, from the Lambright X-15-3 variety which was developed from a cross made in 1964 by J.H. Lambright, by using the Lambright 123 BR-1 and the Del Cerro cottons.
The Lambright 123 BR-1 being a short staple stormproof, and the Del Cerro a longer staple loose lock cotton.
The Lambright 123 BR-1 variety showed Bacterial Blight resistance to all 4 Races of a mixture of Race 1, Race 2, and Variant 5, Variant 6, of Xanthamonas Malvacearium, conducted at the Texas Agricultural Experiment Station at Lubbock Texas in 1965.
After satisfactorily adjusting the lint properties in the early stages of development, the row height is being regulated by removing an occasional tall plant during the reproduction and multiplication stages.

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Exhibit B, Botanical Description of the
Lambright X-15-3-A Cotton Variety

The Lambright X-15-3-A variety has no unusual botanical seed or seedling characteristics, normal glanded, annual plants, of medium height, foliage light, has intermediate growth, of the smooth leaf class, (glabrous), with occasional vegetative branching, medium size, 3 to 5 lobe leaves, lighter green in color, the flowers are medium size, and borne singly, the corolla and pollen are light creamy or creamy white in color, (as are most commercial varieties), the fruit is medium in size, round ovate to slightly pointed in shape, slightly beaked, 4 and 5 locks, semi-stormproof, the seed are medium in size, coated with a short linters, bluish gray in color, ovate in shape.
The X-15-3-A cotton is earlier maturing, has a longer, stronger fiber , with a much higher corrected break factor, than the parent plant the X-15-3 Variety.

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Exhibit C, Objective Description of the
Lambright X-15-3-A Cotton Variety

The Lambright X-15-3-A variety is a normal glanded cotton, of medium height, medium size main stem, erect, intermediate growth, with an occasional basal vegetative branch, and of the smooth leaf class, good root system that supplies the plant well, allowing a very minimum amount of shedding, foliage light, medium size, 3 to 5 lobe leaves, lighter green in color, The flowers are medium to small in size, 5 petals, and are borne singly, the corolla and pollen are light creamy or creamy white in color, medium to short jointed fruiting branch, 1 to 5 boll, creating a cylindrical or conical form, the fruit is medium in size, 4 and 5 locks, round ovate to slightly pointed in shape, slightly beaked, Semi-stormproof, 65 bolls seed cotton per Lb., lint percent 36 to 38 percent. The typical range of fiber properties are, lint length 1 1/8 to 1 3/16 inches, P.S.I. 95,000 to 105,000 Lbs., Micronaire reading of 4.0 to 4.5 , Medium size seed, ovate in shape, 3,600 to 3,800 to Lb. , coated with a short linters, bluish grey in color,

120 to 125 days to maturity.

This material has been developed for stripper type harvest, not suitable for spindle picking.

Has minimum amount of resistance to Verticillium and Fusarium wilt, with little or no Bacterial Blight.

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FORM APPROVED. OMB NO. 40-R3712

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 (*GOSSYPIUM SPP.*)

INSTRUCTIONS: *See Reverse.*

NAME OF APPLICANT(S)
J.H. Lambright

ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*)
Route 2
Slaton, Texas 79364

FOR OFFICIAL USE ONLY

PVPO NUMBER
72089

VARIETY NAME OR TEMPORARY DESIGNATION
Lambright X-15-3-A

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 [0] CENTRAL [2] HIGH PLAINS [1] EL PASO AREA
[0] WESTERN LOW HOT VALLEYS [1] SAN JOAQUIN [ ] OTHER (*Specify*)

3. MATURITY (50% Open Boll):

[0][0] NO. OF DAYS *EARLIER* THAN ..... [6]
[1][0] NO. OF DAYS *LATER* 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 8 = OTHER (*Specify*)

4. PLANT HABIT:

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

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

5. PLANT HEIGHT:

[0][6"] 15.3 CM. *SHORTER* THAN ..... [5]
[0][2"] 5.1 CM. *TALLER* 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 8 = OTHER (*Specify*)

6. MAIN STEM:

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

[4"] 10.1 CM. TO FIRST FRUITING BRANCH

[0][4] NO. OF NODES TO FIRST FRUITING BRANC (*from cotyledonary node*)

7. LEAF: 11.5

[4][1/2"] CM. WIDTH OF WIDEST LEAVES AT MATURITY

8. LEAF PUBESCENSE:

[2] 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*)

9. LEAF COLOR:

[2] 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: $\bar{X}$ = 13.6

[1][2][9] ± [14.3] SEED INDEX (*Fuzzy seed basis*)

[2] 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

Application No. 72089, cotton 'Lambright X-15-3-A'

Lambright X-15-3-A is most similiar to its one parent Lambright X-15-3, in height, days to maturity, with a lighter colored green leaf, Lambright X-15-3-A has a more compact plant, with shorter fruiting branches, and has higher resistance to bacterial blight race 1 and 2, and variants 5 and 6, than the Lambright X-15-3 parent.

Lambright X-15-3-A has 1.3 grams smaller boll, 0.06 longer and 20,000 PSI stronger fiber, and sets fruit higher off the ground than Lambright X-15-3.

J.H. Lambright

J.H. Lambright

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Exhibit E, Statement of the Basis of
Applicants Ownership

I hereby declare that the foregoing statements, and information submitted, are true and correct to the best of my knowledge and belief.

And that I am the originator, breeder, and rightful owner, of the following varieties of cotton being submitted for plant protection at this time,

Lambright X-15-3-A variety

Lambright L-X-28 variety

Lambright GL-4 variety

Lambright X-15-4 variety

This Day, February 18, 1972 Signed, J. H. Lambright