No. 7300071

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Department of Horticulture
Auburn University A.E.S.

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, 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 (7 U.S.C. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

MUSKMELON

'Gulfcoast'

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* 19th *day of* July *in the year of our Lord one thousand nine hundred and* seventy-seven

Attest:

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

FORM GR-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
Gulfcoast	Muskmelon	PV NUMBER 73071
3. GENUS AND SPECIES NAME	4. FAMILY NAME *(Botanical)*	FILING DATE 3-9-73 / TIME 8:30 A.M.
Cucumis melo	Cucurbitaeea	FEE RECEIVED $ 250.00 / BALANCE DUE $ 3-9-73
	5. DATE OF DETERMINATION 1-1-71	$ 250.00 / $ 4-29-77
		$ 250.00 / $ 6-7-77

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
Dept. of Horticulture Auburn Univ. Agr. Exp. Sta.	Auburn University Auburn, Alabama 36830	205 826-4862

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)*	10. STATE OF INCORPORATION	11. DATE OF INCORPORATION
State Univ. Agr. Exp. Sta.	Alabama	1872

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

D. Y. Perkins, Head, Dept. of Horticulture Auburn University, Auburn, Ala. 36830

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

[X] 13C. Exhibit C, Objective Description of the Variety

NJS

[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.)* [ ] YES [X] 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? [ ] FOUNDATION [ ] REGISTERED [ ] CERTIFIED

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.

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.

8/9/73
(DATE)

Donald Y Perkins
(SIGNATURE OF APPLICANT)
D. Y. Perkins, Head, Dept. of Horticulture

8-9-73
(DATE)

Joseph D Norton
(SIGNATURE OF APPLICANT)
D. Norton, Professor, Breeder

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Exhibit A

Origin and History of the Gulfcoast Variety

1. 'Gulfcoast' is an inbred line from the cross Southland x P.I. 140471 as shown in the pedigree (see attached leaflet No. 82, Auburn Univ. Agr. Exp. Sta., Gulfcoast - A Sweet Cantaloupe for the Produce Chain Store Market). Following the cross, a backcrossing and disease screening program was followed with selection of disease resistant seedlings and high quality fruit. Thus, 'Gulfcoast' originated from a program of backcrossing and inbreeding to obtain resistance to gummy stem blight (*Mycosphaerella citrullina*, downy mildew (*Pseudoperonospora cubensis*), and powdery mildew *Spherotheca fuliginea*.

2. Pure line selections were made in progeny from the third backcross based on disease resistance and fruit quality. Yield tests were made at five locations in Alabama and 22 locations in the Southern Region for four years (see attached leaflet No. 82).

3. The genetic makeup of the variety was stabalized in the fifth generation. (See attached leaflet No. 82).

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Exhibit B

Botanical Description of the Gulfcoast Variety

'Gulfcoast' is an early, 75 day, muskmelon and is similar in plant and fruit characteristics to P.M.R. No. 45 but is more vigorous and fruit are higher in soluble solids when grown in Alabama (see attached leaflet No. 82).

The vine is trailing with hirsute stems; leaves shallowly fine lobed with the lobes more or less rounded at the apex. Upper leaf surface grayish green IGY 3/2 1/. Lower leaf surface, scabrous, moderate olive green 2.5 GY 4/3. Mature leaf length 5 inches, width 5 inches.

Flowers staminate, and perfect. Perfect flowers emerge 10 to 14 days after first staminate flowers appear. Staminate flowers length 0.5 inch, width 1.0 inch. Perfect flowers length 2.0 inches, width 1.0 inches. Petal color vivid yellow 2.5 Y 8/12.

Fruit mostly round, some round oval; slightly ribbed with an extra heavy medium net. Fruit firm; weight 2½ pounds; size 5-6 inches diameter. Color dark orange yellow 10 Y R 5/6. Rind thickness 0.5 inch.

Flesh melting, tender juicy, sweet (12.7% soluble solids), 2/, excellent delicious flavor; thickness 1 3/4 - 2 inches. Typically 3 locules, with 115-125 seeds per locule.

'Gulfcoast' is highly resistant to Pseudoperonospora cubensis (downy mildew), Sperotheca fuliginea (powdery mildew), and Mycosphaerella citrullina (gummy stem blight). It has "field" resistance to Meloidogyne incognita acrita (root-knot nematode).

1/ Nickerson color fan, maximum chroma, 40 hues, Nickerson Color Company, Inc.

2/ Baush and Lomb Refractometer 0 - 25 scale.

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.

FORM APPROVED: OMB NO. 40-R3712

FORM GR-470-38
(6-76)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY

Muskmelon (Cucumis melo L.)

NAME OF APPLICANT(S): D. Y. Perkins

VARIETY NAME OR TEMPORARY DESIGNATION: Gulf Coast

ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code)*
Department of Horticulture, Auburn University
Auburn, Alabama 36830

FOR OFFICIAL USE ONLY
PVPO NUMBER 73071

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.

1. TYPE:

[5] 1 = PERSIAN 2 = HONEY DEW 3 = CASABA 4 = CRENSHAW 5 = COMMON OR SUMMER
6 = OTHER _____

2. AREA OF BEST ADAPTATION IN U.S.A.

[1] 1 = SOUTHEAST 2 = NORTHEAST/NORTHCENTRAL 3 = SOUTHWEST 4 = MOST AREAS

3. MATURITY (FROM SEEDING TO HARVEST):

[0 7 5] DAYS
[1 4] NO. DAYS EARLIER THAN . . . . . [3] 1 = FORDHOOK GEM (EARLY)
2 = DELICIOUS 51 (MIDSEASON)
3 = HONEY DEW (LATE)
[0 2] NO. DAYS LATER THAN . . . . . [4] 4 = OTHER *(Specify)* Hales Best

4. PLANT:

[1] 1 = ANDROMONOECIOUS 2 = MONOECIOUS 3 = GYNOECIOUS 4 = OTHER _____
[1] 1 = VINE 2 = SEMI-BUSH 3 = BUSH

5. LEAF (MATURE BLADE OF THIRD LEAF)

[1] SHAPE: 1 = ORBICULAR 2 = OVATE 3 = RENIFORM
[2] 1 = NOT LOBED 2 = SHALLOWLY LOBED 3 = DEEPLY LOBED
[3] 1 = LIGHT GREEN (HONEY DEW) 2 = MEDIUM GREEN 3 = DK. GREEN (RIO GOLD)
[1 2 7] mm LENGTH [1 2 7] mm WIDTH
[1] SURFACE: 1 = PUBESCENT 2 = GLABROUS 3 = SCABROUS

6. FRUIT (AT EDIBLE MATURITY):

[1 6] cm LENGTH [1 6] cm DIAMETER [1 1 9 5] gm WEIGHT
[3] SHAPE: 1 = OBLATE 2 = OVAL 3 = ROUND 4 = ELONGATE-CYLINDRICAL 5 = SPINDLE 6 = ACORN
[2] SURFACE: 1 = SMOOTH 2 = NETTED 3 = CORRUGATED 4 = WARTED
[1] BLOSSOM SCAR: 1 = OBSCURE 2 = CONSPICOUS
[2] RIBS: 1 = ABSENT 2 = PRESENT
[0 9] NO. RIBS PER FRUIT [0 3 0] mm RIB WIDTH AT MEDIAL [2] RIBS: 1 = SMOOTH 2 = NETTED

SUTURES:

[1] 1 = SHALLOW (GOLDEN DELIGHT) 2 = MEDIUM 3 = DEEP (HACKENSACK)
[2] 1 = SMOOTH 2 = NETTED
[3] SHIPPING QUALITY: 1 = POOR (HOME GARDEN) 2 = FAIR (SHORT DISTANCE SHIPPING)
3 = EXCELLENT (LONG DISTANCE SHIPPING)

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[1] FRUIT ABSCISE: 1 = WHEN RIPE 2 = WHEN OVERRIPE 3 = DO NOT ABSCISS

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Exhibit D

Data Indicative of Novelty of Gulfcoast Variety

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

'Gulfcoast' is MOST similar R/S to its one parent Southland, except it has (1) a high level of resistance to Mycospharella citrullina (gummy stem blight), (2) field resistance to Meloidogyne incognita acrita (root-knot nematode), (3) 0.30 lb. smaller fruit, and (4) 0.9 percent higher in soluble solids of fruit. (see attached leaflet No. 82).

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Exhibit E

Statement of Applicants Ownership of 'Gulfcoast' Variety

The Department of Horticulture, Auburn University Agricultural Experiment Station, Auburn University, Auburn, Alabama believes it is the sole original and first breeder of the Gulfcoast variety of Muskmelon for which it solicits a certificate of protection.

Rec. 1 p.m. 2/8/77 dw

7. RIND NET:

3	1 = ABSENT 2 = SPARSE 3 = ABUNDANT
2	DISTRIBUTION: 1 = SPOTTY 2 = COVERS ENTIRE FRUIT
1	COARSENESS: 1 = FINE 2 = MEDIUM COARSE 3 = VERY COARSE
3	INTERLACING: 1 = NONE 2 = SOME 3 = COMPLETE
1	INTERSTICES: 1 = SHALLOW 2 = MEDIUM DEEP 3 = DEEP

8. RIND TEXTURE:

2 1 = SOFT 2 = FIRM 3 = HARD

25 mm THICKNESS AT MEDIAL

9. RIND COLOR (AT EDIBLE MATURITY):

COLORS: (SELECT TWO WHEN NECESSARY, i.e., CREAMY YELLOW 0204)

01 = WHITE 02 = CREAM 03 = BUFF 04 = YELLOW 05 = GOLD 06 = GREEN 07 = ORANGE 08 = BRONZE
09 = BROWN 10 = GRAY 11 = BLACK 12 = OTHER *(Specify)* None

0407 PRIMARY COLOR
0010 NET COLOR
0012 MOTTLING COLOR
0607 FURROW (SUTURE) COLOR

RIND COLOR (AT FULL MATURITY)

0007 PRIMARY COLOR
0010 NET COLOR
0012 MOTTLING COLOR
0007 FURROW (SUTURE) COLOR

10. FLESH (AT EDIBLE MATURITY):

COLORS: (SELECT TWO WHEN NECESSARY, i.e., CREAMY YELLOW 23)

1 = WHITE 2 = CREAM 3 = YELLOW 4 = GREEN 5 = ORANGE 6 = SALMON 7 = PINK
8 = OTHER *(Specify)* _____

05 COLOR NEAR CAVITY
35 COLOR IN CENTER
35 COLOR NEAR RIND
13 REFRACTOMETER % SOLUABLE SOLIDS (CENTER OF FLESH)
07 % SOLUABLE SOLIDS FOR CHECK VARIETY *(Specify variety* Hales Best *)*
2 AROMA: 1 = ABSENT 2 = FAINT 3 = STRONG
1 FLAVOR: 1 = MILD 2 = SOMEWHAT SPICY 3 = VERY SPICY

11. SEED CAVITY:

61 mm LENGTH
61 mm WIDTH
1 SHAPE IN X-SECTION: 1 = CIRCULAR 2 = TRIANGULAR

12. SEEDS:

375 NO. PER FRUIT
258 gm PER 1,000

13. DISEASE RESISTANCE * (0 = UNTESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

0	BACTERIAL WILT	0	ROOT ROT	0	CROWN BLIGHT	0	MELON RUST
2	POWDERY MILDEW	0	VERTICILLUM WILT	0	SULPHUR BURN	0	SCAB
0	WATERMELON MOSAIC	2	DOWNY MILDEW	0	FUSARIUM WILT	2	ROOT KNOT (NEMATODE)
0	ANTHRACNOSE	0	CUCUMBER MOSAIC	0	SQUASH MOSAIC	0	OTHER _____
				2	OTHER Gummy Stem Blight	0	OTHER _____

* STATE GENUS, SPECIES, AND RACES WHEN KNOW, UNDER ITEM 16.

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14. INSECT RESISTANCE: (0 = UNTESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

0	APHID	0	PICKLE WORM	0	DARKLING GROUND-BEETLE	0	BANDED CUCUMBER BEETLE
0	MITE	0	WESTERN SPOTTED CUCUMBER BEETLE	0	MELON LEAFHOPPER	0	OTHER *(Specify)*
0	MELON WORM	0	WESTERN STRIPED CUCUMBER BEETLE	0	MELON LEAFMINER		

15. NAME A VARIETY THAT MOST CLOSELY RESEMBLES THAT SUBMITTED FOR THE FOLLOWING CHARACTERISTICS:

CHARACTER	VARIETY	CHARACTER	VARIETY
DAYS MATURITY	Hales Best	FRUIT SHAPE	Gulfstream
PLANT VIGOR	Gulfstream	RIND COLOR	Gulfstream
PLANT HABIT	PMR #45	FLESH AROMA	Gulfstream
FRUIT NETTING	PMR #45	FLESH FLAVOR	Gulfstream
FRUIT SIZE	PMR #45	FLESH COLOR	Gulfstream

16. ADDITIONAL INFORMATION AND COMMENTS:

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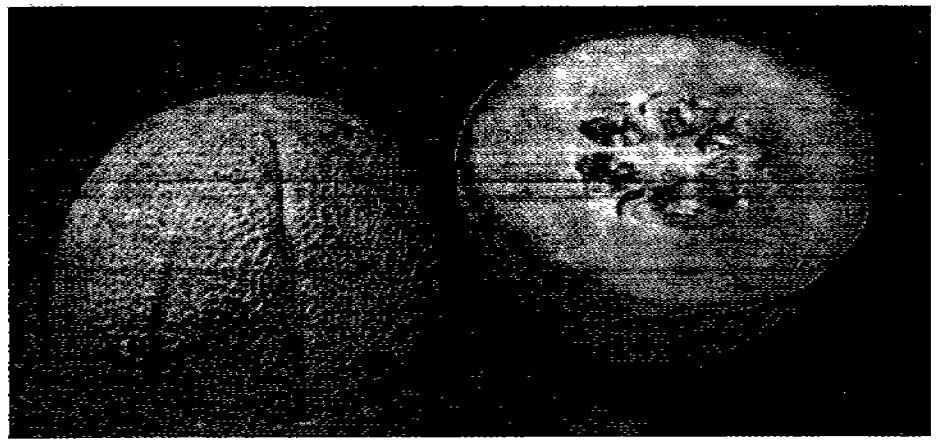
LEAFLET 82 MARCH 1971



GULFCOAST—a sweet cantaloupe for the produce chain store market

JOSEPH D. NORTON*

GULFCOAST, a new cantaloupe variety adapted for growing in Southeastern United States, has been released by Auburn University Agricultural Experiment Station. It has relatively high resistance to downy mildew (*Pseudoperonospora cubensis*) and powdery mildew (*Erysiphe cichoracearum*) and high resistance to gummy stem blight (*Mycospharella citrullina*). The variety produces high yields of excellent quality fruit suitable for packing for the commercial market.

Prevalence of foliar diseases, particularly downy mildew and gummy stem blight, and susceptibility of existing varieties to these diseases has discouraged the growing of cantaloupes in the Southeast. Introduction of the high quality, disease resistant variety Southland (3) in 1970 demonstrated that high quality fruits could be produced in this humid region. Because of its large fruit size, Southland is not suitable for packing for the commercial market. However, Gulfcoast produces smaller fruits that meet needs of the commercial market.

* Associate Professor, Department of Horticulture.

ORIGIN

Gulfcoast originated at Auburn from a program of backcrossing and inbreeding to obtain resistance to gummy stem blight, downy mildew, and powdery mildew. It is an inbred line from the cross AC-63-11 x PI 140471, as shown by the pedigree on page 2. Following the cross, a backcrossing and disease screening program was followed with selection of dis-

AGRICULTURAL EXPERIMENT STATION
E. V. Smith, Director AUBURN UNIVERSITY Auburn, Alabama

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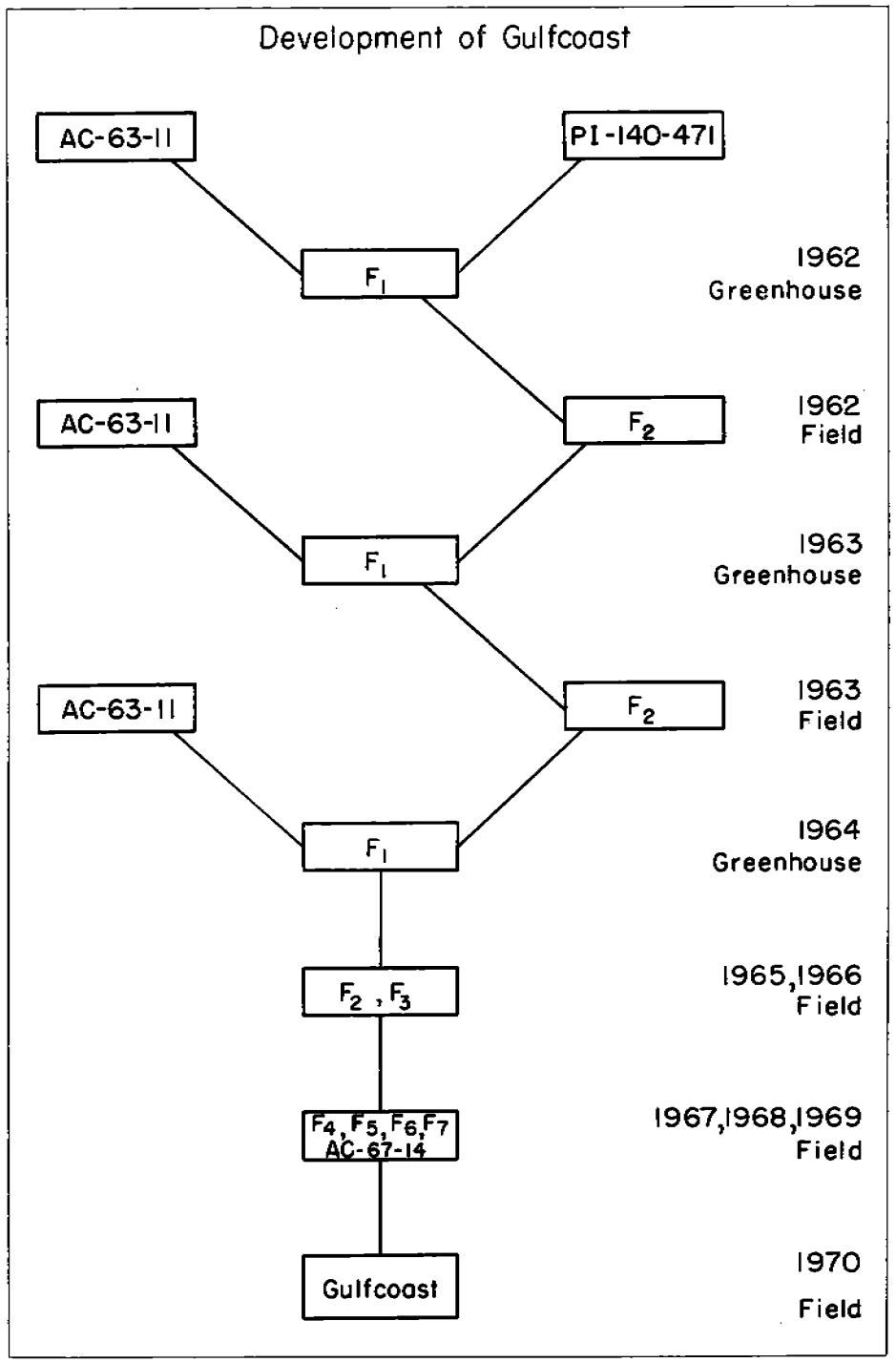

ease resistant seedlings that produced high quality fruit.

DISEASE RESISTANCE

Gulfcoast has been rated for resistance to gummy stem blight, downy mildew, and powdery mildew in tests at several locations in Alabama and other Southern States. The high level of resistance to gummy stem blight, secured from PI 140471 *(2,4)*, was incorporated into the breeding lines through a screening program that utilized an incubation chamber and greenhouse to eliminate susceptible plants from the populations. Resistance to downy mildew and powdery mildew was obtained from Georgia 47 and Florisun through AC-63-11 *(1)*. Gulfcoast plants exhibited excellent general disease resistance in field plantings during 1967-70.

FRUIT

The fruits of Gulfcoast are mostly round or round-oval in shape, although many are more rounded than round-oval. They are slightly ribbed and well covered with a medium net. Fruit size varies at different fertility levels and in different production areas, but averages close to 2¾ pounds with a diameter of 5-6 inches, see table. Adequate size for the commercial pack of 24 and 27 size melons may be assured with adequate fertility and irrigation. Since this is smaller than "Jumbo" melons, the grower should either market them with wholesale produce buyers or with other outlets for high quality fruit.

The fruit are very firm and adapted to handling in commercial markets. Flesh is firm at the full slip stage, but it softens to an excellent condition for dessert quality in 3 to 4 days.

The flesh is thick, deep orange in color, and of excellent flavor and aroma. Seed cavity is small. The fruit matures in 70-75 days, approximately the same as Hales Best Jumbo and Southland.

Gulfcoast has been grown as AC-67-14 in trials at Auburn and at a number of substations of the Auburn University Agricultural Experiment Station, in the Southern Cooperative Cantaloupe Variety Trials in other Southeastern States, and in demonstration plantings by commercial growers.

Gulfcoast compares favorably with established varieties in shipping quality and edible quality as indicated by taste and soluble solids, see table.

AVERAGE YIELD, FRUIT WEIGHT, AND SOLUBLE SOLIDS OF CANTALOUPE VARIETIES GROWN IN FIVE ALABAMA LOCATIONS, 1964-1970

Variety	Average all locations		
	Yield per acre	Fruit weight	Soluble solids
	Lb.	*Lb.*	*Lb.*
Gulfcoast*	18,347	2.72	12.7
Southland	18,838	3.02	11.8
Hales Best Jumbo	10,288	2.77	6.6
Edisto 47	17,180	3.05	10.2

* Averages for Gulfcoast are for 1967, 1968, 1969, and 1970 only.

ACKNOWLEDGMENTS

The author gratefully acknowledges the assistance of Grover Sowell, Jr., Pathologist, USDA Southeastern Plant Introduction Station, Experiment, Georgia, for discovery of resistance to *Mycosphaerella citrullina* and for counseling in screening techniques with the organism. The mode of inheritance of resistance to *Mycosphaerella citrullina* was determined by Krishna Prasad, former graduate assistant, Department of Horticulture, Auburn University. Essential assistance was rendered by C. C. Carlton and K. C. Short, Chilton Area Horticulture Substation, in increasing seed for grower trials and conducting variety trials.

Valuable assistance was rendered by G. T. Sharman, Foundation Seed Stocks Farm; Jordan Langford, Plant Breeding Unit; M. H. Hollingsworth, North Alabama Horticulture Substation; H. F. Yates and J. E. Barrett, Gulf Coast Substation; and C. A. Brogden, Wiregrass Substation, in increasing seed and conducting yield trials.

The assistance of participants in the Southern Cooperative Cantaloupe Variety Trials is also acknowledged.

LITERATURE CITED

(1) JAMISON, F. S., J. MONTELARO, AND J. D. NORTON. 1962. Two New Cantaloupes for Florida Growers. Univ. of Fla. Agr. Exp. Sta. Cir. S-139A.

(2) NORTON, JOSEPH D. 1968. Southland Cantaloupe—Auburn Developed Variety Fits Southern Need. Auburn Univ. (Ala.) Agr. Exp. Sta. Highlights of Agr. Res. Vol. 15, No. 4.

(3) ———————————. 1970. Southland —A Large Cantaloupe for the South. Auburn Univ. (Ala.) Agr. Exp. Sta. Leaf. 79.

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(5) SOWELL, GROVER, KRISHNA PRASAD, AND J. D. NORTON. 1966. Resistance of *Cucumis melo* Introductions to *Mycosphaerella citrullina*. Plant Dis. Rep. 50:661-663.