No. 7600014

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Quali-Sel, Inc.

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 (7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Gila'

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* 18th *day of* May *in the year of our Lord one thousand nine hundred and* seventy-eight

Attest:

Acting

Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

Secretary of Agriculture

(12-15-72)

AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

1. VARIETY NAME OR TEMPORARY DESIGNATION GILA	2. KIND NAME LETTUCE	FOR OFFICIAL USE ONLY PV NUMBER 7600014
3. GENUS AND SPECIES NAME LACTUCA SATIVAL	4. FAMILY NAME *(Botanical)* COMPOSITAE	FILING DATE 11/11/75 — TIME 10:00 A.M.
	5. DATE OF DETERMINATION AUGUST 1, 1973	FEE RECEIVED $ 250.00 — BALANCE DUE $ 11-11-75 $ 250.00 — $ 2-22-77 $ 250.00 — $ 4-27-78
6. NAME OF APPLICANT(S) QUALI-SEL, INC.	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)* 11 West Laurel, Suite 125 Salinas, California 93901	8. TELEPHONE AREA CODE AND NUMBER (408) 443-1013
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: *(Corporation, partnership, association, etc.)* CORPORATION	10. STATE OF INCORPORATION CALIFORNIA	11. DATE OF INCORPORATION MARCH 1, 1972

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

George J. Netter, Esq.
Kendrick & Subkow
Suite 1260
612 So. Flower Street
Los Angeles, Calif. 90017

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
- [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.

September 20, 1975
(DATE)

Nathan J. Olin
(SIGNATURE OF APPLICANT)
President
NATHAN J. OLIN

(DATE)

(SIGNATURE OF APPLICANT)

7600014

VARIETY: GILA

EXHIBIT A

Origin and Breeding History of the Variety

1. Gila originated from a hand pollinated cross between Climax and Calmar. The cross was made in the Salinas Valley of California in 19~~75~~69. 5/9/78

2. Initial trial plantings were conducted in 1971 to allow for individual plant selection work. Follow up plantings were conducted to allow for segregation and further selection work. Selections were made on the basis of texture, size and heading tendencies.

3. The procedures involving trial plantings, evaluations and plant selections were repeated numerous times before attaining the desirable type. These plantings were conducted in Arizona and California with the final selection process taking place in the Salinas Valley of California.

4. Gila is genetically uniform and free of any distinct variation.

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VARIETY: GILA

EXHIBIT B

Botanical Discription of The Variety

Annual, a crisphead variety with medium sized frame. Wrapper leaves provide similar head protection as is seen in the variety Calmar. Wrapper leaf is similar to Calmar in size and smoothness.

Head is spherical. Butt of plant is medium smooth (similar to Calmar). Adapted for April harvest in the Salinas Valley of California. Will produce a 5½" to 6" diameter sized head under normal weather conditions.

Seedstalk of medium height, very uniform. Produces a medium sized panicle and is an average seed yielder. Seed color is white.

FORM GR-471
(4-3-72)

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

EXHIBIT C

GILA
PVP Appl. No. 7600014

OBJECTIVE DESCRIPTION OF VARIETY
(LETTUCE)

INSTRUCTIONS: See reverse.

NAME OF APPLICANT(S)
QUALI-SEL, INC.

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)
11 West Laurel Dr., Suite 125
Salinas, California 93901

FOR OFFICIAL USE ONLY
PVPO NUMBER
297 - 1 - 7600014
VARIETY NAME OR TEMPORARY DESIGNATION
GILA

Place the appropriate number that describes the varietal character of this variety in the boxes below.

1. PLANT TYPE: [4 2]
10 = CUTTING (Leaf) 20 = STALK
50 = BUTTERHEAD 60 = LATIN
70 = OTHER (Specify) _____

30 = COS
31 = SELF-CLOSING GROUP
32 = LOOSE-CLOSING GROUP

40 = CRISPHEAD
41 = IMPERIAL GROUP
42 = GREAT LAKES GROUP
43 = VANGUARD
44 = NEW YORK GROUP

2. SEED COLOR: [1]
1 = WHITE 2 = BLACK 3 = YELLOW

3. ANTHOCYANIN: [1]
1 = ABSENT 2 = PRESENT

4. LEAF CONTAINING ANTHOCYANIN: [4]
1 = COVERED 2 = SPOTTED 3 = ALONG MARGIN 4 = ABSENT 5 = OTHER (Specify) _____

5. LEAF SURFACE TEXTURE: [2]
1 = SMOOTH 2 = BLISTERED

6. LEAF SURFACE REFLECTANCE: [2]
1 = DULL 2 = GLOSSY 3 = OTHER (Specify) _____

7. LEAF MARGIN: [3]
1 = STRAIGHT 2 = WAVY
3 = CURLED

[2]
1 = ENTIRE 2 = DENTATE 3 = INCISED
4 = DEEPLY INCISED 5 = OTHER (Specify) _____

8. LEAF SHAPE: [1]
1 = ROUNDED 2 = POINTED

[1]
1 = BROADER THAN LONG 2 = LONGER THAN BROAD 3 = OTHER (Specify) _____

9. LEAF COLOR: (See reverse.) [7]
1 = RED 2 = REDDISH-BROWN 3 = YELLOW 4 = YELLOWISH-GREEN 5 = GREYISH-GREEN
6 = BLUE-GREEN 7 = DARK-GREEN 8 = VERY DARK GREEN

10. HEADS: [1]
1 = SPHERICAL 2 = FLATTENED 3 = ELONGATE
4 = POINTED 5 = NON-HEADING

11. PLANT SIZE: (See reverse.) [2]
1 = SMALL 2 = MEDIUM 3 = LARGE

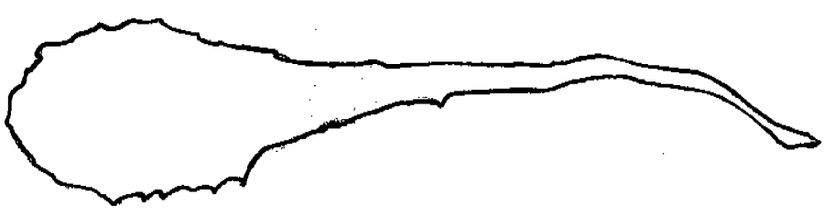
12. CULTURE:
5& [2] 1 = SUMMER CROP 2 = WINTER CROP 3 = NOT SPECIFIC 4 = UNDER GLASS 5 = OTHER (Specify) Early Summer

13. SIZE OF 10-DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) **AT 25° C.:** (Place a zero in first box (i.e. [0 2]) when size is 9 mm. or less.)
[7 5] mm. LENGTH OF SEEDLING [1 4] mm. LENGTH OF COTYLEDON [0 3] mm. WIDTH OF COTYLEDON

14. DISEASE RESISTANCE TO: (Enter zeroes in box(es) where there is no special disease resistance.)
[0] 1 = TIPBURN [0] 2 = MOSAIC [1] 3 = DAMPING OFF [1] 4 = DOWNY MILDEW
[0] 5 = SCLEROTINIA ROT [1] 6 = BROWN BLIGHT [1] 7 = BIG VEIN [ ] 8 = OTHER (Specify) _____

0 -Susceptible
1 -Not tested

15. OUTLINE THE FOURTH LEAF: (For standardization purposes, the fourth leaf should be taken from a 20-day old plant grown under constant light.)



4

PVP Application Number
7600014

VARIETY: Gila

EXHIBIT D: Data Indicative of Novelty

GILA most closely resembles the variety Calmar. Its distinguishing features when compared to Calmar include:

1. It is from 3 to 5 days earlier in reaching market maturity.

2. Its greatest advantage is that it will produce a larger head size than Calmar when planted in season (winter).

3. Its leaf surface is more blistered than Calmar.

4. Its range of adaptability is more restrictive than Calmar.

7600014

VARIETY: GILA

EXHIBIT E

The applicant is the breeder, all rights have been assigned to QUALI-SEL, INC.

Bruce Church, Inc.

November 8, 1988

United States Department of Agriculture
Agricultural Marketing Service
Warehouse and Seed Division - Plant Variety Protection Office
National Agricultural Library Bldg., Room 500
10301 Baltimore Boulevard
Beltsville, Maryland 20705

TO WHOM THIS MAY CONCERN:

Quali-Sel Seed has gone out of business, effective December 7, 1987. Would you please send future correspondence to Vic Heintzberger at:

Vic Heintzberger
Manager, Research & Development
Bruce Church, Inc.
P. O. Box 80599
Salinas, CA 93912-0599

Thank you.

Sincerely,

Jean Polk

Jean Polk
Bruce Church, Inc.

2-8-89
Active Certificates
listed as Quali-Sel.
7400019
7400024
7600014
7800082
7800084
8000134
8200023

RECEIVED
AMS

P.O. BOX 80599 • SALINAS, CALIFORNIA 93912-0599 • AREA CODE (408) 758-4421

FORM GR-471 (REVERSE)

16. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	NAME OF VARIETY
Leaf color	Calmar
Leaf pigmentation	Calmar
Leaf shape	Climax
Plant size	Calmar
Head size	Climax

VARIETY	NO. OF DAYS TO HEAD MATURITY UNDER WINTER CROPPING	LOCATION	NO. OF DAYS TO HEAD MATURITY UNDER SUMMER CROPPING	LOCATION	NO. OF DAYS TO SEED STALK EMERGENCE UNDER SUMMER CROPPING	LOCATION
Submitted	92	Yuma, Ariz	60	Pajaro Valley Watsonville,Ca.	91	San Joaquin Valley
Similar	97	Yuma, Ariz	66	" "	97	San Joaquin Valley
Name of similar variety →	Calmar		Calmar		Calmar	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

1. C. M. Rodenburg, 1960, Varieties of Lettuce, An International Monograph, Institunt Voor de Veredeling van Tuinbouwgewassen, Wageningen, Holland.

2. L. L. Morse, 1930, Field Notes on Lettuce, published by Ferry-Morse Seed Co.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following lettuce varieties may be used as a guide to identify the eight colors listed on the form.

Color	Variety
Red	"Salad Trim"
Reddish-brown	"Ruby"
Yellow	"Salad Bowl"
Yellowish-green	"Oakleaf"
Greyish-green	"White Boston"
Bluish-green	"Bibb"
Dark-green	"Imperial" group
Very dark green	"Deer Tongue"

PLANT SIZE: The following varieties may be used as a guide to identify the plant type size:

TYPE	COMPARABLE VARIETIES		
	SMALL	MEDIUM	LARGE
Cutting (leaf)	Boston-Curled	Prize Head	Grand Rapids
Stalk (stem)	Celtuce	--	--
Cos	Express	Parris Island	Giant White
Crisphead	Mignonette	Hanson (Merit)	Climax
Butterhead	Tom Thumb	Big Boston	Mammoth Butter
Latin	Sucrine	Creole	Deer Tongue