No. 7400010

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

LETTUCE

'Red Coach 74'

PLANT VARIETY PROTECTION OFFICE · U.S. DEPARTMENT OF AGRICULTURE

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* eighth *day of* April *in the year of our Lord one thousand nine hundred and* seventy-five

Attest:

R. 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 RED COACH 74	2. KIND NAME Lettuce	FOR OFFICIAL USE ONLY PVPO NUMBER 7400010
3. GENUS AND SPECIES NAME Lactuca sativa L.	4. FAMILY NAME *(Botanical)* Compositae	FILING DATE 8·28·73 / TIME 8:00 A.M.
	5. DATE OF DETERMINATION June 22, 1972	FEE RECEIVED $ 750·00 / CHARGES —
6. NAME OF APPLICANT(S) ~~B. C. SEEDS, INC.~~ QUALI-SEL, INC.	7. ADDRESS *(Street and No. or R.F.D. No., City, State, and ZIP Code)* 1143 Madison Lane Salinas, Ca. 93901	8. TELEPHONE AREA CODE AND NUMBER (408) 422-8500 or 422-6489
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 and Subkow
Suite 1260
612 South Flower Street
Los Angeles, California 90017

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

Requested "70" N. 1.6.75

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.)* [ ] ~~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?

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).

August 20, 1973
(DATE)

Nathan J. Olivas
(SIGNATURE OF APPLICANT)
Nathan J. Olivas President
1

(DATE)

(SIGNATURE OF APPLICANT)

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.

AUG 28 1973
PVPO

Plant Variety Protection Number: 7400010
RED COACH 74

EXHIBIT A

Origin and Breeding History of the Variety

1. RED COACH 74 originated from a hand pollinated cross between Climax and Vanguard. The cross was made in the Salinas Valley of California in 1969.

2. Initial trial plantings were conducted in 1970 to allow for individual plant selections. Several trial plantings followed the initial selection work to allow for segregation and more comprehensive evaluations and selections. Selections made were based upon size, color, texture, and resistance to rusty rib. The procedures involving trial plantings, evaluations, and plant selections were repeated numerous times before finally attaining the desirable type. These plantings were conducted in Yuma, Arizona, the Salinas and Imperial Valleys of California.

3. RED COACH 74 is resistant to rusty rib and genetically uniform and free of any distinct variations.

PLANT VARIETY PROTECTION NO. 7400010

RED COACH 74

EXHIBIT B

Botanical Description of the Variety:

Annual. A crisphead variety with medium sized frame. Wrapper leaves heavily savoyed with dull "Vanguard" shade of green color. Wrapper leaves are broad and thick providing similar head protection as "Vanguard".

Head is spherical. Butt of plant is medium smooth with good color (similar to Vanguard). Petioles medium smooth. For mid-winter harvest in the Imperial Valley this variety will usually produce a larger head than Vanguard.

Seedstalk very uniform in height. Produces a very broad panicle and is a heavy seed yielder. Seed color is black.

FORM GR-471
(4-3-72)

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

EXHIBIT C

OBJECTIVE DESCRIPTION OF VARIETY
(LETTUCE)

INSTRUCTIONS: See reverse.

NAME OF APPLICANT(S)
QUALI-SEL, INC. (formerly B C Seeds, Inc.)

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)
1143 Madison Lane, Salinas, Ca 93901
(P.O. Box 1804, Salinas, Ca 93901)

FOR OFFICIAL USE ONLY
PVPO NUMBER
297 - 1 - 1400010
VARIETY NAME OR TEMPORARY DESIGNATION
RED COACH 74

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

1. PLANT TYPE: [4][3]
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: [2]
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: [1]
1 = DULL 2 = GLOSSY 3 = OTHER (Specify) _____

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

[1]
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: [2]
1 = SUMMER CROP 2 = WINTER CROP 3 = NOT SPECIFIC 4 = UNDER GLASS 5 = OTHER (Specify) _____

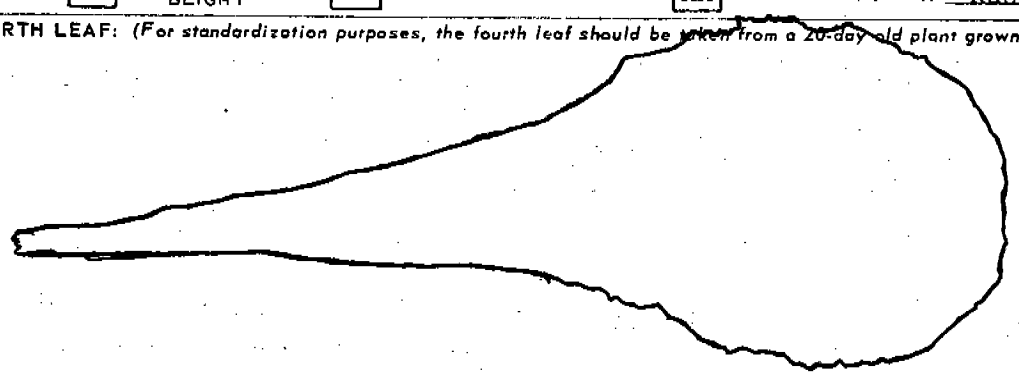
13. SIZE OF 10-DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) **AT 25° C.:** (Place a zero in first box (i.e. [0][2]) when size is 9 mm. or less.)

[7][4] mm. LENGTH OF SEEDLING [1][6] mm. LENGTH OF COTYLEDON [0][4] mm. WIDTH OF COTYLEDON

14. DISEASE RESISTANCE TO: (Enter zeroes in box(es) where there is no special disease resistance.)

[ ] 1 = TIPBURN [ ] 2 = MOSAIC [ ] 3 = DAMPING OFF [ ] 4 = DOWNY MILDEW
[ ] 5 = SCLEROTINIA ROT [ ] 6 = BROWN BLIGHT [ ] 7 = BIG VEIN [XX] 8 = OTHER (Specify) Rusty Rib

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



Plant Protection Number

7400010

RED COACH 74, Lettuce

VARIETY: Red Coach 74

EXHIBIT D: Data Indicative of Novelty

RED COACH 74 was developed to replace the variety Climax for winter harvest in the Southwestern United States.

Its distinguishing features include:

1. It most closely resembles the variety Vanguard but differs by having a darker green color and producing a larger head for market in the mid-winter period.
2. It matures from 3-5 days earlier than Vanguard.
3. Unique in that it is Rusty Rib resistant and is adapted for mid-winter harvest in the Southwest. Vanguard is not adapted for mid-winter harvest.

7400010

VARIETY: Red Coach 74

EXHIBIT E:

The applicant is the breeder. All rights have been assigned to Quali-Sel, Inc.

EXHIBIT D

to
ASSET ACQUISITION AGREEMENT
by and between
BRUCE CHURCH, INC., a California corporation,
and
KONINKLIJKE ZAAIZAADBEDRIJVEN GEBROEDERS SLUIS, B.V.,
a corporation formed under the laws of The Netherlands

ASSIGNMENT OF PLANT VARIETY PROTECTION CERTIFICATES

WHEREAS, BRUCE CHURCH, INC., a California corporation the mailing address for which is P.O.Box 80599, Salinas, California U.S.A., 93912-0599, is the owner of certain Plant Variety Protection Certificates issued either to BRUCE CHURCH, INC., or to QUALI-SEL, INC., a Delaware corporation by the Plant Variety Protection Office or by the United States Department of Agriculture, all as listed below (referred to collectively as the PVPs"); and

WHEREAS, KONINKLIJKE ZAAIZAADBEDRIJVEN GEBROEDERS SLUIS, B.V., a corporation formed under the laws of The Netherlands, the mailing address for which is Post Box 22, 1600 AA Enkuisen, The Netherlands, is desirous of acquiring the PVP's and the certificates and application thereof;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, BRUCE CHURCH, INC and QUALI-SEL, INC., hereby assigns to KONINKLIJKE ZAAIZAADBEDRIJVEN GEBROEDERS SLUIS, B.V. all right, title and interest in and to the PVPs.

The Plant Variety Protection Office is requested to record the assignment of the PVPs in accordance with Section 101 of the Plant Variety Protection Act (7 U.S.C. 2531).

PVP Certificate Number	Date of Issuance	Owner	Name of Variety	PVP Issued To
7400010	April 8, 1975	Bruce Church, Inc.	Red Coach 74	Quali-Sel, Inc.
8600108	January 15, 1988	Bruce Church, Inc.	Vancrisp	Quali-Sel, Inc.
7800014	April 20, 1978	Bruce Church, Inc.	Winter Supreme	Bruce Church, Inc.
8000043	May 15, 1980	Bruce Church, Inc.	Viva II	Bruce Church, Inc.
7800062	June 22, 1978	Bruce Church, Inc.	Blanco	Quali-Sel, Inc.
7900095	January 2, 1980	Bruce Church, Inc.	Viva	Bruce Church, Inc.

Note: The PVP name "Viva" had been changed to "Diplomat", the name change has been approved by the U. S. Department of Agriculture, Livestock and Seed Division. See attached correspondence relative to name change being processed by the Plant Variety Protection Office.

This assignment is executed this 7th day of March, 1988, at Salinas, California.

Quali-Sel, Inc.

By _____

Its Vice President

Bruce Church, Inc.

By _____

Its President

Acknowledgement for Corporation

State of California)
) SS
County of Monterey)

On this 7th day of March, in the year 1988, before me Edward H. Taylor, personally known to me to be the person who executed the within instrument as vice president of Quali-Sel, Inc. and president of Bruce Church, Inc. and acknowledged to me that the corporation executed it.

OFFICIAL SEAL
ROBIN F. AINSWORTH
Notary Public–California
MONTEREY COUNTY
My Comm. Exp. Sep. 1, 1990

_____
Notary Public

16. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

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

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	Approximately 120 days	Imperial Valley	56-60 days	San Joaquin Valley	Approximately 105	San Joaquin Valley
Similar	Approximately 125 days	Imp. Valley	56-60 days	San Joaquin Valley	Approximately 105	San Joaquin Valley
Name of similar variety →	Climax		Climax		Climax	

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