

No.

8900106



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

NESTLE S.A.

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

PEA

'Reco'



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, D.C. this 31st day of July in the year of our Lord one thousand nine hundred and ninety-two.

Attest:

Kenneth Howard
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Edward Madigan
Secretary of Agriculture

APPROVAL EXPIRES 4-30-85

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

FORM APPROVED: OMB NO. 0581-0055

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) NESTEC S.A.		2. TEMPORARY DESIGNATION	3. VARIETY NAME Reco SMS 7/10/90
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 55; Avenue Nestlé 1800 VEVEY, Switzerland		5. PHONE (Include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER 8900106
6. GENUS AND SPECIES NAME Pisum Sativum	7. FAMILY NAME (Botanical) Leguminosae		FILING DATE Mar. 6 1989 TIME 2:00 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.
8. KIND NAME Pea	9. DATE OF DETERMINATION December 1986 AAA 23 Jul 1992 per letter 18 Jul 1992		FEE RECEIVED AMOUNT FOR FILING \$ 1800 ⁰⁰ DATE Jan. 6 1989 AMOUNT FOR CERTIFICATE \$ 200 ⁰⁰ DATE July 13 1992
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation			12. DATE OF INCORPORATION
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Switzerland			
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS VOGT & O'DONNELL 707, Westchester Av. WHITE PLAINS, N.Y. 10604, U.S.A. PHONE (Include area code):			
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED			
a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)			
b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement.			
c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of Variety (Request form from Plant Variety Protection Office.)			
d. <input type="checkbox"/> Exhibit D, Additional Description of Variety.			
e. <input checked="" type="checkbox"/> Exhibit E, Statement of the Basis of Applicant's Ownership.			
15. 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) of the Plant Variety Protection Act.) <input type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input checked="" type="checkbox"/> No			
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No		17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> Foundation <input type="checkbox"/> Registered <input type="checkbox"/> Certified	
18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.? <input type="checkbox"/> Yes (If "Yes," give date) <input checked="" type="checkbox"/> No			
19. HAS THE VARIETY BEEN RELEASED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input checked="" type="checkbox"/> No			
20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request 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 Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT 			DATE 19 DEC. 1988
SIGNATURE OF APPLICANT			DATE

ORIGIN AND BREEDING HISTORY - RECO GARDEN PEA

Reco was developed in Sweden. The variety is the result of a cross between Bikini and X123, made in 1980. All plants with leaflets were discarded in F2 and only semi-leafless plants were harvested. A single plant selection was done in F3 and carried to F9 with selection for good pod setting, high yield and good quality after freezing. The breeding line was tested under the code-number X353.

Reco appears to be uniform and stable. Among varieties known by me, Reco is most similar to Danu. Reco differs from Danu by:

- shorter stems
- shorter pods
- more peas per pod
- less downy mildew infection on pods
- two days earlier maturity for freezing

Bjuv December 12, 1988



/Rolf Stegmark/

ZETA
MATTPOST

ADDITIONAL
EXHIBIT B

Novelty declaration

I, the undersigned, applying for protection of a plant variety of the species *Pisum sativum* denominated Reco, hereby declare that the plant variety is a novelty and has not been commercialized anywhere.

Among varieties known by me, Reco is most similar to Bikini and Danu. Reco differs from Bikini by lack of fasciation. Reco differs from Danu by a shorter stem.

Mean stem length (cm) in eight trials, each trial including both Reco and Danu, during the years 1987-1989:

	Trial								Mean value
	1	2	3	4	5	6	7	8	
Reco	69	69	47	56	60	48	44	55	56.0
Danu	80	77	57	74	65	53	56	60	65.3

Analysis of variance:

Source of variance	df	MS	F-value
Variety	1	342.25	33.39
Trial	7	190.82	18.62
Residual	7	10.25	

Bjuv, September 4, 1991



Rolf Stegmark

8. PODS:

1 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 2 End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)
 3 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman)
 4 Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE
 5 CM. LENGTH MM. WIDTH (Between sutures) 6 NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

3 Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) _____
 Seive: % 1 2 3 4 5 6 7 8 AVERAGE

SEEDS (Dry, Mature):

1 Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED
 3 Surface: 1 = SMOOTH 2 = DIMPLED Surface: 1 = SHINY 2 = DULL
 3 = WRINKLED
 1 Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED
 4 Primary Color: 1 = CREAMY-WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN
 Secondary Color: 5 = DARK GREEN 6 = BLUE-GREEN 7 = YELLOW 8 = BROWN 9 = RED
 10 = GRAY 11 = BLACK
 Hilum Floor Color: 1 = WHITE 2 = TAN 1 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE
 17 GRAMS PER 100 SEEDS

10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

0 FUSARIUM WILT 0 NEAR-WILT 1 DOWNY MILDEW
 0 ASCOCHYTA BLIGHT 0 POWDERY MILDEW 0 BACTERIAL BLIGHT
 0 MOSAIC 0 PEA ENATION MOSAIC 0 YELLOW BEAN MOSAIC
 OTHER (Specify) _____

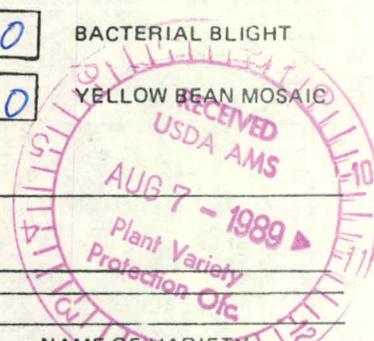
11. INSECT: (0 = Not Tested; 1 = Susceptible; 2 = Resistant)

0 APHIDS OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	DANU	Fresh Seed Color	BIKINI
Leaf Color	DANU	Mature Seed Color	BIKINI
Pod Color	BIKINI	Seed Shape	BIKINI
Pod Shape	BIKINI	Plant Habit	Danu

COMMENTS:



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STATEMENT OF APPLICANT'S OWNERSHIP

I, the undersigned Rolf Stegmark, plant breeder at Nordreco AB, is the breeder of the garden pea variety Reco. I hereby declare that I have assigned to Nestec all rights to registration of Reco, including the right to apply for plant variety protection in Sweden and abroad.

Bjuv, December 12, 1988



/Rolf Stegmark/