

No.

8500013



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Cebeco-Handelsraad, Neth.

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

PEA

'Belinda'

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 March in the year of our Lord one thousand nine hundred and eighty-six.

Attest:

Kenneth W. Hill
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Richard E. Lyon
Secretary of Agriculture



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APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1. NAME OF APPLICANT(S) Cebeco-Handelsraad		2. TEMPORARY DESIGNATION Cebeco 406		3. VARIETY NAME BELINDA	
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) Blaak 31, P.O. Box 182 3000 AD ROTTERDAM, Holland		5. PHONE (Include area code) 010-544911		FOR OFFICIAL USE ONLY PVPO NUMBER 8500013	
6. GENUS AND SPECIES NAME Pisum sativum L.		7. FAMILY NAME (Botanical) Leguminosae		FILING DATE 10/15/84 TIME 2:30 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.	
8. KIND NAME Pea		9. DATE OF DETERMINATION november 1978		FEE RECEIVED AMOUNT FOR FILING \$ 1,800 DATE 10/15/84	
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Agricultural cooperative				AMOUNT FOR CERTIFICATE \$ _____ DATE _____	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Rotterdam, Holland				12. DATE OF INCORPORATION 01-07-1899	

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

International Seeds Inc.
 P.O. Box 168, 820 First Street
 HALSEY, Oregon 97348
 U.S.A.

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

a. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)

b. Exhibit B, Novelty Statement

c. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)

d. Exhibit D, Additional Description of the Variety

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.)

Yes (If "Yes," answer items 16 and 17 below) No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

Yes No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?

Foundation Registered Certified

18. DID THE APPLICANT(S) FILE FOR PROTECTION OF THE VARIETY IN THE U.S. OR OTHER COUNTRIES?

Holland	17-01-1980	West-Germany	12-12-1980	<input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates)
France	23-01-1980	Denmark	16-01-1981	
United Kingdom	31-01-1980	MARKETED IN EUROPE 7/1/82 P/S 1/18/86		
MARKETED IN U.S.A. 3/1/85				

No

19. HAVE RIGHTS BEEN GRANTED IN THE U.S. OR OTHER COUNTRIES?

Holland	07-01-1982	<input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates)
United Kingdom	17-12-1982	
West-Germy	12-12-1983	

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 Nationale coöperatieve aan- en verkoop- vereniging voor land- en tuinbouw b.a. CEBECO-HANDELSRAAD	DATE Rotterdam, 19-7-1984
SIGNATURE OF APPLICANT	DATE

NOTE: THERE HAS BEEN A CHANGE IN THE FEES.

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$1,000 fee (\$500 filing fee and \$500 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain, and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. [See section 180.175 of the Regulations and Rules of Practice (as amended November 8, 1982).] Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 14a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 14b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 14d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 15 If "Yes" is specified (*seed of this variety be sold by variety name only as a class of certified seed*) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (*See section 180.16 of the Regulations and Rules of Practice.*)
- 16 See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

BELINDA - white pea

Exhibit A

13A Origin and Breeding History of the Variety

Belinda white pea is derived from the cross Finale x Cebeco 67-102 made in 1971 by CEBECO-HANDELSRAAD. Single plant selection was made in 1975. This plant selection was followed by line selection and replicated trials.

Results of official DUS-tests in The Netherlands (RIVRO), France (INRA-GEVES), The United Kingdom (NIAB) and West Germany (Bundessortenamt) showed that Belinda is a highly uniform and stable variety. Commercial seed production is based on an advanced generation seed source that is genetically very uniform. It is almost completely homozygous because of the self-pollinated method of reproduction of peas and its highly inbred condition.

Belinda is genetically stable without any known variants. No variants were observed during seed production of the variety and in replicated progeny grow-out trials. (See annex 1)

The maintenance of the variety is done as follows:

1. line selection at the plant breeding station
2. small multiplication at the plant breeding station
3. producing pre-basic seed at the plant breeding station and/or at multiplication farms (controlled by the breeder and the official seed certification service).

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REPORT ON TESTS FOR DISTINCTNESS, UNIFORMITY AND STABILITY

Crop FIELD PEA
 Species Pisum sativum L.

Annex I

APPLICATION DATA

Application for: (a) addition to National List (b) grant of PBR

File Reference AFP 84/35

Approved name BELINDA

Breeder's designation Cebeco 406

Parentage or breeding history of variety as stated by applicant

Finale X Cebeco 67-102 in 1971

Single plant selection in 1975, after one generation of the population in the greenhouse

Name and address of breeder Cebeco - Handelsraad
PO Box 182
3000 AD Rotterdam, The Netherlands

Name and address of applicant (a) For Plant Breeders Rights as above
 (b) For National Listing (if different from (a)) as above

Name and address of U.K. agent or address for service Chaldean Ltd
c/o A J van Engefen
Chaldean Farm, Much Hadham, Herts SG10 6HU

TEST AUTHORITIES AND TEST DATA

A. England and Wales
 National Institute of Agricultural Botany,
 Huntingdon Road,
 Cambridge.

B. Scotland
 Department of Agriculture and for Scotland
 Agricultural Scientific Services,
 East Craigs, Edinburgh.

C. Northern Ireland
 Department of Agriculture for Northern Ireland
 Field Botany Division,
 Crossnacreevy, Belfast.

	1.	2.	3.	4.	5.
Years of tests	1981	1982			
Tests conducted by (reference above)	B	B			

DISTINCTNESS Clearly Distinct**FINAL** REPORT**UNIFORMITY** Satisfactory

Centre and year	Number of Variants	Description of variants
Edinburgh 1981	Nil	
Edinburgh 1982	Nil	

STABILITY Satisfactory

Remarks

Signed for N.I.A.B. _____

J L EVANS

J L Evans

Date _____

30 November 1982

for D.A.F.S. _____

F N GREEN

F N Green

Date _____

25th November 1982



EXHIBIT B

ENCLOSURE 3

Re: Letter from Plant Variety Protection Office
dated 11th December 1984;
application Belinda.

In the enclosed descriptions of the varieties Flavanda and Paloma, field peas, the points of difference from Othello are indicated. The most important points can be found in the schedule below.

	Flavanda	Paloma	Belinda	LSD 0.05	LSD 0.01
Start of flowering (days after 1st of June) (1)	7.6	11.3	8.6	1.52	2.13
1000 grain-weight (gr) (1)	343.4	294.9	317.9	15.75	22.08
straw length (cm) (2)	82.8	73.7	70.8	7.01	9.96

(1): 7 years' average

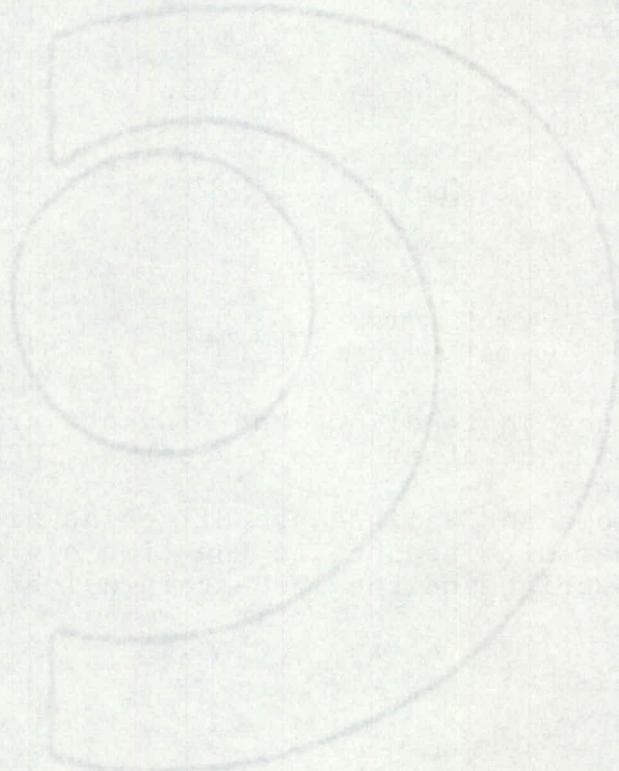
(2): 6 years' average

We see that Belinda and Flavanda are differing significantly from each other with respect to 1000-grain weight and straw length.

Paloma and Belinda are differing significantly from each other with respect to the time of the beginning of the flowering and the 1000-grain weight.

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EXHIBIT 3



RECEIVED

DEC 20 1985

U.S. DEPARTMENT



OF AGRICULTURE

AMS

PVPO

EXHIBIT BNOVELTY STATEMENT

Novelty of BELINDA is based on the unique combination of characteristics as summarized in Exhibit D and the official description made by the Department of Agriculture and Fisheries for Scotland (DAFS) at Edinburgh (see annex 1).

BELINDA was included in official distinctness tests in the United Kingdom' (Department of Agriculture and Fisheries for Scotland at Edinburgh). The results of these tests show that BELINDA most closely resembles the varieties PALOMA and FLAVANDA.

According to the results of the above mentioned official tests BELINDA differs from PALOMA by having fewer leaflets and starting flowering earlier than PALOMA, while BELINDA differs from FLAVANDA by its higher first fertile node number, its smaller seed size at green shell stage and its lower 100 seed weight (see annexes 1 and 2).

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Description of a variety of PEA *Pisum sativum* L. (Partim.)

Based on observations made at Edinburgh in 1982

Variety name: BELINDA

Reference Cebeco 406

AFP 84/35

Date description prepared: 22nd November 1982

Character	State	Note
Stem: length (after flowering)	3 short/5 medium/7 tall	5
Stem: number of nodes (up to and including 1st Fertile node)	—————	13-14
Foliage: green colour	1 yellow/2 pale/3 medium/4 grey/ 5 dark/6 blue/7 emerald	3-5
Leaflets:	1 absent/2 reduced/3 normal	3
Tendrils:	1 absent/2 normal/3 increased	2
Leaflets: size	3 small/5 medium/7 large	4-5
Leaflets: shape	1 narrow elliptic/2 elliptic/3 ovate	1
Stipules:	1 vestigial/2 normal	2
Stipules: marbling	1 absent/9 present	9
Flower: colour	1 white/9 coloured	1
Flower: number at 2nd fertile node	1 one/2 one to two/3 two/4 two to three/5 three and more	2
Flower: beginning (10% of plants)	days + or - ORFAC/ NADJA first flower + 15/	
Flower: full flowering (80% of plants)	days + or - ORFAC/ NADJA first flower + 21/	
Flower: standard petal (shape of base)	1 V-shape/2 straight/3 lobed	2-3
Pod: apex	1 pointed/2 blunt	2
Pod: parchment	1 absent/9 present	9
Pod: number at 2nd fertile node	1 one/2 one to two/3 two/4 two to three/5 three and more	2
Pod: length	3 short < 6 cm/5 medium 6 to 8 cm/ 7 long > 8 cm	5
Pod: breadth	3 narrow/5 medium/7 broad	6
Pod: shape	1 straight/2 slightly curved/3 medium curved/4 markedly curved/5 inversely curved	2
Pod: green colour	3 pale/5 medium/7 dark	3
Grain: colour (at green shell stage)	3 pale green/5 medium green/7 dark green	3
Grain: number of ovules/pod (at green shell stage)	—————	7
Grain: surface (at dry stage)	1 smooth/2 wrinkled	1
Shape of starch grains (dry seed)	1 simple/2 compound	1
Colour of cotyledons	1 green/2 yellow	2

Character	State	Note
Grain: shape (at dry stage)	1 round/2 irregular/3 elliptic/ 4 cylindric/5 other	1
Grain: testa pattern (at dry stage)	1 not patterned/3 dotted/5 marbled/ 7 dotted and marbled	1
Grain: hilum colour (at dry stage)	1 black/9 not black	9
Grain: 100 seed weight (of harvest seed at dry stage)	_____	29.2 g

GENERAL COMMENTS

Reaction to Pea Wilt: Fusarium oxysporum f. pisi ('NIAB Race 1'):- Resistant.

The most similar varieties are Paloma and Flavanda.

Belinda is earlier flowering and has fewer leaflets than Paloma.

Belinda has a higher first fertile node member and smaller seeds at green shell stage and lower 100 seed weight than Flavanda.

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
NATIONAL AGRICULTURAL LIBRARY
BELTSVILLE, MARYLAND 20705
OBJECTIVE DESCRIPTION OF VARIETY
PEA (PISUM SATIVUM)

EXHIBIT C
(Pea)

NAME OF APPLICANT(S) Cebeco-Handelsraad	VARIETY NAME OR TEMPORARY DESIGNATION BELINDA (Cebeco 406)
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P.O. Box 182, Blaak 31 3000 AD ROTTERDAM, Holland	FOR OFFICIAL USE ONLY PVPO NUMBER 8500013

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

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. TYPE:

<input type="text" value="2"/>	1 - GARDEN	2 - FIELD	3 - EDIBLE-PODDED
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2. MATURITY:

<input type="text" value="1"/> <input type="text" value="4"/>	Node number of first bloom: *	<input type="text" value="-"/> <input type="text" value="-"/> <input type="text" value="-"/>	No. of days to processing	<input type="text" value="-"/> <input type="text" value="-"/> <input type="text" value="-"/> <input type="text" value="-"/>	Heat Units
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<input type="text" value="1"/> <input type="text" value="5"/>	No. of days Earlier than *	<input type="text" value="6"/>	1 - ALASKA WR	2 - THOMAS LAXTON WR	3 - LITTLE MARVEL
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<input type="text" value="0"/> <input type="text" value="5"/>	No. of days Later than *	<input type="text" value="1"/>	4 - WANDO	5 - ALDERMAN WR	6 - AUSTRIAN WINTER
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3. PLANT HEIGHT:

<input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="3"/>	CM. HIGH
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<input type="text" value="0"/> <input type="text" value="9"/>	Cm. Shorter than	<input type="text" value="4"/>	1 - ALASKA WR	2 - THOMAS LAXTON WR	3 - LITTLE MARVEL
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<input type="text" value="1"/> <input type="text" value="0"/>	Cm. Taller than	<input type="text" value="3"/>	4 - WANDO	5 - ALDERMAN WR	6 - AUSTRIAN WINTER
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4. VINE:

<input type="text" value="1"/>	Habit: 1 - DETERMINATE 2 - INDETERMINATE	<input type="text" value="2"/>	Stockiness: 1 - SLIM (Alaska) 3 - HEAVY (Aldermen) 2 - MEDIUM (Thomas Laxton WR)
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<input type="text" value="3"/>	Branching: 1 - NONE (Alaska) 2 - 1-2 BRANCHES (Little Marvel) 3 - MORE THAN 2 BRANCHES (Dwarf Gray Sugar)
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<input type="text" value="2"/>	Internodes: 1 - STRAIGHT 2 - ZIG ZAG	\pm	<input type="text" value="2"/> <input type="text" value="0"/>	NUMBER OF NODES
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5. LEAFLETS:

<input type="text" value="4"/>	Color: 1 - LIGHT GREEN (Alaska WR) 2 - MED. GREEN (Thomas Laxton WR) 3 - DARK GREEN (Aldermen) 4 - OTHER (Specify) = as Maxi
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<input type="text" value="3"/>	Wax: 1 - NONE 2 - LIGHT 3 - MEDIUM 4 - HEAVY	<input type="text" value=""/>	1 - NOT MARBLED 2 - MARBLED (Alaska)
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<input type="text" value="4"/>	Number of leaflet pairs: 1 - NOT PAIRED 2 - ONE 3 - TWO 4 - THREE OR MORE
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6. STIPULES:

<input type="text" value="2"/>	1 - LACKING 2 - PRESENT	<input type="text" value="2"/>	1 - NOT CLASPING 2 - CLASPING
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<input type="text" value="2"/>	1 - NOT MARBLED 2 - MARBLED	<input type="text" value="3"/>	Size (Compared with leaflets): 1 - SMALLER 2 - SAME 3 - LARGER
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<input type="text" value="2"/>	Color (Compared with leaflets): 1 - LIGHTER 2 - SAME 3 - DARKER
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7. FLOWER COLOR:

<input type="text" value="2"/>	VENATION	<input type="text" value="1"/>	STANDARD	<input type="text" value="1"/>	WING	<input type="text" value="6"/>	KEEL	1 - WHITE 2 - GREENISH 3 - LAVENDER 4 - PURPLE 5 - RED 6 - OTHER (Specify) <u>white with creamy green</u> venation
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8. PODS:

2 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED 2 End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)
 2 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman)
 4 = OTHER (Specify) _____
 2 Surface: 1 = SMOOTH 2 = ROUGH 2 Surface: 1 = SHINY 2 = DULL
 2 Borne: 1 = SINGLE 2 = DOUBLE 3 = SINGLE AND DOUBLE 4 = SINGLE, DOUBLE, & TRIPEE
 5 = DOUBLE & TRIPLE 6 = TRIPLE 7 = OTHER (Specify) _____

+ 8 0 ^{mm} LENGTH ± 1 4 MM. WIDTH (Between sutures) ± 0 6 NO. SEEDS PER POD

9. SEEDS (95-100 Tenderometer):

4 Color: 1 = LIGHT GREEN 2 = GREEN 3 = DARK GREEN 4 = OTHER (Specify) greyish pale green

Seive: % 1 2 3 4 5 6 7 8 9 AVERAGE

SEEDS (Dry, Mature):

4 Shape: 1 = FLATTENED 2 = ANGULAR 3 = OVAL 4 = ROUNDED

1 Surface: 1 = SMOOTH 2 = DIMPLED 3 = WRINKLED 2 Surface: 1 = SHINY 2 = DULL

1 Color Pattern: 1 = MONOCOLOR 2 = MOTTLED 3 = STRIPED 4 = DOTTED

7 Primary Color: 1 = CREAMY-WHITE 2 = CREAM & GREEN 3 = LIGHT GREEN 4 = MEDIUM GREEN
 5 = DARK GREEN 6 = BLUE-GREEN 7 = YELLOW 8 = BROWN 9 = RED

X Secondary Color: 10 = GRAY 11 = BLACK

2 Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK 2 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE

+ 3 2 0 ¹⁰⁰⁰ GRAMS PER SEEDS = 5 years average at Lelystad, Holland

10. DISEASE: (0 = Not Tested; 1 = Susceptible; 2 = Resistant) 3 = acceptable - high level of field resistance

2 FUSARIUM WILT race 1 0 NEAR-WILT 3 DOWNY MILDEW
 2 ASCOCHYTA BLIGHT race C 3 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)

APHIDS OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	Flavanda	Fresh Seed Color	Flavanda
Leaf Color	Maxi	Mature Seed Color	Flavanda
Pod Color	Paloma	Seed Shape	Paloma/Flavanda
Pod Shape	Paloma/Flavanda	Plant Habit	Maxi

COMMENTS:

STUDIES

Exhibit D: ADDITIONAL DESCRIPTION OF THE VARIETY "BELINDA"UPOV characteristics

<u>Origin:</u>	Crossing Finale x Cebeco 67.102 in 1971
<u>Type:</u> (state for what purpose it is normally utilised)	field-pea
<u>Stem</u>	
Length after flowering:	medium (73 cm-5 years average in Holland)*
number of nodes (up to and including 1st fertile node):	13 - 14
<u>Foliage</u>	
colour:	medium - dark green
<u>Vine</u>	
Habit:	determinate
stockiness:	medium
branching:	medium to strong (2 or more)
internode:	zig-zag
total number of nodes:	20 - 22
<u>Leaflets</u>	
Glaucosity (waxiness)	medium to strong
number of leaflet pairs:	medium (till 3 pairs)
shape:	narrow elliptic
size:	small to medium
<u>Tendrils:</u>	normal
<u>Stipules</u>	
Absent or present	present
Size:	small to medium (larger than leaflets)
Shape of apex:	rounded
Colour:	same as the leaflets
Marbling:	weak to medium

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Flowering

Number of days from sowing to the first inflorescence:	61 days (5 years average in Holland) *
Colour of standard:	white
Colour of wings:	white
Colour of keel:	white with creamy-green venation
Shape of base of standard:	straight - slightly lobed

Pod

Shape:	slightly curved and blunt
Colour:	pale green
Surface:	smooth and dull
Borne:	double
Length:	7.4 - 8.2 cm
width:	13 - 15 mm
No. seeds per pod (maturity):	<u>+ 6</u>

Grain

Colour in green shell stage:	greyish-pale green
Colour: dry	yellow
Shape:	rounded
Surface:	smooth
Cotyledon colour:	yellow
1000 grain weight:	<u>+ 320 gr.</u> (5 years average in Holland) *
Hilum-floor colour:	yellowish
Protein content in dry matter:	27.1 % (5 years average in Holland)

Diseases

Fusarium oxysporum f. pisi race I:	resistant
Top yellows:	resistant
Downy mildew:	high level of field resistance

*) Lelystad

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MAIN AGRONOMIC CHARACTERS OF THE WHITE PEA VARIETY BELINDA

Yield: Top yielding variety with a consistent performance across a wide range of conditions.

Maturity: Early maturing, like FINALE, but slightly later than MIRANDA.

Disease resistance: Good field resistance to Downy Mildew. Resistant to Pea Wilt race 1.

Straw length: Short strawed like FINALE and MAXI.

Standing ability: Very good, better than MAXI and MIRANDA.

Results of yield trials in the United Kingdom

Yield comparisons - summary of trials 1981 - 1983

The statistical technique of FITTED CONSTANTS, first employed by the NIAB to more accurately compare yields of cereal varieties in trials, is now proven. Where varieties are in a different number of trials within a year, or where data is available for other seasons, the technique gives a clearer comparison than the simple mathematical mean.

Nickerson RPB's computer has a programme to undertake this analysis. Based solely on the yield for NIAB, PGRO and ADAS trials 1981/1982/1983 the following results have been obtained.

	<u>YIELD</u> (% Maro)	<u>NO. OF TRIALS</u>
BELINDA	109.2	16
IMPOSANT	107.1	26
STEHGOLT	102.5	22
BIRTE	102.4	36
PROGRETA	101.9	33
MARO	100.0	38

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BELINDA (White pea)Authorization:

The undersigned: CEBECO-HANDELSRAAD
 P.O. Box 182, Blaak 31
 3000 AD ROTTERDAM
 The Netherlands

declare that they are the owners of the new white pea variety BELINDA.

They also declare that they authorize:

International Seeds Inc.
P.O. Box 168, 820 First Street
HALSEY, Oregon 97348
U.S.A.

to submit for and on behalf of them an application for Plant Variety Protection Certificate in the U.S.A. for the pea variety BELINDA,

to prepare, sign and submit the documents necessary for that purpose and

to make all attendances upon the Plant Variety Protection Board relating to the application for Plant Variety Protection Certificate for their variety BELINDA.

Rotterdam, 19th July 1984

Nationale coöperatieve aan- en verkoop-
vereniging voor land- en tuinbouw b.a.
CEBECO-HANDELSRAAD

National Agricultural Co-operative Wholesale Society

CEBECO HANDELSRAAD

P.O. Box 182, 3000 AD Rotterdam, The Netherlands Telephone +31 10-4544911 Telex 21398 cbco nl Fax +31 10-4113889
Bank: Rabobank Nederland, Account number 30.00.00.065 Giro bank account Rabobank 5658 stating 30.00.00.065
Address: Blaak 31, 3011 GA Rotterdam

Registered No. 54.571 Rotterdam

- BY AIRMAIL
U.S. Department of Agriculture
Plant Variety Rights Office
PGGI Building 001, room 335, Barc-West
BELTSVILLE
Maryland 20705
- U.S.A.

Dept:
WVDK/tg

Direct dial number: ROTTERDAM,
4544 504 September 22, 1989

Dear Sir/Madam:

You may already know that the Plant Breeding and Seeds Departments of Cebeco-Handelsraad have integrated into the new company CEBECO ZADEN B.V.

Therefore we kindly request you to transfer all varieties, for which an application has been made or which have been entered in the name of Cebeco-Handelsraad, to the name of CEBECO ZADEN B.V.

For the sake of clarity we give you once more the full address:

CEBECO ZADEN B.V.
P.O. Box 182
3000 AD Rotterdam
the Netherlands.

Under this cover you will find a list in which we mention all varieties involved according to the latest data that we have. We shall be pleased to receive your confirmation of transfer at your earliest convenience. Any possible invoice for charges due can be sent to Cebeco Zaden BV.

Yours faithfully,

CEBECO-HANDELSRAAD
Transferrer

CEBECO ZADEN B.V.
Transferee

Rotterdam,

Rotterdam,

Nationale coöperatieve aan- en verkoop-
vereniging voor land- en tuinbouw b.a.
CEBECO-HANDELSRAAD
.....

CEBECO ZADEN B.V.
Postbus 182 - 3000 AD Rotterdam



Enclosure

Varieties of Cebeco Zaden B.V. in the USA

with PVP				
species	variety	name	date of grant	no. grant
Red fescue	Center	Center	88-01-15	8700077
Spring barley	Bellona	Bellona	85-07-26	8300085
	Apex	Apex	85-07-26	8300084
	Efron	Efron	85-10-31	8500012
Perennial ryegrass	Elka	Elka	82-02-18	8100018
White pea	Miranda	Miranda	82-10-28	8100054
	✓ Belinda	Belinda	86-03-31	8500013
Blue pea	Ricardo	Ricardo	85-08-30	8500014
	Maxi	Maxi	83-03-24	8000016
	Othello	Othello	86-03-31	8500015
application made				
Perennial ryegrass	EG 138	Surprise	88-12-19	8900062
Red fescue	Frc 137	Capitol	88-12-19	8900061
	CRU 499	Cindy		
	Frr 130	Claudia		
Kentucky bluegrass	Pp 112	Ampellia		
White pea	1415	Impala	89-1-26	8900081
	1416	Renata	89-04-04	8900145
Blue pea	Solara	Solara	88-01-29	8800056

