

No.

8500015



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

PEA

'Othello'

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 H. ...
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Richard E. Lyng
Secretary of Agriculture





1891

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 207		3. VARIETY NAME OTHELLO	
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 8500015	
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.	AMOUNT FOR FILING \$ 1,800 DATE 10/15/84
8. KIND NAME Pea		9. DATE OF DETERMINATION nov. 1978			
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Agricultural cooperative				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

<input checked="" type="checkbox"/> a. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)	<input checked="" type="checkbox"/> c. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
<input checked="" type="checkbox"/> b. Exhibit B, Novelty Statement	<input checked="" type="checkbox"/> 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	30-01-1980	<i>1ST MARKETED IN EUROPE 8/6/82 NEVER MARKETED IN U.S.A. 4/5 1/18/86</i>	<input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates)
United Kingdom	14-11-1980		<input type="checkbox"/> No
Denmark	18-11-1983		

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

Holland	08-06-1982	<input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates)
United Kingdom	17-12-1982	

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.	DATE Rotterdam, 19-7-1984
SIGNATURE OF APPLICANT CEBECO HANDELSRAAD	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.

OTHELLO - marrowfat pea

Exhibit A

13A Origin and Breeding History of the Variety

Othello marrowfat pea is derived from the cross Carpo x Cebeco 9.149-222 made in 1973 by CEBECO-HANDELSRAAD. Single plant selection was made in 1976. This single plant selection was followed by line selection and replicated yield trials.

Results of official DUS-tests in The Netherlands (RIVRO) and The United Kingdom (NIAB) showed that Othello 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.

Othello is genetically stable without any known variants. No variants were observed during seed production of the variety and in replicated progeny grow-out trials.

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)

*) see annex I

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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 84/42

Approved name OTHELLO

Breeder's designation Cebeco 207

Parentage or breeding history of variety as stated by applicant

Cebeco 201 (Carpo) x Cebeco 9.149-222 in 197
 Single plant selection in 1976, after one generation of the
 population conducted 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 Engelen
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.

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

111

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

FN Green

Date

25th November 1982

11/11/11

11/11

NOVELTY STATEMENT

Novelty of OTHELLO 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).

OTHELLO 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 OTHELLO most closely resembles the pea variety CARPO.

According to the results of the above mentioned official tests OTHELLO differs from CARPO by showing a smaller and bluer foliage, less marbling on the leaflets, a shorter stem, smaller seed and an earlier flowering date than CARPO (see annexes 1 and 2).

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EXHIBIT B

ENCLOSURE 2

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

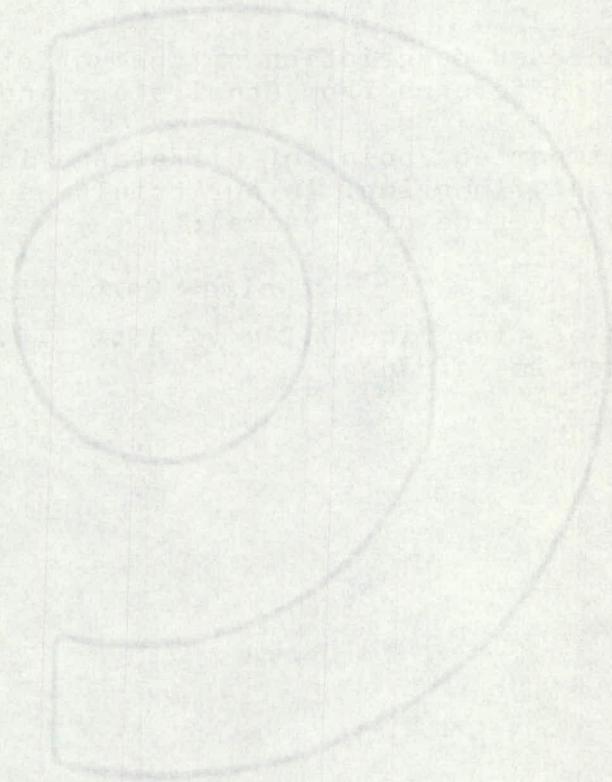
In the enclosed description of the variety Carpo, field pea, points of difference from Othello are indicated.

The most important point of difference is the time of beginning of flowering. In our trials we determined the following (average of 6 years):

	Othello	Carpo	LSD 0.05	LSD 0.01
beginning of flowering (days after 1st of June)	7.2	10.0	0.79	1.24

=====

EXHIBIT 3



RECEIVED

DEC 20 1985

U. S. DEPARTMENT



SIGNATURE

AMS

PVPO

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

8500015

Based on observations made at Edinburgh in 1982

Variety name: OTHELLO

Reference Cebeco 207

AFP 84/42

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	5
Leaflets: shape	1 narrow elliptic/2 elliptic/3 ovate	3
Stipules:	1 vestigial/2 normal	3
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 + 19/	
Flower: full flowering (80% of plants)	days + or - ORFAC/ NADJA first flower + 24/	
Flower: standard petal (shape of base)	1 V-shape/2 straight/3 lobed	
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	5
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	7
Grain: colour (at green shell stage)	3 pale green/5 medium green/7 dark green	7
Grain: number of ovules/pod (at green shell stage)	_____	6-7
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	1

1000
1000

Character	State	Note
Grain: shape (at dry stage)	1 round/2 irregular/3 elliptic/ 4 cylindric/5 other	3
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)	_____	32.8g

GENERAL COMMENTS

Closest variety is Carpo. Othello has smaller, slightly bluer foliage with less marbling on leaflets, and has shorter stem and earlier flowering. Othello is smaller seeded.

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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

OTHELLO (Cebeco 207)

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

8500015

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

Place a zero in first box (e.g. 089 or 09) when number is either 99 or less or 9 or less.

1. TYPE:

2 1 = GARDEN 2 = FIELD 3 = EDIBLE-PODDED

2. MATURITY:

+ 1 4 Node number of first bloom: - - No. of days to processing - - - Heat Units

0 3 No. of days Earlier than 6 } 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

0 5 No. of days Later than 3 } 4 = WANDO 5 = ALDERMAN WR 6 = ~~AUSTRIAN WINTER~~ Carpo

3. PLANT HEIGHT:

0 9 2 CM. HIGH 4 years average in Lelystad - Holland

2 5 Cm. Shorter than 4 } 1 = ALASKA WR 2 = THOMAS LAXTON WR 3 = LITTLE MARVEL

1 0 Cm. Taller than 3 } 4 = WANDO 5 = ALDERMAN WR 6 = AUSTRIAN WINTER

4. VINE:

1 Habit: 1 = DETERMINATE 2 = INDETERMINATE 3 Stockiness: 1 = SLIM (Alaska) 3 = HEAVY (Alderman)
2 = MEDIUM (Thomas Laxton WR)

3 Branching: 1 = NONE (Alaska) 2 = 1-2 BRANCHES (Little Marvel) 3 = MORE THAN 2 BRANCHES (Dwarf Gray Sugar)

2 Internodes: 1 = STRAIGHT 2 = ZIG ZAG + 2 1 NUMBER OF NODES

5. LEAFLETS:

2-3 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MED. GREEN (Thomas Laxton WR) 3 = DARK GREEN (Alderman)
4 = OTHER (Specify)

3 Wax: 1 = NONE 2 = LIGHT 3 = MEDIUM 1 = NOT MARBLED 2 = MARBLED (Alaska)
4 = HEAVY

3-4 Number of leaflet pairs: 1 = NOT PAIRED 2 = ONE 3 = TWO 4 = THREE OR MORE

6. STIPULES:

2 1 = LACKING 2 = PRESENT 2 1 = NOT CLASPING 2 = CLASPING

2 1 = NOT MARBLED 2 = MARBLED 3 Size (Compared with leaflets): 1 = SMALLER 2 = SAME
3 = LARGER

2 Color (Compared with leaflets): 1 = LIGHTER 2 = SAME 3 = DARKER

7. FLOWER COLOR:

2 VENATION 1 STANDARD 1 WING 6 KEEL 1 = WHITE 2 = GREENISH 3 = LAVENDER
4 = PURPLE 5 = RED
6 = OTHER (Specify) white with greenish venation

1000

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3

8. PODS:

1 Shape: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED 2 End: 1 = POINTED (Alderman) 2 = BLUNT (Alaska)
 3 Color: 1 = LIGHT GREEN (Alaska WR) 2 = MEDIUM GREEN 3 = DARK GREEN (Alderman) 4 = OTHER (Specify) _____
 1 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) _____
 + 0 9 CM. LENGTH + 1 6 MM. WIDTH (Between sutures) + 0 5 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 9 AVERAGE

SEEDS (Dry, Mature):

2 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
 5 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
 Secondary Color: 10 = GRAY 11 = BLACK
 1 Hilum Floor Color: 1 = WHITE 2 = TAN 3 = BLACK 1 Cotyledon Color: 1 = GREEN 2 = YELLOW 3 = ORANGE
 + 3 5 GRAMS PER 100 SEEDS

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

2 FUSARIUM WILT race 1 0 NEAR-WILT 1 DOWNY MILDEW *)
 2 ASCOCHYTA BLIGHT race C 1 POWDERY MILDEW 0 BACTERIAL BLIGHT
 0 MOSAIC 0 PEA ENATION MOSAIC 0 YELLOW BEAN MOSAIC
 OTHER (Specify) _____ *) good field resistance

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

0 APHIDS 0 OTHER (Specify) _____

12. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Leafiness	---	Fresh Seed Color	Carpo
Leaf Color	Maro	Mature Seed Color	Carpo
Pod Color	Carpo	Seed Shape	Carpo
Pod Shape	Carpo	Plant Habit	Carpo

COMMENTS:

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

OTHELLO marrowfatReferences

Variety name and Breeder's number: OTHELLO (Cebeco 207)

Origin: Crossing Carpo x Cebeco 9149-222

Type

(State for what purpose it is normally utilised): Field pea-edible marrowfat

Flowering

Number of days from sowing to the first inflorescence: \pm 62 days (in Holland)

Number of days earlier/later than well known variety: \pm 3 days earlier than Carpo

Plant height: 92 cm (4 years average in Lelystad, Holland)

Relative to control variety: \pm 6 cm shorter than Carpo (in Lelystad, Holland)

Vine

Habit: determinate

Stockiness: heavy

Branching: strong (more than 2 branches)

Internodes: zig-zag

Number of nodes: 20 - 22 nodes

Leaflets

Colour: medium-dark green

Shape: long ovate

Size: medium

Margins: no dentation

Apex: rounded

Number of pairs: 2 - 3 pairs

Stipules

Absent or present present

Clasping or not clasping clasping

1000

Marbling: medium to strong
Colour: the same colour as leaflets
Size: rather large

Flower

Colour of standard petal: white
Colour of wings: white
Colour of the keel: white with creamy-greenish venation
Shape of base of standard: straight
Number at 2nd. fertile node: 2 flowers

Pod

Shape: straight-slightly curved and blunt
Size: large
Length: 8.8 - 9.1 cm
Width: \pm 16 mm
Surface: smooth and dull
Colour: dark green
Number of grains per pod: \pm 5

Grain

Colour (in green shell stage): dark green
Colour (dry): green (dark)
Surface: smooth and dull
Colour of hilum floor: yellowish
Cotyledon colour: green
Shape of starch grains: simple
1000 grain weight: 354 gr. (4 years average in Lelystad, Holland)

Disease

Fusarium oxysporum f. pisi race I: resistant
Top yellows: resistant
Ascochyta blight race C: resistant
Downy mildew: moderately susceptible

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OTHELLO (marrowfat 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 marrowfat pea variety OTHELLO.

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 OTHELLO,

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 OTHELLO.

Rotterdam, 19th July 1984

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

21-11-23

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

Rotterdam,

CEBECO ZADEN B.V.
Transferee

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

