

No.

9500319



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Svalof Weibull B. A.

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, 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 TWENTY 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 CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, 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.)

POTATO, IRISH

'Agata'

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 thirty-first day of March, in the year of our Lord two thousand.

Attest:

Hen Marie [Signature]
Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

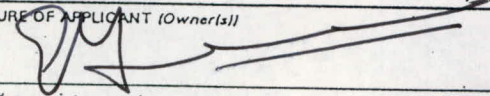


U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement 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) (as it is to appear on the Certificate) Svalöf Weibull B.V. AGRICO B.A. AAA 02 Nov 1999 per Exh E		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME AGATA
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) Nagelerstraat 41 P.O. Box 70 8300 AB EmmeLoord, Holland		5. TELEPHONE (include area code) 31-5270-39911	FOR OFFICIAL USE ONLY PVPO NUMBER 9500319 DATE Sept 18, 1995 FILING AND EXAMINATION FEE: FEE \$ 2450.00 DATE Sept. 18, 1995 CERTIFICATION FEE: FEE \$ 300 DATE MAR 6, 00
7. GENUS AND SPECIES NAME Solanum Tuberosum		6. FAX (include area code) 31-5270-39880	
8. CROP KIND NAME (Common name) Potato		B. FAMILY NAME (Botanical) Solanaceae	
9. CROP KIND NAME (Common name) Potato		10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name) Corporation	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Netherlands	12. DATE OF INCORPORATION 1972		
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Can AGRICO Potato Corporation ATT: Lawrence Kavanaugh 40 Coté Street Grand Falls, New Brunswick Canada E3Y 1C4		14. TELEPHONE (include area code) (506) 475-2279	15. FAX (include area code) (506) 475-2620
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT 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 18 and 19 below) <input checked="" type="checkbox"/> NO (If "no," go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES (If "yes," give names of countries and dates) <input type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, 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 (Owner(s)) 		SIGNATURE OF APPLICANT (Owner(s))	
NAME (Please print or type) E.H. WOLTJER		NAME (Please print or type)	
CAPACITY OR TITLE Director Research	DATE 2-8-95	CAPACITY OR TITLE	DATE 1

Can AGRICO Potato Corporation
40 Cote Street
Grand Falls, New Brunswick
E3Y 1C4



potatoes
papas
pommes de terre
kartoffeln

Tel.: (506) 475-2279
Fax: (506) 475-2620
Res.: (506) 473-2010

EXHIBIT "A"

The potato variety **AGATA** was selected as a clone from the F1 progeny (true seed) of the sexual cross **BM 52-72 x Sirco**. The pollinated cross was made by Svalöf Weibull B.V. at Emmeloord, Netherlands in 1976. The variety has been uniform and stable to date.

The selection of the variety was made using negative mass selection based on morphological, agronomic and phytopathological criteria. These criteria included yield, disease and pest resistance, and culinary qualities which were assessed over a period of years and consecutive multiplications of the clone.

The variety is vegetatively multiplied from a clone and no off-types have been found to occur. Variants may occur in very low frequencies (0.0 to 0.002%) due to small mutations. These are eliminated in the seed production / certification process.

The parents were derived in a similar manner. The parentage of numbered selections are unknown as they are used by the breeder as a genitor, in the possession of the breeder, and not always publicly known.

PARENTAGE

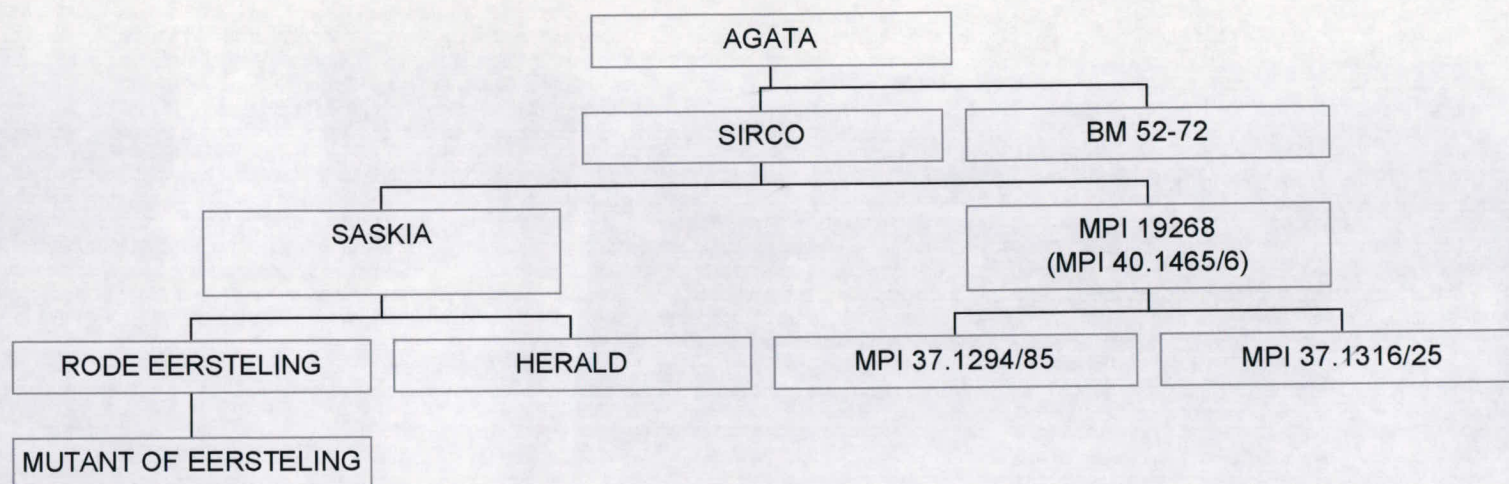
See attached chart of parental lineage.

Signed,

Can AGRICO Potato Corporation
per: Lawrence Kavanaugh

Date: December 1, 1998.

PARENTAL LINEAGE



9500319

w

Can AGRICO Potato Corporation
40 Cote Street
Grand Falls, New Brunswick
E3Y 1C4



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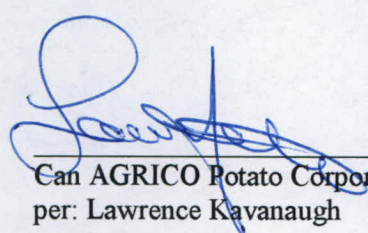
EXHIBIT "B"

STATEMENT OF DISTINCTNESS

'AGATA'

The potato variety 'Agata' is most similar to the variety 'Estima'. The foliage color of 'Agata' and 'Estima' differ as 'Agata' is medium green (137B*) and 'Estima' is medium green (137A*). The tubers of 'Agata' and 'Estima' differ in flesh color as 'Agata' is yellow (11B*) and 'Estima' is creamy (160C*). The tuber skin color of 'Agata' is light-yellow (160A*) whereas that of 'Estima' is yellow (162B*). The flower color of 'Agata' and 'Estima' are similar as both are white (155B*).

* Royal Horticultural Society Color Chart



Can AGRICO Potato Corporation
per: Lawrence Kavanagh

Date: December 1, 1998.

OBJECTIVE DESCRIPTION OF VARIETY

POTATO (*Solanum tuberosum* L.)

NAME OF APPLICANT(S) Can Agrico Potato Corporation	FOR OFFICIAL USE ONLY PVPO NUMBER
ADDRESS	VARIETY NAME AGATA TEMPORARY OR EXPERIMENTAL DESIGNATION
REFERENCE VARIETY 1 (R1) AGRIA	REFERENCE VARIETY 2 (R2) BINTJE
REFERENCE VARIETY 3 (R3) DIAMANT	REFERENCE VARIETY 4 (R4) ESTIMA
REFERENCE VARIETY 5 (R5) KENNEBEC	REFERENCE VARIETY 6 (R6) ATLANTIC
REFERENCE VARIETY 7 (R7) YUKON GOLD	

1. MARKET CHARACTERISTICS:

MARKET CLASS:

1 = Yellow-flesh tablestock; 2 = Round-white tablestock; 3 = Chip-processing; 4 = Frozen-processing
5 = Russet tablestock; 6 = Other _____

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1-4	1-4	1	1	2	3	1

2. PLANT CHARACTERISTICS:

GROWTH HABIT:

1 = Erect (>45° with ground); 5 = Semi-erect (30-45° with ground); 7 = Spreading.

VARIETY	R1	R2	R3	R4	R5	R6	R7
7	5	5	5	7	5	5	1

TYPE:

1 = Stem (foliage open, stems clearly visible); 2 = Intermediate; 3 = Leaf (foliage closed, stems hardly visible)

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	2	3	2	1	3	3	1

MATURITY: Days after planting (DAP) at vine senescence.

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

PLANTING DATE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
5-20-98	5-20-98	5-20-98	5-20-98	5-20-98	5-20-98	5-20-98	5-20-98

REGION/AREA:

VARIETY	R1	R2	R3	R4	R5	R6	R7
Tilley, NB	Tilley, NB	Tilley, NB	Tilley, NB	Tilley, NB	Tilley, NB	Tilley, NB	Tilley, NB

DATA IN RED HAS BEEN ADDED
FROM ORIGINAL EXHIBIT C SMP 11/02/99

MATURITY CLASS:

1 = Very Early (<100 DAP); 2 = Early (100-110 DAP); 3 = Mid-season (111-120 DAP); 4 = Late (121-130 DAP); 5 = Very Late (> 130 DAP).

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	4-5	4-5	4	3	4	3	2

3. STEM CHARACTERISTICS: Measure at early first bloom

STEM ANTHOCYANIN COLORATION:

1 = Absent; 3 = Weak; 5 = Medium; 7 = Strong; 9 = Very Strong

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	5-7	5	1	1	3	1	4-5

STEM WINGS

1 = Absent; 3 = Weak; 5 = Medium; 7 = Strong; 9 = Very Strong

VARIETY	R1	R2	R3	R4	R5	R6	R7
4	7	6	3	3	7-8	7	5

4. LEAF CHARACTERISTICS:

LEAF COLOR: Observe fully developed leaves located on middle 1/3 of plant

1 = Yellowish-green; 2 = Olive-green; 3 = Medium green; 4 = Dark green; 5 = Grey-green; 6 = other

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	3	3	4	3	3	3	1

LEAF COLOR: Observe fully developed leaves located on middle 1/3 of plant

Royal Horticulture Society Color Chart

VARIETY	R1	R2	R3	R4	R5	R6	R7
137B	147A	137A	147A	137A	147A	137A	147A

LEAF PUBESCENCE DENSITY:

1 = Absent; 2 = Sparse; 3 = Medium; 4 = Thick; 5 = Heavy

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	3	4	3	3	3-4	3	3

LEAF PUBESCENCE LENGTH:

1 = None; 2 = Short; 3 = Medium; 4 = Long; 5 = Very long

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	2	2	2	2	2	2	2

LEAF SILHOUETTE

1 = Closed; 3 = Medium; 5 = Open

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	3	1	3	3	3	3	5

PETIOLES ANTHOCYANIN COLORATION:

1 = Absent; 3 = Weak; 5 = Medium; 7 = Strong; 9 = Very Strong

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	7	4	1	1	1	1	1-2

LEAF STIPULES SIZE

1 = Absent; 3 = Small; 5 = Medium; 7 = Large

VARIETY	R1	R2	R3	R4	R5	R6	R7
5	5	3	3-5	5	5	5	6-7

TERMINAL LEAFLET SHAPE:

1 = Narrowly ovate; 2 = Medium ovate; 3 = Broadly ovate; 4 = Lanceolate; 5 = Elliptical;

6 = Obovate; 7 = Oblong; 8 = other

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	2	2	3	3	2	2	1

TERMINAL LEAFLET TIP SHAPE:

1 = Acute; 2 = Cuspidate; 3 = Acuminate; 4 = Obtuse; 5 = other

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	3	1	3

TERMINAL LEAFLET BASE SHAPE:

1 = Cuneate; 2 = Acute; 3 = Obtuse; 4 = Cordate; 5 = Truncate; 6 = Lobed; 7 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
3-4	4	4	4	4	4	3-4	2-3

TERMINAL LEAFLET MARGIN WAVINESS:

1 = Absent; 2 = Slight; 3 = Weak; 4 = Medium; 5 = Strong

VARIETY	R1	R2	R3	R4	R5	R6	R7
5	3	3	1-3	3	2	2-3	3

NUMBER OF PRIMARY LEAFLET PAIRS:

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
5	5	5	5	5	5	5	6

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
5	5	5	5	5	5	5	6

PRIMARY LEAFLET TIP SHAPE:

1 = Acute; 2 = Cuspidate; 3 = Acuminate; 4 = Obtuse; 5 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	1

PRIMARY LEAFLET SHAPE:

1 = Narrowly ovate; 2 = Medium ovate; 3 = Broadly ovate; 4 = Lanceolate; 5 = Elliptical;
6 = Obovate; 7 = Oblong; 8 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	1	1	2	2	1	1	1

PRIMARY LEAFLET BASE SHAPE:

1 = Cuneate; 2 = Acute; 3 = Obtuse; 4 = Cordate; 5 = Truncate; 6 = Lobed; 7 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
3-4	4	4	4	4	4	4	3

NUMBER OF SECONDARY AND TERTIARY LEAFLET PAIRS:

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
17.5	20.2	12.8	11.8	10.6	6.3	4.2	17.7

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
8-24	13-26	7-16	8-16	7-15	6-8	5-19	16-21

5. INFLORESCENCE CHARACTERISTICS:

NUMBER OF INFLORESCENCE / PLANT

AVERAGE

VARIETY	R1	R2	R3	R4	R5	R6	R7
Very low	9.0	8.0	4.0	2.5	2.4	4.0	2.6

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
Very low	7-10	7-10	4-4	2-4	2-3	3-5	2-3

NUMBER OF FLORETS / INFLORESCENCE:

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
Very low	12.0	8.7	18.3	5.3	3.7	10.0	4.9

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
Very low	6-18	8-10	14-24	5-6	2-6	10-10	3-6

COROLLA INNER SURFACE COLOR: Measure predominant color of newly open flower RHSCC.

VARIETY	R1	R2	R3	R4	R5	R6	R7
155B	155B	157A	76A _{small} white tip	155B	155B	76B	85B

COROLLA OUTER SURFACE COLOR: RHSCC

VARIETY	R1	R2	R3	R4	R5	R6	R7
155B	155B	157A	76A	155B	155C	76C	76A

COROLLA SHAPE:

1 = Very rotate; 2 = Rotate; 3 = Pentagonal; 4 = Semi-stellate; 5 = Stellate

VARIETY	R1	R2	R3	R4	R5	R6	R7
4	4	4	3	4	3	3	3

CALYX ANTHOCYANIN COLORATION:

1 = Absent; 3 = Weak; 5 = Medium; 7 = Strong; 9 = Very strong

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	7	1	1	1	1-3	3

ANTHER COLOR: Measure when newly opened flower is fully expanded RHSCC

VARIETY	R1	R2	R3	R4	R5	R6	R7
17A	17B	12A	17B	17A	17B	12A	14A

ANTHER SHAPE:

1 = Broad cone; 2 = Narrow cone; 3 = Pear shape cone; 4 = Loose; 5 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	2	2	2	3	3	2	1

POLLEN PRODUCTION:

1 = None; 3 = Some; 5 = Abundant

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

STIGMA SHAPE:

1 = Capitate; 2 = Clavate; 3 = Bi-lobed

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	1

STIGMA COLOR: RHSCC

VARIETY	R1	R2	R3	R4	R5	R6	R7
146A	146A	147A	146B	146B	146B	146A	138A

BERRY PRODUCTION: UNDER FIELD CONDITIONS:

1 = None; 3 = low; 5 = Moderate; 7 = Heavy; 9 = Very heavy

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	1	na	1

6. TUBER CHARACTERISTICS:

PREDOMINANT SKIN COLOR:

1 = White; 2 = Light Yellow; 3 = Yellow; 4 = Buff; 5 = Tan; 6 = Brown; 7 = Pink; 8 = red;
9 = Purplish-red; 10 = Purple; 11 = Dark purple-black; 12 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	3	3	2	3	2	4	3

RHSCC:

VARIETY	R1	R2	R3	R4	R5	R6	R7
160A	161A	162B	162B	162B	161B	164C	162A

SECONDARY SKIN COLOR:

1 = Absent; 2 = Present, please describe

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	2

RHSCC:

VARIETY	R1	R2	R3	R4	R5	R6	R7
-	-	-	-	-	-	-	58C

SECONDARY SKIN COLOR DISTRIBUTION:

1 = Eyes; 2 = Eyebrows; 3 = Splashed; 4 = Scattered; 5 = Spectacled; 6 = Stippled; 7 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
-	-	-	-	-	-	-	1

SKIN TEXTURE:

1 = Smooth; 2 = Rough (flaky); 3 = Netted; 4 = Russetted; 5 = Heavily russetted; 6 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1-2	1	1-2	1-2	1	2-3	1

TUBER SHAPE:

1 = Compressed; 2 = Round; 3 = Oval; 4 = Oblong; 5 = Long; 6 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
4	5	4	3	3-4	4-3	2	2

TUBER THICKNESS:

1 = Round; 2 = Medium thick; 3 = Slightly flatted; 4 = Flatted; 5 = Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	2-3	2	3	2	3	1	2

TUBER LENGTH (mm):

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
96.7	92.6	86	73.3	88.9	101.7	69.6	76.7

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
82-110	73-108	75-101	55-89	72-105	86-115	61-88	70-86

STANDARD DEVIATION:

VARIETY	R1	R2	R3	R4	R5	R6	R7
7.1	10.4	7.5	7.1	8.1	8.8	6.3	5.1

AVERAGE WEIGHT OF SAMPLE TAKEN:

VARIETY	R1	R2	R3	R4	R5	R6	R7
200.2	324.9	174.1	145.3	206.8	270.1	195.1	209.3

TUBER WIDTH (mm):

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
66.2	68.1	65.1	62.8	70.3	76.7	63.0	72.4

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
60-72	55-80	55-72	55-71	57-80	65-92	66-81	64-85

STANDARD DEVIATION:

VARIETY	R1	R2	R3	R4	R5	R6	R7
3.5	6.4	4.7	4.5	5.3	7.1	5.2	5.6

AVERAGE WEIGHT OF SAMPLE TAKEN:

VARIETY	R1	R2	R3	R4	R5	R6	R7
200.2	324.9	174.1	145.3	206.8	270.1	195.1	209.3

TUBER THICKNESS (mm):

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
53.5	56.1	53.2	52.8	56.1	61.1	61.6	61.1

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
49-62	47-73	45-62	43-58	45-64	50-73	55-67	55-66

8. PESTS CHARACTERISTICS:

PEST REACTION:

0 = Not tested; 1 = Resistant; 3 = Moderately resistant; 5 = Moderately susceptible; 7 = Susceptible;

9 = Highly susceptible

GOLDEN NEMATODE

VARIETY	R1	R2	R3	R4	R5	R6	R7
na <u>1</u>	na	na	na	na	na	na	na

OTHER

VARIETY	R1	R2	R3	R4	R5	R6	R7
na <u>1 WART DISEASE</u>	na	na	na	na	na	na	na

9. GENE TRAITS:

INSERTION OF GENES:

YES NO

IF YES, DESCRIBE

10. QUALITY CHARACTERISTICS:

CHIEF MARKET: FRESH CONSUMPTION, EARLY MARKETS

SPECIFIC GRAVITY:

1 < 1.060; 2 = 1.060-1.069; 3 = 1.070-1.079; 4 = 1.080-1.089; 5 > 1.090

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	3	4	3	3	3	4	4

TOTAL GLYCOALKALOID CONTENT (mg./100g. fresh tuber):

VARIETY	R1	R2	R3	R4	R5	R6	R7
na <u>4mg/100gr</u>	na	na	na	na	na	na	na

OTHER QUALITY CHARACTERISTICS:

12. CHEMICAL IDENTIFICATION:

13. ADDITIONAL COMMENTS AND CHARACTERISTICS:

NUMBER OF TUBER / PLANT:
 1 = Low (<8); 2 = Medium (8-15); 3 = High(>15)

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	1	3	2	1	1	1	1

7. DISEASES CHARACTERISTICS:

DISEASES REACTION:

0 = Not tested; 1 = Resistant; 3 = Moderately resistant; 5 = Moderately susceptible; 7 = Susceptible;
 9 = Highly susceptible

BACTERIAL RING ROT: Foliar reaction

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

BACTERIAL RING ROT: Tuber reaction

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

LATE BLIGHT

VARIETY	R1	R2	R3	R4	R5	R6	R7
na 5	na	na	na	na	na	na	na

PLRV

VARIETY	R1	R2	R3	R4	R5	R6	R7
na 5	na	na	na	na	na	na	na

PVX

VARIETY	R1	R2	R3	R4	R5	R6	R7
na 3	na	na	na	na	na	na	na

PVY

VARIETY	R1	R2	R3	R4	R5	R6	R7
na 2	na	na	na	na	na	na	na

OTHER

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

OTHER

VARIETY	R1	R2	R3	R4	R5	R6	R7
na	na	na	na	na	na	na	na

STANDARD DEVIATION:

VARIETY	R1	R2	R3	R4	R5	R6	R7
3.5	6.0	4.5	3.9	4.5	7.1	3.5	2.9

AVERAGE WEIGHT OF SAMPLE TAKEN:

VARIETY	R1	R2	R3	R4	R5	R6	R7
200.2	324.9	174.1	145.3	206.8	270.1	195.1	209.3

TUBER EYE DEPTH:

1 = Protruding; 2 = Shallow; 3 = Intermediate; 4 = Deep; 5 = Very Deep

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	3	3	3	2	3	3	2

TUBER LATERAL EYES:

1 = Protruding; 2 = Shallow; 3 = Intermediate; 4 = Deep; 5 Very deep

VARIETY	R1	R2	R3	R4	R5	R6	R7
3	3	3	3	2	3	3	2

NUMBER EYE / TUBER:

AVERAGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
13.8	7.6	8.6	6.8	3.2	9.4	5.6	6.6

RANGE:

VARIETY	R1	R2	R3	R4	R5	R6	R7
8-14	6-9	8-9	6-8	3-4	9-10	5-7	6-7

DISTRIBUTION OF TUBER EYES:

1 = Predominantly apical; 2 = Evenly distributed

VARIETY	R1	R2	R3	R4	R5	R6	R7
2	1	2	1	1	2	1	1

PROMINENCE OF TUBER EYEBROWS:

1 = Not prominent; 2 = Slight prominence; 3 = Medium prominence; 4 = very prominenece; 5 Other

VARIETY	R1	R2	R3	R4	R5	R6	R7
2-3	2	3	1	1	2	1	2

PRIMARY TUBER FLESH COLOR: RHSCC

VARIETY	R1	R2	R3	R4	R5	R6	R7
11B	11B	11C	11B	160C	160C	158B	11C

SECONDARY TUBER FLESH COLOR:

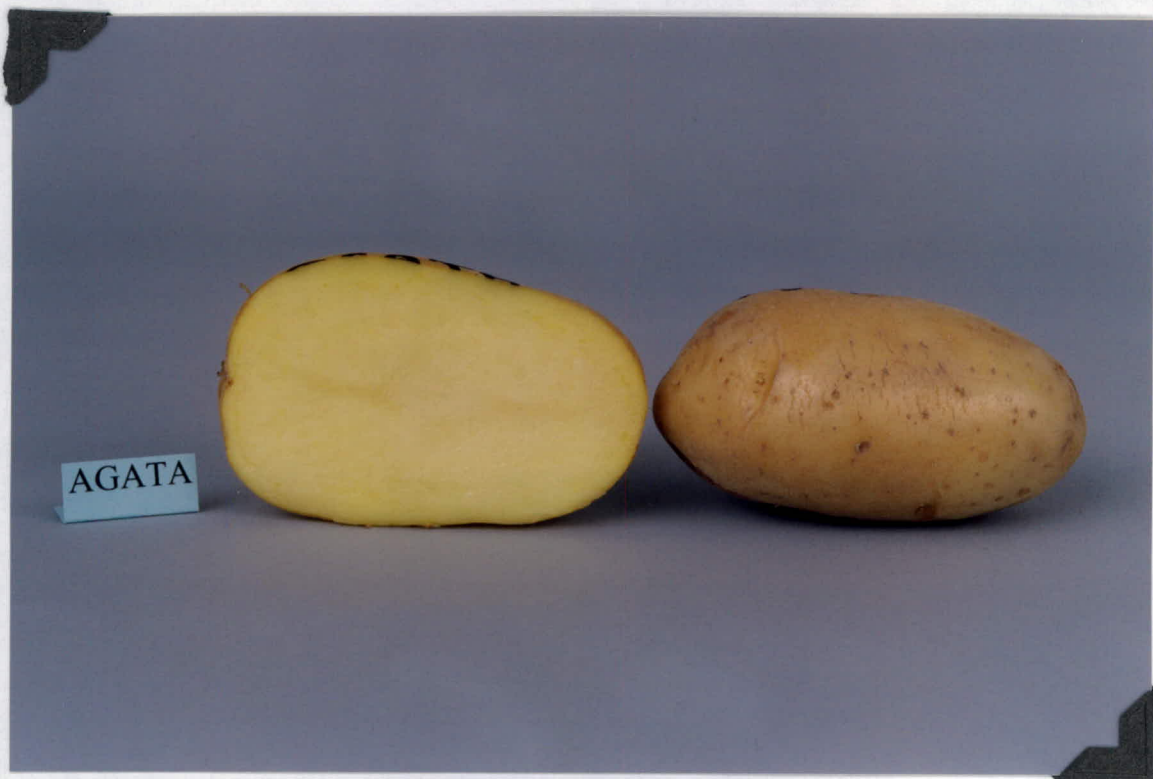
1 = Absent; 2 = Present, please describe

VARIETY	R1	R2	R3	R4	R5	R6	R7
1	1	1	1	1	1	1	1

RHSCC:

VARIETY	R1	R2	R3	R4	R5	R6	R7
-	-	-	-	-	-	-	-

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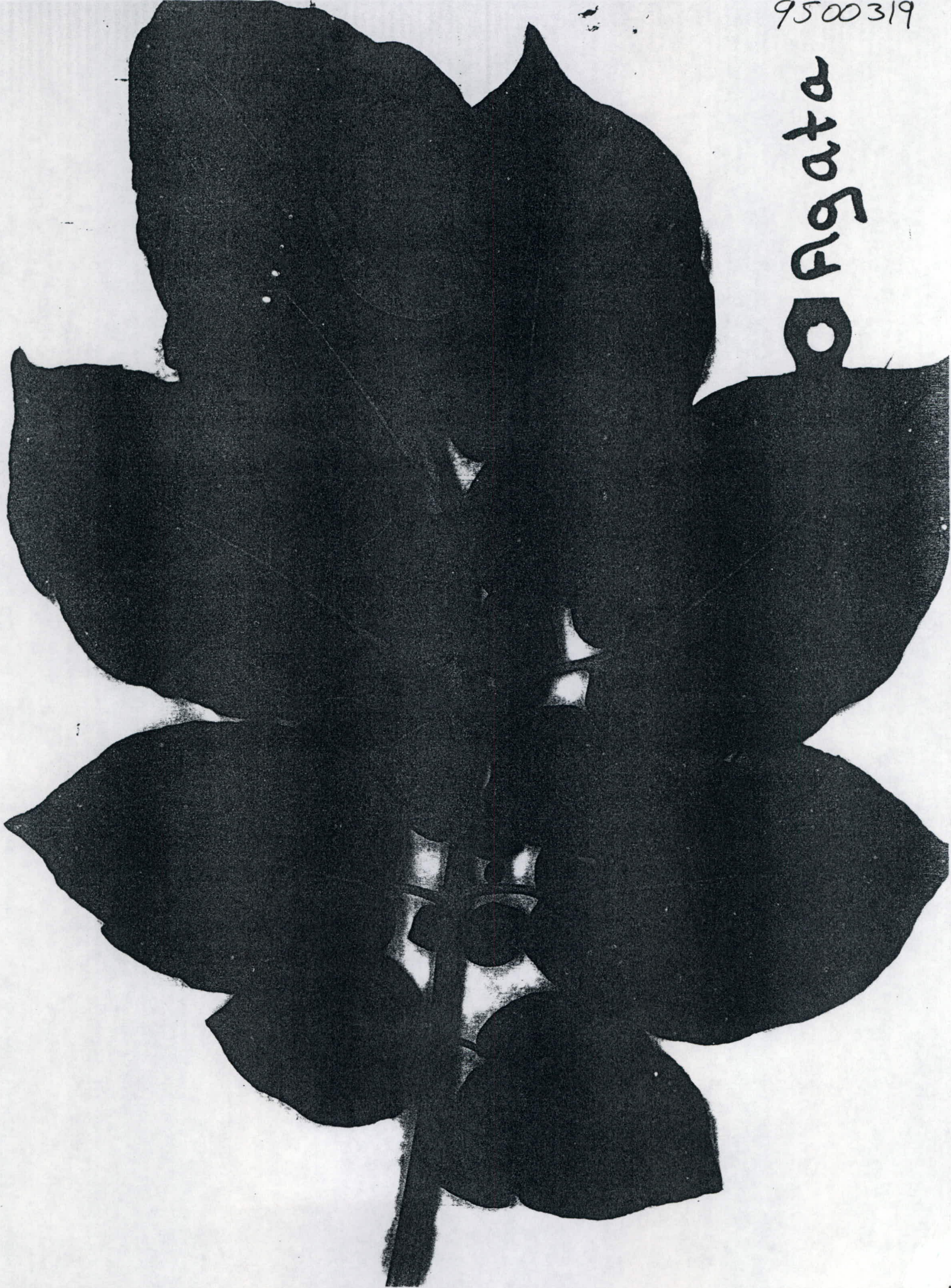


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Figato



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Agata

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PLANTENYHEDSNÆVNET

Beskyttelsesbrev
for
plantenyhed

I henhold til Lov om plantenyheder har Plantenyhedsnævnet d.d. optaget følgende plantenyhed i plantenyhedsregistret:

Registrerings nr. 4034
Slægt/art: Kartoffel
Plantenyhedens navn: Agata
Forædler: Svalöf Weibull B.V.
P.O. Box 235
NL-8300 AE Emmeloord.
Sortsejer: Agrico
P.O. Box 70
NL-8300 AB Emmeloord.
Repræsenteret ved: Hofman-Bang & Boutard
Adelgade 15
1304 København K.

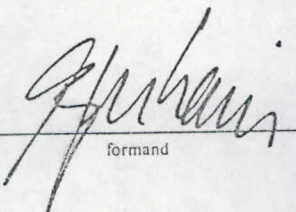
Dette beskyttelsesbrev tjener som bevis for, at beskyttelse af forædlerretten er gældende i henhold til ovennævnte lov.

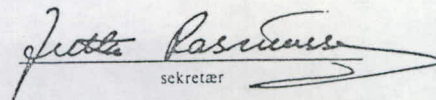
Beskyttelsen, der gælder i kongeriget Danmark med undtagelse af Færøerne og Grønland, udløber den: 17. juli 2019.

Beskyttelsen er gældende under forudsætning af, at årligt registreringsgebyr er indbetalt.

Beskrivelse af plantenyheden opbevares i Plantenyhedsnævnets arkiv.

Plantenyhedsnævnet, den 18. juli 1994.


formand


sekretær

Requesting authority : Application No. : 4034
 Reporting authority : Raad voor het Kwekersrecht, Reference No. : ARD 887
 Wageningen, NL

Species : Potato
 Breeder's reference : GE 77-134
 Denomination : AGATA

A. Characteristics mentioned in the UPOV-guideline TG/23/5 dd 21-11-86 are numbered correspondingly.

Lightsprout

1 Size	: medium	5
2 Shape	: broad cylindrical	4
3 Anthocyanin coloration base	: red-violet	1
4 Intensity anthocyanin coloration base	: very weak to weak	2
5 Pubescence base	: weak	3
6 Size tip	: medium	5
7 Habit tip	: medium	5
8 Intensity anthocyanin coloration tip	: weak	3
9 Pubescence tip	: weak to medium	4
10 Number root tips	: medium	5
11 Protrusion lenticells	: medium to strong	6
12 Length lateral shoots	: medium to long	6

Plant

13 Height	: short	3
14 Type	: leaf-type	3
15 Growth habit	: spreading	7

Stem

16 Thickness main stem	: thin to medium	4
17 Extension anthocyanin coloration	: absent or very weak	1



EXHIBIT "E"

I (we) Svalöf Weibull B.V., Emmeloord, being the breeder(s) of the variety

AGATA

do hereby authorise Agrico B.A. to apply for Plant Variety Protection in the United States of America.

Agrico B.A. has been appointed as my (our) legal representative for this variety and they are empowered to act on my (our) behalf in all matters respecting the variety.

Signed, Svalöf Weibull B.V., Emmeloord

Date ... August 1995

22 FEB 18

020

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

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).

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

1. NAME OF APPLICANT(S) Svalof Weibull B.V.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME Agata
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) c/o AGRICO B.A. P.O. Box 70 8300 AB Emmeloord, The Netherlands	5. TELEPHONE (include area code) 31-527-639911	6. FAX (include area code) 31-527-639880
7. PVPO NUMBER Application # 9500319		

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. YES NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company? YES NO
If no, give name of country Sweden

10. Is the applicant the original owner? YES NO *If no, please answer one of the following:*

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?
 YES NO *If no, give name of country*

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?
 YES NO *If no, give name of country*

11. Additional explanation on ownership (if needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

9500319

EXHIBIT F

Please be informed that the following potato varieties have been placed in a repository located in the United States:

<u>Variety</u>	<u>PVP Application #</u>
Agata	9500319
Bolesta	9600403
Island Sunshine	9600210
Maranca	9700362
Penta	9600303
Provento	9500321

This repository is being maintained by:
Colorado State University
Potato Certification Service
San Luis Valley Research Center
0249 East Road, 9 North
Center, Colorado 81125

TEL: 719-754-3496
ATT: Mr. Robert D. Davidson, Manager

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