

Section 4 - Information on origin, maintenance and reproduction of the variety

4.1 Do you wish the details and data relating to components of hybrid varieties including data related to their cultivation to be treated as confidential? Yes No

If 'yes', please give this information on the separate form for confidential information.

If 'no', please give information on data relating to the components of hybrid varieties including data related to their cultivation.

Breeding scheme (indicate female component first)

4.2 Origin

(a) Seedling (indicate parent varieties).

(b) Mutation (indicate parent variety)

(c) Discovery (indicate where, when and how the variety has been developed)

(d) Other (please specify)

4.3 Method of propagation

(a) Cuttings

(b) *In vitro* propagation

(c) Seed

(d) Other (please specify)

4.4 Other information

In the case of seed propagated varieties: method of production:

(a) Self-pollinated

(b) Open-pollinated

(c) Single hybrid

(d) Three-way hybrid

(e) Other (please give details).

4.5 Geographical origin of the variety: the region and the country in which the variety was bred or discovered and developed

Section 5 – Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in the UPOV Test Guideline; please mark the state of expression which best corresponds).

Please supply a photograph of a typical mature plant.

Characteristic	Example varieties	Note
5.1 Ploidy		
(1)		
Diploid	Milan White	2 <input type="checkbox"/>
Tetraploid	Taronda	4 <input type="checkbox"/>

Characteristic	Example varieties	Note
5.2 Leaf: green colour (4)		
Very light		1 <input type="checkbox"/>
Light	Leielander	3 <input type="checkbox"/>
Medium	Bency	5 <input type="checkbox"/>
Dark	Frisia	7 <input type="checkbox"/>
Very dark	Aberdeen Green Top Yellow	9 <input type="checkbox"/>
5.3 Leaf: type (5)		
Entire	Polybra	1 <input type="checkbox"/>
Lobed	Samson	2 <input type="checkbox"/>
5.4 Leaf: length (10)		
Short	Milan White Forcing	3 <input type="checkbox"/>
Medium	Tokyo Cross	5 <input type="checkbox"/>
Long	Tyfon	7 <input type="checkbox"/>
5.5 Root: position in soil (16)		
Very shallow	Milan White Forcing	1 <input type="checkbox"/>
Shallow	Oasis	3 <input type="checkbox"/>
Medium	Agressa	5 <input type="checkbox"/>
Deep	Noir long	7 <input type="checkbox"/>
Very deep	Telltower Kleine	9 <input type="checkbox"/>
5.6 Root: thick cork layer around skin (17)		
Absent	Bency	1 <input type="checkbox"/>
Present	Noir long	9 <input type="checkbox"/>
5.7 Root: colour of skin above soil (18)		
White	Tokyo Cross	1 <input type="checkbox"/>
Green	Leielader	2 <input type="checkbox"/>
Yellow	Topaz	3 <input type="checkbox"/>
Orange	Golden Ball	4 <input type="checkbox"/>
Bronze	Grandessa	5 <input type="checkbox"/>
Scarlet	Scarlet Ball	6 <input type="checkbox"/>
Reddish purple	Bency	7 <input type="checkbox"/>
Bluish purple	The Bruce	8 <input type="checkbox"/>

Characteristic	Example varieties	Note
5.8 Root: Colour of flesh (21)		
White	Agressa	1 <input type="checkbox"/>
Yellow	Teutengold	2 <input type="checkbox"/>
5.9 Root: shape in longitudinal section (24)		
Transverse narrow elliptic	Platte Witte Mei	1 <input type="checkbox"/>
Transverse elliptic	Milan White	2 <input type="checkbox"/>
Circular	Rondo	3 <input type="checkbox"/>
Obovate	Alwi	4 <input type="checkbox"/>
Square	Champion Green Top Yellow	5 <input type="checkbox"/>
Broad oblong	Rekord	6 <input type="checkbox"/>
Narrow oblong	Long d'Alsace	7 <input type="checkbox"/>
Obtriangular	Sirius	8 <input type="checkbox"/>
5.10 Root: length (25)		
Very short	Milan White	1 <input type="checkbox"/>
Short	The Wallace	3 <input type="checkbox"/>
Medium	Dynamo	5 <input type="checkbox"/>
Long	Taronda	7 <input type="checkbox"/>
Very long	Alander	9 <input type="checkbox"/>
5.11 Root: diameter (at widest point) (35)		
Small	Hakutaka	3 <input type="checkbox"/>
Medium	Rondo	5 <input type="checkbox"/>
Large	Massif	7 <input type="checkbox"/>
5.12 Root: position of widest point (27)		
Above middle	Marteau	3 <input type="checkbox"/>
Middle	Taronda	5 <input type="checkbox"/>
Bellow middle	Blanc dur d'hiver	7 <input type="checkbox"/>
5.13 Root: shape at top (29)		
Strongly indented		1 <input type="checkbox"/>
Indented	Milan White Forcing	3 <input type="checkbox"/>
Flat	Milan White	5 <input type="checkbox"/>
Raised	Taronda	7 <input type="checkbox"/>
Strongly raised	Agressa	9 <input type="checkbox"/>

Characteristic

5.14 Root: shape at base (30)

Indented	Milan White Forcing	1	<input type="checkbox"/>
Truncate	Milan White	3	<input type="checkbox"/>
Rounded	Taronda	5	<input type="checkbox"/>
Obtuse	Sirius	7	<input type="checkbox"/>
Pointed	Noir long	9	<input type="checkbox"/>

5.15 Leaf: attitude (2)

Erect	Samson	1	<input type="checkbox"/>
Semi-erect	Agressa	3	<input type="checkbox"/>
Horizontal	Teltower Kleine	5	<input type="checkbox"/>

5.16 Flower: petal colour (UK)

Orange yellow		1	<input type="checkbox"/>
Lemon yellow	Crispi, Reuzensuiker	9	<input type="checkbox"/>

Section 6 – Similar varieties and differences from these varieties:

Denomination of similar variety	Characteristic in which the similar variety is different ¹	State of expression of similar variety	State of expression of candidate variety

¹ In the case of identical states of expression of both varieties, please indicate the size of the difference.

Section 7 - Additional information which may help to distinguish the variety

7.1 Resistance to pests and diseases

7.2 Main use

Root vegetable	<input type="checkbox"/>
Stubble or Forage Turnip	<input type="checkbox"/>

7.3 Time of sowing

Spring sown	<input type="checkbox"/>
Summer sown	<input type="checkbox"/>
Autumn sown	<input type="checkbox"/>

7.4 Special conditions for the examination of the variety

Yes, please specify

No

If it is agreed to carry out a special DUS test an appropriate charge will be levied

7.5 Other information

Yes, please specify

No

Section 8 - GMO and other Novel types

Does this application relate to a Genetically Modified Organism as defined in Section 106 of the Environmental Protection Act 1990?

Yes

No

If "Yes" you must complete form PVS9/B Genetically Modified and other Novel Candidates.

Section 9 - Information on plant material to be examined

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides).

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

- | | | |
|---|------------------------------|-----------------------------|
| (a) Micro-organisms (eg virus, bacteria, phytoplasma) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (b) Chemical treatment (eg growth retardant or pesticide) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (c) Tissue culture | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (d) Other factors | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

Please provide details of where you have indicated "Yes"

Declaration

I/We declare that to the best of my/our knowledge and belief the statements made in this Technical Questionnaire are correct

Signature of Applicant

Date

(original signature unless emailed)

Name in BLOCK letters

For and on behalf of