

Technical questionnaire

Brassica rapa L. var. *rapa* L.

Turnip

Version 9 - Publication date: 12/06/2024

Mandatory fields or sections are marked with an asterisk (*)

04 . Information on the breeding scheme and propagation of the variety

04.01. Type of material *

- hybrid
- cross-pollinated variety
- self-pollinated variety
- parent line

04.01.01. Parental line use *

In many cases there is a link in morphological expression of characteristics between the parent line and its hybrids. Therefore, it is recommended to provide information about the identity of hybrid varieties where the parental line is used. This makes the organisation of the technical examination more efficient and lowers the risk of an additional year at the costs of the applicant. This information will be dealt with confidentially and only share with the examination office in charge of the technical examination.

Please indicate for the production of which hybrid variety(ies) the parental line is used

*

04.02. Method of propagation of the variety *

- seed propagated
- vegetatively propagated

04.03. Other information on genetic origin and breeding method

Please specify

05 . Characteristics of the variety to be indicated

(the number in brackets refers to the corresponding characteristic in the UPOV Technical Guidelines, please mark the state of expression which best corresponds).

(1) (G) 05.01. Ploidy *

- 2 - diploid Milan White

- 4 - tetraploid

Taronda

(4) 05.02. Leaf: green color *

- 1 - very light
- 2 - very light to light
- 3 - light
- 4 - light to medium
- 5 - medium
- 6 - medium to dark
- 7 - dark
- 8 - dark to very dark
- 9 - very dark

- 9 - very dark

(5) (G) 05.03. Leaf: type *

- 1 - entire
- 2 - lobed

Polybra

Samson

(10) 05.04. Leaf: length *

- 1 - very short
- 2 - very short to short
- 3 - short
- 4 - short to medium
- 5 - medium
- 6 - medium to long
- 7 - long
- 8 - long to very long
- 9 - very long

Milan White Forcing

Tokyo Cross

Tyfon

(16) 05.05. Root: position in soil *

- 1 - very shallow
- 2 - very shallow to shallow

Milan White Forcing



- | | | |
|-----------------------|-----------------------|-----------------|
| <input type="radio"/> | 3 - shallow | Oasis |
| <input type="radio"/> | 4 - shallow to medium | |
| <input type="radio"/> | 5 - medium | Agressa |
| <input type="radio"/> | 6 - medium to deep | |
| <input type="radio"/> | 7 - deep | Noir long |
| <input type="radio"/> | 8 - deep to very deep | |
| <input type="radio"/> | 9 - very deep | Teltower Kleine |

(17) 05.06. Root: thick cork layer around skin *

- | | | |
|-----------------------|-------------|-----------|
| <input type="radio"/> | 1 - absent | Bency |
| <input type="radio"/> | 9 - present | Noir long |

(18) (G) 05.07. Root: colour of skin above soil *

- | | | |
|--------------------------|--------------------|--------------|
| <input type="checkbox"/> | 1 - white | Tokyo Cross |
| <input type="checkbox"/> | 2 - green | Leielander |
| <input type="checkbox"/> | 3 - yellow | Topaz |
| <input type="checkbox"/> | 4 - orange | Golden Ball |
| <input type="checkbox"/> | 5 - bronze | Grandessa |
| <input type="checkbox"/> | 6 - scarlet | Scarlet Ball |
| <input type="checkbox"/> | 7 - reddish purple | Bency |
| <input type="checkbox"/> | 8 - bluish purple | The Bruce |

(20) 05.08. Root: colour of skin below ground *

- | | |
|--------------------------|------------|
| <input type="checkbox"/> | 1 - white |
| <input type="checkbox"/> | 2 - yellow |
| <input type="checkbox"/> | 3 - red |
| <input type="checkbox"/> | 4 - purple |

(21) (G) 05.09. Root: colour of flesh *

- | | | |
|-----------------------|------------|--------------|
| <input type="radio"/> | 1 - white | Agressa |
| <input type="radio"/> | 2 - yellow | Teutonengold |

(24) (G) 05.10. Root: shape in longitudinal section *

- | | | |
|--------------------------|--------------------------------|------------------|
| <input type="checkbox"/> | 1 - transverse narrow elliptic | Platte Witte Mei |
| <input type="checkbox"/> | 2 - transverse elliptic | Milan White |



- | | | |
|--------------------------|-------------------|---------------------------|
| <input type="checkbox"/> | 3 - circular | Rondo |
| <input type="checkbox"/> | 4 - obovate | Alwi |
| <input type="checkbox"/> | 5 - square | Champion Green Top Yellow |
| <input type="checkbox"/> | 6 - broad oblong | Rekord |
| <input type="checkbox"/> | 7 - narrow oblong | Long d'Alsace |
| <input type="checkbox"/> | 8 - obtriangular | Sirius |

(25) 05.11. Root: length *

- | | | |
|-----------------------|-------------------------|-------------|
| <input type="radio"/> | 1 - very short | Milan White |
| <input type="radio"/> | 2 - very short to short | |
| <input type="radio"/> | 3 - short | The Wallace |
| <input type="radio"/> | 4 - short to medium | |
| <input type="radio"/> | 5 - medium | Dynamo |
| <input type="radio"/> | 6 - medium to long | |
| <input type="radio"/> | 7 - long | Taronda |
| <input type="radio"/> | 8 - long to very long | |
| <input type="radio"/> | 9 - very long | Alander |

(26) 05.12. Root: diameter (at widest point) *

- | | | |
|-----------------------|-------------------------|----------|
| <input type="radio"/> | 1 - very small | |
| <input type="radio"/> | 2 - very small to small | |
| <input type="radio"/> | 3 - small | Hakutaka |
| <input type="radio"/> | 4 - small to medium | |
| <input type="radio"/> | 5 - medium | Rondo |
| <input type="radio"/> | 6 - medium to large | |
| <input type="radio"/> | 7 - large | Massif |
| <input type="radio"/> | 8 - large to very large | |
| <input type="radio"/> | 9 - very large | |

(27) 05.13. Root: position at widest point *

- | | | |
|--------------------------|------------------|-------------------|
| <input type="checkbox"/> | 3 - above middle | Marteau |
| <input type="checkbox"/> | 5 - at middle | Taronda |
| <input type="checkbox"/> | 7 - below middle | Blanc dur d'hiver |



(29) 05.14. Root: shape of top *

- | | | |
|--------------------------|-----------------------|---------------------|
| <input type="checkbox"/> | 1 - strongly indented | |
| <input type="checkbox"/> | 3 - indented | Milan White Forcing |
| <input type="checkbox"/> | 5 - flat | Milan White |
| <input type="checkbox"/> | 7 - raised | Taronda |
| <input type="checkbox"/> | 9 - strongly raised | Agressa |

(30) 05.15. Root: shape of base *

- | | | |
|--------------------------|--------------|---------------------|
| <input type="checkbox"/> | 1 - indented | Milan White Forcing |
| <input type="checkbox"/> | 3 - truncate | Milan White |
| <input type="checkbox"/> | 5 - rounded | Frisia |
| <input type="checkbox"/> | 7 - obtuse | Sirius |
| <input type="checkbox"/> | 9 - pointed | Noir long |

06 . Similar varieties and differences from these varieties

Please note that information on similar varieties may help to identify comparable varieties and can avoid an additional period of testing.

06.01. Are there any similar varieties known? *

- Yes
- No

06.02. Similar varieties and differences from these varieties: *

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety

07 . Additional information which may help to distinguish the variety**07.01. Resistance to pests and diseases ***

- Yes, specify
- No

07.02. Special conditions for the examination of the variety *

07.02.01. Main use *

- root vegetable
- stubble or forage turnip

07.02.02. Time of sowing *

- spring
- summer
- winter

07.03. Other information *

- Yes, specify

- No

08 . GMO-information

08.01. GMO-information required *

The variety represents a Genetically Modified Organism within the meaning of Article 2(2) of Council Directive EC/2001/18 of 12/03/2001.

- Yes

If yes, please attach in point 08.02 a copy of the written attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

- No

08.02. In case of GMO, joint attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

Documents to be attached

