Raad voor plantenrassen

Technical questionnaire

lettuce

Version 27

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

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01 . Botanical taxon: name of the genus, species or sub-species to which the variety belongs:

◯ *Lactuca sativa* L.

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02 . Application code:

For office use only

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03 . Breeder's reference

Breeder's Ref.

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

04 . 01 . Type of material *

◯ hybrid

◯ cross-pollinated variety

◯ self-pollinated variety

◯ parental line

04 . 01.01 . Parental line use

(this question could be confidential)

In many cases there is a link in morphological expression of characteristics between the parental 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 only be shared with the examination office in charge of the technical examination.
In accordance with Article 88(3) of Regulation 2100/1994 the Office will treat the information under this section as confidential on request of the applicant.

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

Breeder's Ref.

04 . 02 . Method of propagation of the variety *

- ◯ seed propagated
- ◯ vegetatively propagated

Please specify

04 . 03. . Should the following question on genetic origin and breeding method be treated as confidential? *

- ◯ Yes
- ◯ No

04 . 04 . Confidentiality justification *

(this question could be confidential)

Please explain why the information is to be considered as confidential and how its disclosure would harm your commercial interests (included but not limited to business relations, manufacturing secrets, expertise, commercial strategies, intellectual property) under Article 4(2) of Regulation 1049/2001. Since the general rule is transparency, it is in your best interest to provide strong reasons to support your request for confidentiality. If a public access request is received, the Office will evaluate your justifications and decide whether to disclose or not the information.

Please provide detailed explanations *

04 . 05 . Information on the breeding method and the genetic origin of the application

(this question could be confidential)

breeding method

parentage with any other varieties

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05 . Characteristics

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

05 . 01 . Seed: colour *(1) (G)* *

◯ 1 - white	Verpia
◯ 2 - yellow	Durango
◯ 3 - brown	Oaklin
◯ 4 - black	Kagraner Sommer 2

Breeder's Ref.

05 . 02 . Leaf: number of divisions *(6)* *

◯ 1 - absent or very few	Fiorella, Lollo rossa
◯ 2 - very few to few	
◯ 3 - few	Curletta, Rodagio
◯ 4 - few to medium	
◯ 5 - medium	Ezabel, Jadigon
◯ 6 - medium to many	
◯ 7 - many	Expedition, Multired 54
◯ 8 - many to very many	
◯ 9 - very many	Excite, Ezfrill, Telex

05 . 03 . Leaf: anthocyanin coloration *(11) (G)* *

◯ 1 - absent or very weak	Clarion
◯ 2 - very weak to weak	
◯ 3 - weak	Du bon jardinier
◯ 4 - weak to medium	
◯ 5 - medium	Lollo rossa, Luana
◯ 6 - medium to strong	
◯ 7 - strong	Merveille des quatre saisons
◯ 8 - strong to very strong	
◯ 9 - very strong	Iride, Revolution

05 . 04 . Leaf: hue of anthocyanin coloration *(12)*

◯ 1 - reddish	Lollo rossa
◯ 2 - purplish	Iride
◯ 3 - brownish	Luana, Maravilla de Verano

05 . 05 . Leaf: area covered by anthocyanin coloration *(13)* *

◯ 1 - very small	Steirer Krauthauptel
◯ 2 - very small to small	
◯ 3 - small	Diablo
◯ 4 - small to medium	
◯ 5 - medium	Luana
◯ 6 - medium to large	
◯ 7 - large	Merveille des quatre saisons
◯ 8 - large to very large	
◯ 9 - very large	Bijou, Revolution

Breeder's Ref.

05 . 06 . Leaf: colour *(14)* *

◯ 1 - green	Verpia
◯ 2 - yellowish green	Dorée de printemps
◯ 3 - greyish green	Celtuce, Du bon jardinier
◯ not applicable	

05 . 07 . Leaf: intensity of green colour *(15)* *

◯ 1 - very light	
◯ 2 - very light to light	
◯ 3 - light	Blonde maraîchère, Lollo Bionda
◯ 4 - light to medium	
◯ 5 - medium	Aquarel, Clarion
◯ 6 - medium to dark	
◯ 7 - dark	Expedition, Verpia
◯ 8 - dark to very dark	
◯ 9 - very dark	Pascal, Verdetrix
◯ not applicable	

05 . 08 . Time of harvest maturity *(34)*

◯ 1 - very early	Gotte jaune d'or
◯ 2 - very early to early	
◯ 3 - early	Pantlika, Sucrine
◯ 4 - early to medium	
◯ 5 - medium	Clarion
◯ 6 - medium to late	
◯ 7 - late	Blonde maraîchère, Calmar
◯ 8 - late to very late	
◯ 9 - very late	El Toro, Pinokkio

Breeder's Ref.

05 . 09 . Time of beginning of bolting *(35) (G)* *

○ 1 - very early	Blonde à couper amélioréePlease indicate comparable variety(ies) of your choice
○ 2 - very early to early	Please indicate comparable variety(ies) of your choice
○ 3 - early	Gotte à gaine blanchePlease indicate comparable variety(ies) of your choice
○ 4 - early to medium	Please indicate comparable variety(ies) of your choice
○ 5 - medium	PantlikaPlease indicate comparable variety(ies) of your choice
○ 6 - medium to late	Please indicate comparable variety(ies) of your choice
○ 7 - late	Hilde IIPlease indicate comparable variety(ies) of your choice
○ 8 - late to very late	Please indicate comparable variety(ies) of your choice
○ 9 - very late	Erika, ToscanasPlease indicate comparable variety(ies) of your choice

05 . 10 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 29EU *(48) (G)* *

○ 1 - absent	Argelès
○ 9 - present	Balesta

05 . 11 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 30EU *(49)* *

○ 1 - absent	Argelès, Colorado
○ 9 - present	Balesta
○ not tested	

Breeder's Ref.

05 . 12 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 31EU *(50)* *

◯ 1 - absent	Colorado, RYZ910457
◯ 9 - present	Argelès, Balesta
◯ not tested	

05 . 13 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 33EU *(51)* *

◯ 1 - absent	Kibrille, RYZ2164
◯ 9 - present	RYZ910457
◯ not tested	

05 . 14 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 35EU *(52)* *

◯ 1 - absent	Design, Kibrille
◯ 9 - present	Bartoli
◯ not tested	

05 . 15 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 36EU *(53)* *

◯ 1 - absent	Bartoli, RYZ2164
◯ 9 - present	Design, Kibrille
◯ not tested	

05 . 16 . Resistance to *Bremia lactucae* (Bl) isolcate Bl: 38EU *

◯ 1 - absent	Design, Kibrille
◯ 9 - present	Bartoli
◯ not tested	

05 . 17 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 39EU *

◯ 1 - absent	Bartoli, RYZ2164, Dandie
◯ 9 - present	Design, Kibrille
◯ not tested	

05 . 18 . Resistance to *Bremia lactucae* (Bl) isolate Bl: 40EU *

◯ 1 - absent	Bartoli, RYZ2164
◯ 9 - present	Kibrille
◯ not tested	

05 . 19 . Resistance to *Lettuce Mosaic Virus* (LMV) pathotype II *(54)* *

◯ 1 - absent	Bijou, Hilde II, Sprinter, Sucrine
◯ 9 - present	Capitan, Corsica
◯ not tested	

05 . 20 . Resistance to *Nasonovia ribisnigri* (Nr) biotype Nr: 0 *(55)* *

◯ 1 - absent	Abel, Green Towers, Nadine
◯ 9 - present	Barcelona, Bedford, Dynamite, Silvinas
◯ not tested	

Breeder's Ref.

05 . 21 . Resistance to *Fusarium oxysporum* f.sp. *lactucae* (Fol) race 1 *(56)* *

◯ 1 - absent or low	Cobham Green, Patriot
◯ 2 - medium	Affic, Fuzila, Natexis
◯ 3 - high	Costa Rica No. 4, Romasol
◯ not tested	

05 . 22 . Resistance to *Fusarium oxysporum* f.sp. *lactucae* (Fol) Race 4 *

◯ 1 - absent or low	Costa Rica No. 4, Gisela
◯ 2 - medium	Ballerina, Patriot
◯ 3 - high	Lomeria, Palmos
◯ not tested	

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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

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07 . Additional information which may help to distinguish the variety *

07 . 01 . In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? *

◯ Yes, specify

◯ No

07 . 02 . Are there any special conditions for growing the variety or conducting the examination? *

07 . 02.01 . Type of culture *

☐ outdoor

☐ indoor

Breeder's Ref.

07 . 02.02 . Growing season *

- [ ] spring
- [ ] summer
- [ ] autumn
- [ ] winter

07 . 02.03 . Are there any special conditions for growing the variety or conducting the examination? *

- ◯ Yes, specify
- ◯ No

07 . 03 . Other information *

07 . 03.01 . Type *

- [ ] Butterhead type
- [ ] Novita type
- [ ] Iceberg type
- [ ] Batavia type
- [ ] Frisée d'Amérique type
- [ ] Lollo type
- [ ] Oakleaf type
- [ ] Multi-divided type
- [ ] Frillice type
- [ ] Cos type
- [ ] Gem type
- [ ] Stem type

07 . 03.02 . Other information *

- ◯ Yes, specify
- ◯ No

07 . 04 . Photo

It is highly recommended to provide pictures. Otherwise, the organisation of the technical examination will be rendered less efficient, with the risk of an additional year of technical examination at the costs of the applicant.

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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

Breeder's Ref.

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.

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09 . Information on plant material to be examined

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), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc. Consequently the plant material to be examined 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:

09 . 01 . Micro-organisms (e.g. virus, bacteria, phytoplasma) *

- ◯ Yes, specify
- ◯ No

09 . 02 . Chemical treatment (e.g. growth retardant or pesticide) *

- ◯ Yes, specify
- ◯ No

09 . 03 . Other factors *

- ◯ Yes, specify
- ◯ No

Breeder's Ref.

DECLARATIONS *

I/we hereby declare that to the best of my/our knowledge the information given in this form is complete and correct.

Place

Date

Name

Signature