

Technical questionnaire

onion, echalion, shallot, grey shallot

Version 13

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

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

Allium cepa L. (Aggregatum Group)

Allium cepa L. (Cepa group)

Allium oschaninii O. Fedtsch.

Other species (please specify)

02 . Application code:

For office use only

03 . Breeder's reference

Breeder's Ref.

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

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

05 . Characteristics of the variety to be indicated *

(the number in brackets refers to the corresponding characteristic in the CPVO Technical Protocol; please mark the state of expression which best corresponds)

05 . 00 . Group *

onion

shallot

05 . 01 . Plant: number of leaves per pseudostem (1) *

1 - very few

2 - very few to few

3 - few

SY300 (O)

4 - few to medium

5 - medium

The Kelsae (O)

6 - medium to many

7 - many

Yellow Sweet Spanish (O)

8 - many to very many

9 - very many

05 . 02 . Foliage: waxiness (3) *

| | |
|---------------------------|-----------------------------------|
| 1 - absent or very weak | |
| 2 - very weak to weak | |
| 3 - weak | Yellow Sweet Spanish (O) |
| 4 - weak to medium | |
| 5 - medium | Hikeeper (O), Golden Gourmet (S) |
| 6 - medium to strong | |
| 7 - strong | Calypso (O), Flevo (O), Santé (S) |
| 8 - strong to very strong | |
| 9 - very strong | |

05 . 03 . Foliage: intensity of green colour (4) *

| | |
|-------------------------|---|
| 1 - very light | Bretor (S) |
| 2 - very light to light | |
| 3 - light | Guimar (O), Yellow sweet spanish (O), Tropix (S) |
| 4 - light to medium | |
| 5 - medium | Caribo (O), Texas Grano 502 (O), Golden Gourmet (S) |
| 6 - medium to dark | |
| 7 - dark | Hikeeper (O), La Reine (O), Santé (S) |
| 8 - dark to very dark | |
| 9 - very dark | |

05 . 04 . Seed propagated varieties only: Bulb : Tendency to split into bulblets (with dry skin around each bulblet) (10) (G)

| | |
|---------------------------|--|
| 1 - absent or very weak | Cuisse de Poulet du Poitou (O), Lagos (O) |
| 2 - very weak to weak | |
| 3 - weak | |
| 4 - weak to medium | |
| 5 - medium | Mirage (S) |
| 6 - medium to strong | |
| 7 - strong | Bonilla (S), Creation (S), Longor (S), Mikor (S) |
| 8 - strong to very strong | |
| 9 - very strong | Delvad (S), Rox (S), Tropix (S) |

05 . 05 . Bulb : degree of splitting into bulblets (with dry skin around each bulblet) (11) (G) *

| | |
|---------------------------|--------------------------------|
| 1 - absent or very weak | Cuisse de Poulet du Poitou (O) |
| 2 - very weak to weak | |
| 3 - weak | |
| 4 - weak to medium | |
| 5 - medium | Santé (S) |
| 6 - medium to strong | |
| 7 - strong | |
| 8 - strong to very strong | |
| 9 - very strong | Giselle (S) |

05 . 06.01 . Onion varieties only: Bulb: size (12.1)

| | |
|-------------------------|------------|
| 1 - very small | |
| 2 - very small to small | |
| 3 - small | |
| 4 - small to medium | |
| 5 - medium | Lagos |
| 6 - medium to large | |
| 7 - large | The Kelsae |
| 8 - large to very large | |
| 9 - very large | |

05 . 06.02 . Shallot varieties only: Bulblet: size (12.2)

| | |
|-------------------------|----------------------|
| 1 - very small | |
| 2 - very small to small | |
| 3 - small | Atlas |
| 4 - small to medium | |
| 5 - medium | Spring Field, Topper |
| 6 - medium to large | |
| 7 - large | Delicato, Santé |
| 8 - large to very large | |
| 9 - very large | |

05 . 07 . Bulb/Bulblet: general shape (in longitudinal section) (18) (G) *

| | |
|--------------------------------|--|
| 1 - elliptic | Owa (O), Longor (S) |
| 2 - medium ovate | Birnförmige (O), Rossa lunga di Firenze (O), Breton (S) |
| 3 - broad elliptic | Ailsa Craig (O), Beacon (O), Hiball (O), Vigarmor (S) |
| 4 - circular | Lagos (O), Pikant (S) |
| 5 - broad ovate | Hysam (O), Arvro (S) |
| 6 - broad obovate | Lilia (O), Texas Grano 502 (O) |
| 7 - rhombic | Zittauer gelbe (O) |
| 8 - transverse medium elliptic | Sturka (O), Stuttgarter Riesen (O), Atlantic (S), Golden Gourmet (S) |
| 9 - transverse narrow elliptic | Brunswijker (O), De Moissac (O), Paille des vertus (O), Pompei (O) |

05 . 08 . Bulb/Bulblet: base colour of dry skin (23) (G) *

| | |
|------------|--|
| 1 - white | La Reine (O), Pompei (O) |
| 2 - grey | Griselle (S) |
| 3 - green | |
| 4 - yellow | Zittauer gelbe (O), Creation (S), Golden Gourmet (S), Topper (S) |
| 5 - brown | Valenciana Temprana (O), Delicato (S), Mirage (S), Mikor (S), Pikant (S) |
| 6 - pink | Colorada de Figueras (O), Rox (S), Santé (S) |
| 7 - red | Brunswijker (O), Red Baron (O) |

05 . 09 . Bulb/Bulblet: hue of colour of dry skin (in addition to base colour) (25) *

| | |
|---------------|-----------------------------------|
| 1 - absent | Pompei (O) |
| 2 - greyish | |
| 3 - greenish | |
| 4 - yellowish | Topper (S) |
| 5 - brownish | Santé (S) |
| 6 - pinkish | Delicato (S) |
| 7 - reddish | Mikor (S), Mirage (S), Pikant (S) |
| 8 - purplish | |

05 . 10 . Bulb/Bulblet: number of growing points per kg (27) (G) *

| | |
|-----------------------|---|
| 1 - very low | Barletta (O), Pompei (O) |
| 2 - very low to low | |
| 3 - low | Cuisse de Poulet du Poitou (O), Figaro (O), Owa (O) |
| 4 - low to medium | |
| 5 - medium | Longor (S), Mirage (S), Prisma (S) |
| 6 - medium to high | |
| 7 - high | Bonilla (S), Creation (S), Mikor (S) |
| 8 - high to very high | |
| 9 - very high | Griselle (S), Rox (S), Tropix (S) |

05 . 11 . Bulb/Bulblet: dry matter content (28) *

| | |
|-----------------------|---|
| 1 - very low | Exhibition (O)Please indicate the dry matter content in percentage |
| 2 - very low to low | Please indicate the dry matter content in percentage |
| 3 - low | Golden Bear (O), The Kelsae (O)Please indicate the dry matter content in percentage |
| 4 - low to medium | Please indicate the dry matter content in percentage |
| 5 - medium | Golden Gourmet (S), Topper (S)Please indicate the dry matter content in percentage |
| 6 - medium to high | Please indicate the dry matter content in percentage |
| 7 - high | Birnförmige (O), Zittauer gelbe (O), Creation (S), Longor (S)Please indicate the dry matter content in percentage |
| 8 - high to very high | Please indicate the dry matter content in percentage |
| 9 - very high | Griselle (S)Please indicate the dry matter content in percentage |

05 . 12 . Onion varieties only: Time of harvest maturity for autumn sown trials (foliage fall-over in 80% of plants) (33)

| | |
|-------------------------|---|
| 1 - very early | Please indicate comparable variety(ies) of your choice |
| 2 - very early to early | Please indicate comparable variety(ies) of your choice |
| 3 - early | La Reine, Sonic Please indicate comparable variety(ies) of your choice |
| 4 - early to medium | Please indicate comparable variety(ies) of your choice |
| 5 - medium | Buffalo, Imai Early Yellow, Valenciana Temprana Please indicate comparable variety(ies) of your choice |
| 6 - medium to late | Please indicate comparable variety(ies) of your choice |
| 7 - late | Guimar, Senshyu Semi Globe Yellow, Shakespeare Please indicate comparable variety(ies) of your choice |
| 8 - late to very late | Please indicate comparable variety(ies) of your choice |
| 9 - very late | Valencia tardía Please indicate comparable variety(ies) of your choice |

05 . 13.01 . Onion varieties only: Time of harvest maturity for spring sown trials (foliage fall-over in 80% of plants)
(34.1)

| | |
|-------------------------|--|
| 1 - very early | Please indicate comparable variety(ies) of your choice |
| 2 - very early to early | Please indicate comparable variety(ies) of your choice |
| 3 - early | Buffalo, Golden Bear Please indicate comparable variety(ies) of your choice |
| 4 - early to medium | Please indicate comparable variety(ies) of your choice |
| 5 - medium | Piroska Please indicate comparable variety(ies) of your choice |
| 6 - medium to late | Please indicate comparable variety(ies) of your choice |
| 7 - late | Beacon Please indicate comparable variety(ies) of your choice |
| 8 - late to very late | Please indicate comparable variety(ies) of your choice |
| 9 - very late | Please indicate comparable variety(ies) of your choice |

05 . 13.02 . Shallot varieties only: Time of harvest maturity (foliage fall-over in 80% of plants) (34.2)

| | |
|-------------------------|---|
| 1 - very early | Please indicate comparable variety(ies) of your choice |
| 2 - very early to early | Please indicate comparable variety(ies) of your choice |
| 3 - early | Ploumor, RoxPlease indicate comparable variety(ies) of your choice |
| 4 - early to medium | Please indicate comparable variety(ies) of your choice |
| 5 - medium | Creation, PikantPlease indicate comparable variety(ies) of your choice |
| 6 - medium to late | Please indicate comparable variety(ies) of your choice |
| 7 - late | Golden Gourmet, SantéPlease indicate comparable variety(ies) of your choice |
| 8 - late to very late | Please indicate comparable variety(ies) of your choice |
| 9 - very late | Please indicate comparable variety(ies) of your choice |

05 . 14 . Time of sprouting during storage (35) *

| | |
|-------------------------|---------------------------------|
| 1 - very early | |
| 2 - very early to early | |
| 3 - early | Golden Bear (O), The Kelsae (O) |
| 4 - early to medium | |
| 5 - medium | Hygro (O), Hyper (O) |
| 6 - medium to late | |
| 7 - late | Marion (O) |
| 8 - late to very late | |
| 9 - very late | |

05 . 15 . Male sterility (36) (G) *

| | |
|-------------------------|---|
| 1 - absent or very weak | Rijnsburger 5 (O)Please indicate the percentage of male sterile plants |
| 2 - weak | Hyduro (O), Creation (S)Please indicate the percentage of male sterile plants |
| 3 - strong | Atlas (S)Please indicate the percentage of male sterile plants |

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 . 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? *

Yes, specify

No

07 . 03 . Other information *

07 . 03.01 . Onion varieties only: Type

onion set production

silverskin

normal sowing onion

overwintering

other

Please indicate type

07 . 03.02 . Day length conditions which favour full bulb development *

short day

semi-short day

semi-long day

long day

07 . 03.03 . Resistances to pests and diseases *

Yes, specify

No

07 . 03.04 . Other information *

Yes, specify

No

07 . 04 . Photo

It is highly recommended to provide pictures (up to five). 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. Full guidance on the picture quality can be found here

07 . 04.01 . Details of the photo(s)

Place and conditions under which the material shown in the photo was grown (e.g. plants grown in the greenhouse vs. grown in the open field)

Date of the photo(s) (month and year)

07 . 04.02 . Attached photo(s)

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.

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

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