



## Technical questionnaire

### Pea

#### Version 13

*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:

*Pisum sativum* L.

Other species (please specify)

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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 \*

*(this question could be confidential)*

hybrid

cross-pollinated variety

self-pollinated variety

parent line

##### 04 . 02 . Method of propagation of the variety \*

*(this question could be confidential)*

seed propagated

vegetatively propagated

##### 04 . 03 . Other information on genetic origin and breeding method

*(this question could be confidential)*

Please specify

**05 . Characteristics \***

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

**05 . 01 . Growth type \***

1 - dwarf

2 - non dwarf

**05 . 02 . Plant: anthocyanin coloration (1) (G) \***

1 - absent

Avola, Solara

9 - present

Pidgin, Rosakrone

**05 . 03 . Stem: fasciation (3) \***

1 - absent

Avola, Solara

9 - present

Bikini, Rosakrone

**05 . 04 . Stem: length (4) (G) \***

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

**05 . 05 . Stem: number of nodes up to and including first fertile node (5) (G) \***

1 - very few

2 - very few to few

3 - few

4 - few to medium

5 - medium

6 - medium to many

7 - many

8 - many to very many

9 - very many

**05 . 05.01 . Stem: number of nodes up to and including first fertile node (5) (G) \***

actual number: \*

**05 . 06 . Foliage: colour (6) \***

1 - yellow green

3 - blue green

2 - green

**05 . 07 . Only for varieties with foliage colour: green; Foliage: intensity of green colour (7) \***

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

**05 . 08 . Leaf: leaflets (8) (G) \***

1 - absent

Hawk, Solara

9 - present

Avola, Rhea

**05 . 09 . Stipule: flecking (19) (G) \***

1 - absent

Lisa, Tafila

9 - present

Avola, Maro

**05 . 10 . Time of flowering (23) \***

1 - very early

2 - very early to early

3 - early

4 - early to medium

5 - medium

6 - medium to late

7 - late

8 - late to very late

9 - very late

**05 . 11 . Only varieties with stem fasciation: absent: Plant: max. number of flowers per node (24) \***

1 - one

2 - one to two

3 - two

4 - two to three

5 - three

6 - three to four

7 - four or more

**05 . 12 . Only varieties with plant anthocyanin coloration present: Flower: colour of wing (25) \***

1 - white with pink blush

2 - pink

3 - reddish purple

**05 . 13 . Flower: shape of base of standard (28) \***

1 - strongly raised

3 - moderately raised

5 - level

7 - moderately arched

9 - strongly arched

**05 . 14 . Pod: length (35) \***

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

**05 . 14.1 . Pod: length (35) \***

centimeter \*

**05 . 15 . Pod: width (36) \***

1 - very narrow

2 - very narrow to narrow

3 - narrow

4 - narrow to medium

5 - medium

6 - medium to broad

7 - broad

8 - broad to very broad

9 - very broad

**05 . 15.1 . Pod: width (36) \***

centimeter \*

**05 . 16 . Pod: parchment (37) (G) \***

1 - absent or partial	Sugar Ann
9 - entire	Avola, Solara

**05 . 17 . Excluding varieties with pod parchment: entire: Pod: thickened wall (38) (G) \***

1 - absent	Nofila, Reuzensuiker
9 - present	Cygnnet, Sugar Ann

**05 . 18 . Excluding varieties with pod: thickened wall: present: Pod: shape of distal part (39) (G) \***

1 - pointed	Jof, Oskar
2 - blunt	Avola, Solara

**05 . 19 . Pod: curvature (40) \***

1 - absent or very weak
2 - very weak to weak
3 - weak
4 - weak to medium
5 - medium
6 - medium to strong
7 - strong
8 - strong to very strong
9 - very strong

**05 . 20 . Pod: colour (41) (G) \***

1 - yellow	
2 - green	Avola, Solara
3 - blue green	Show Perfection
4 - purple	Blauwschokker

**05 . 21 . Only varieties with pod colour; green: Pod: intensity of green colour (42) \***

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

**05 . 22 . Excluding varieties with pod parchment: entire: Pod: suture strings (43) \***

1 - 1 - absent
9 - 9 - present

**05 . 23 . Pod: number of ovules (44) \***

- 1 - very few
- 2 - very few to few
- 3 - few
- 4 - few to medium
- 5 - medium
- 6 - medium to many
- 7 - many
- 8 - many to very many
- 9 - very many

**05 . 23.1 . Pod: number of ovules (44) \***

actual number: \*

**05 . 24 . Immature seed: intensity of green colour (45) (G) \***

- 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

**05 . 25 . Seed: type of starch grains (47) (G) \***

- |              |                      |
|--------------|----------------------|
| 1 - simple   | Adagio, Maro, Solara |
| 2 - compound | Avola, Polar         |

**05 . 26 . Seed: colour of cotyledon (50) (G) \***

- |            |                   |
|------------|-------------------|
| 1 - green  | Avola, Solara     |
| 2 - yellow | Caractacus, Hardy |
| 3 - orange |                   |

**05 . 27 . Only varieties with plant anthocyanin coloration; present: Seed: marbling of testa (51) (G) \***

- |             |               |
|-------------|---------------|
| 1 - absent  | Rhea, Rif     |
| 9 - present | Assas, Pidgin |

**05 . 28 . Only varieties with plant anthocyanin coloration present: Seed: violet or pink spots on testa (52) (G) \***

1 - absent	Pidgin, Rif
2 - faint	Assas, Susan
3 - intense	Arvika, Rhea

**05 . 29 . Seed: hilum colour (53) (G) \***

1 - same colour as testa	Avola, Solara
2 - darker than testa	Nofila, Rif

**05 . 30 . Seed: weight (55) \***

- 1 - very low
- 2 - very low to low
- 3 - low
- 4 - low to medium
- 5 - medium
- 6 - medium to high
- 7 - high
- 8 - high to very high
- 9 - very high

**05 . 30.01 . Seed: weight (55) \***

How many gram is plusminus the weight of 100 seeds:

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**05 . 31 . Resistance to *Fusarium oxysporum* (Common Wilt) f.sp. *pisi* (Fop) race 1 (56) (G) \***

- 1 - 1 - absent
- 9 - 9 - present

**05 . 32 . Resistance to *Erysiphe pisi* (Powdery mildew) (Ep) (57) (G) \***

- 1 - 1 - absent
- 9 - 9 - present

**05 . 33 . Resistance to *Ascochyta pisi* (Ascochyta leaf and pod spot) (Aps) race C (58) (G) \***

- not tested
- 1 - 1 - absent
- 9 - 9 - present

**06 . Similar varieties and differences from these varieties**

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

**06 . 01 . Are there any similar variety(ies) known? \***

- Yes
- No

**06 . 02 . Similar varieties and differences from these varieties: \***

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

**07 . Additional information which may help to distinguish the variety \*****07 . 01 . Resistance to pests and diseases \*****07 . 01.02 . Resistance to *Fusarium oxysporum* (Race 5) (Common Wilt) (56.2) \***

resistant  
susceptible  
not tested

**07 . 01.03 . Resistance to *Fusarium oxysporum* (Race 6) (Common Wilt) (56.3) \***

resistant  
susceptible  
not tested

**07 . 02 . Any other characteristics which may help to distinguish the variety \***

1 - yes (please specify):  
2 - no

**07 . 03 . Other information \*****07 . 03.01 . Main use \***

fresh market  
canning  
freezing  
dry seed for human consumption  
dry protein  
forage  
other:

**07 . 04 . Photo**

It is recommended to provide a representative colour image of full grown plant(s) of the variety to accompany the Technical Questionnaire.



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**08 . GMO-information requested \***

**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.**

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**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