



## TECHNICAL QUESTIONNAIRE

to be completed in connection with an application for Community Plant Variety Rights  
Please answer all questions. A question without any answer will lead to a non-attribution  
of an application date. In cases where a field / question is not applicable, please state so.

1. **Botanical taxon:** Name of the genus, species or sub-species to which the variety belongs and common name

*Pisum sativum* L.

PEA

2. **Applicant(s):** Name(s) and address(es), phone and fax number(s), Email address, and where appropriate name and address of the procedural representative

3. **Variety denomination**

a) Where appropriate proposal for a variety denomination:

b) Provisional designation (breeder's reference):

**4. Information on origin, maintenance and reproduction of the variety**

**4.1 Breeding, maintenance and reproduction of the variety**

- (a)
  - (i) hybrid.....
  - (ii) open-pollinated variety.....
  - (iii) parent line.....
- (b)
  - (i) seed propagated.....
  - (ii) vegetatively propagated .....
- (c) Other information on genetic origin and breeding method.....

**4.2 Method of propagation**

- (a) Seed propagated varieties
  - (i) Cross-pollination.....
  - (ii) Hybrid
    - seed-propagated parents .....
    - one vegetatively propagated and one seed-propagated parent .....
    - two vegetatively propagated parents.....
  - (iii) Other (please provide details) .....
- (b) Vegetative propagated varieties
  - (i) cuttings .....
  - (ii) *in vitro* propagation .....
  - (iii) other (state method) .....

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

**4.4 Shall the information on data relating to components of hybrid varieties including data related to their cultivation be treated as confidential?**

YES

NO

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

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

Breeding scheme (indicate female component first)

**5. Characteristics of the variety to be indicated** (the number in brackets refers to the corresponding characteristic in the CPVO Protocol; please mark the state of expression which best corresponds).

	Characteristics	Example varieties	Note
<b>5.1 (1)</b>	<b>Plant: anthocyanin coloration</b>		
	absent	Avola, Solara	1
	present	Pidgin, Rosakrone	9
<b>5.2 (4)</b>	<b>Stem: length</b>		
	very short	Zephir	1
	short	Nobel, Mini	3
	medium	Calibra, Xantos	5
	long	Blauwschokker, Livia	7
	very long	Mammoth Melting Sugar	9
<b>5.3 (5)</b>	<b>Stem: number of nodes up to and including first fertile node</b>		
	very few	Kelvil	1
	few	Smart, Zero4	3
	medium	Markana, Susan	5
	many	Cooper	7
	very many	Regina	9

	Characteristics	Example varieties	Note
5.4 (6)	<b>Foliage: colour</b>		
	yellow green	Pilot	1
	green	Avola, Paris, Progreta, Waverex	2
	blue green	Polar	3
5.5 (8)	<b>Leaf: leaflets</b>		
	absent	Hawk, Solara	1
	present	Avola, Rhea	9
5.6 (19)	<b>Stipule: flecking</b>		
	absent	Lisa, Tafila	1
	present	Avola, Maro	9
5.7 (23)	<b>Time of flowering</b>		
	very early	Tempo	1
	early	Smart, Zero4	3
	medium	Carlton, Waverex	5
	late	Cooper, Purser	7
	very late	Livioletta	9
5.8 (24)	<b><u>Only varieties with stem fasciation absent:</u> Plant: maximum number of flowers per node</b>		
	one	Progress N°9, Tyla	1
	two	Banff, Cooper	3
	three	Ultimo, Zodiac	5
	four or more	Arnesa, Calibra, Survivor	7
5.9 (25)	<b><u>Only varieties with plant anthocyanin coloration present:</u> Flower: colour of wing</b>		
	white with pink blush		1
	pink	Rosakrone	2
	reddish purple	Assas	3

	Characteristics	Example varieties	Note
5.10 (28)	<b>Flower: shape of base of standard</b>		
	strongly raised		1
	moderately raised	Progreta	3
	level	Markado, Solara	5
	moderately arched	Avola, Cooper	7
	strongly arched	Bohatyr, Kennedy	9
5.11 (35)	<b>Pod: length</b>		
	very short	Cepia, Vermio	1
	short	Progreta, Solara	3
	medium	Copper, Jof	5
	long	Hurst Green Shaft, Protor	7
	very long	Tirabeque	9
5.12 (36)	<b>Pod: width</b>		
	very narrow	Claire	1
	narrow	Picar, Ultimo	3
	medium	Progreta, Solara	5
	broad	Finale, Kahuna	7
	very broad	Kennedy	9
5.13 (37)	<b>Pod: parchment</b>		
	absent or partial	Sugar Ann	1
	entire	Avola, Solara	2
5.14 (38)	<b><u>Excluding varieties with pod parchment: entire:</u> Pod: thickened wall</b>		
	absent	Nofila, Reuzensuiker	1
	present	Cygnnet, Sugar Ann	9
5.15 (39)	<b><u>Only varieties with pod: thickened wall: absent:</u> Pod: shape of distal part</b>		
	pointed	Jof, Oskar	1
	blunt	Avola, Solara	2

	Characteristics	Example varieties	Note
5.16 (41)	<b>Pod: colour</b>		
	yellow		1
	green	Avola, Solara	2
	blue green	Show Perfection	3
	purple	Blauwschokker	4
5.17 (43)	<b><u>Excluding varieties with pod parchment: entire:</u> Pod: suture strings</b>		
	absent	Nofia, Sugar Lace	1
	present	Crispi, Reuzensuiker	9
5.18 (44)	<b>Pod: number of ovules</b>		
	few	De Grace, Phoenix	3
	medium	Backgammon, Hawk	5
	many	Karisma	7
5.19 (45)	<b>Immature seed: intensity of green colour</b>		
	light	Arabelle, Solara, Ultimo	3
	medium		5
	dark	Dark Skin Perfection, Hawaiï	7
5.20 (47)	<b>Seed: type of starch grains</b>		
	simple	Adagio, Maro, Solara	1
	compound	Avola, Polar	2
5.21 (50)	<b>Seed: colour of cotelydon</b>		
	green	Avola, Solara	1
	yellow	Caractacus, Hardy	2
	orange		3
5.22 (51)	<b><u>Only varieties with plant anthocyanin coloration present:</u> Seed: marbling of testa</b>		
	absent	Rhea, Rif	1
	present	Assas, Pidgin	9

Characteristics		Example varieties	Note
<b>5.23 (52)</b>	<b><u>Only varieties with plant anthocyanin coloration present:</u> Seed: violet or pink spots on testa</b>		
	absent	Pidgin, Rif	1
	faint	Assas, Susan	2
	intense	Arvika, Rhea	3
<b>5.24 (53)</b>	<b>Seed: hilum colour</b>		
	same colour as testa	Avola, Solara	1
	darker than testa	Nofila, Rif	2
<b>5.25 (55)</b>	<b>Seed: weight</b>		
	very low	Ultimo	1
	low	Hawk, Iceberg	3
	medium	Mammoth Melting Sugar, Phoenix	5
	high	Kennedy, Maro	7
	very high	Bamby, Kabuki	9
<b>6. Similar varieties and differences from these varieties:</b>			
Denomination of similar variety	Characteristic in which the similar variety is different <sup>1)</sup>	State of expression of similar variety	State of expression of candidate variety
<p><sup>1)</sup> In the case of identical states of expressions of both varieties, please indicate the size of the difference</p>			

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

**7.1 Resistance to pests and diseases**

Resistance to disease

Resistant      Susceptible      Not tested

*Fusarium Wilt* (Race 1) (Common Wilt)

*Fusarium Wilt* (Race 5) (Common Wilt)

*Fusarium Wilt* (Race 6) (Common Wilt)

*Erysiphe pisi* Syd. Powdery mildew

*Ascochyta pisi* (leaf and pod spot) Race C

Resistance to other diseases  
(please give details below)

**7.2 Special conditions for the examination of the variety**

YES, please specify

NO

**7.3 Other information**

Use:

Fresh market

Canning

Freezing

Dry seed for human consumption

Dry protein

Forage

Other (please specify)



**8. GMO-information required**

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

YES

NO

If yes, please add 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 (EC) No. 2100/94 does not pose risks to the environment according to the norms of the above-mentioned Directive.

**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), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.

**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) Microorganisms (e.g. virus, bacteria, phytoplasma)	Yes	No
(b) Chemical treatment (e.g. growth retardant or pesticide)	Yes	No
(c) Tissue culture	Yes	No
(d) Other factors	Yes	No

Please provide details of where you have indicated "Yes":

**10. Possible place of the technical examination**

In case the CPVO needs to arrange a technical examination for this candidate variety, there might be more than one examination office entrusted by the CPVO suitable to grow your variety. In this case, the Office will decide on the place of the technical examination but you might wish to express here a preference in respect of an examination office. The available entrusted examination offices for that species can be found in the S2 Gazette under <http://www.cpvo.europa.eu/main/en/home/documents-and-publications/s2-gazette>

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

Date

Signature

Name

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