

TECHNICAL QUESTIONNAIRE - PEA

To be completed in connection with an application for plant variety rights.

1. Species: Peas (*Pisum sativum* L.)

2. Owner of Variety:

Full name:

Address:

Breeder's name and address
(if different from owner)

3. Proposed denomination

Breeder's reference

4. Information on the breeding scheme and propagation of the variety:

a) Breeding scheme. Variety resulting from: *(please tick appropriate box and give variety name(s) if relevant)*

Crossing:

☐ Controlled cross *(Please state parent varieties)*

☐ Partially known cross *(Please state parent varieties)*

☐ Unknown cross *(Please state parent varieties)*

☐ Mutation *(Please state parent varieties)*

☐ Discovery and development

Where:

When:

☐ Other *(Please provide details)*

b) Method of propagating the variety:

5. Characteristic of the variety: *(Mark the state of expression which best corresponds)*

a) Plant: Anthocyanin colouration

- ☐ absent 1
☐ present 9

b) Stem: Number of nodes up to and including first fertile node

- ☐ very few 1
☐ few 3
☐ medium 5
☐ many 7
☐ very many 9

c) Foliage: Colour

- ☐ yellow green 1
☐ green 2
☐ blue green 3

d) Seed: Leaflets

- ☐ absent 1
☐ present 9

e) Stipule: Flecking

- ☐ absent 1
☐ present 9

f) Time of flowering:

- ☐ very early 1
☐ early 3
☐ medium 5
☐ late 7
☐ very late 9

g) Non-fasciated varieties only:

Plant: Maximum number of flowers per node

- ☐ one 1
☐ two 3
☐ three 5
☐ four or more 7

h) Varieties with anthocyanin colouration only:

Flower: Colour of wing

- ☐ white with pink blush 1
☐ pink 2
☐ reddish purple 3

i) Flower: Shape of base standard

- ☐ strongly raised 1
☐ moderately raised 3
☐ level 5
☐ moderately arched 7
☐ strongly arched 9

j) Pod: Length

- ☐ very short 1
☐ short 3
☐ medium 5
☐ long 7
☐ very long 9

k) Pod: Width

- ☐ very narrow 1
- ☐ narrow 3
- ☐ medium 5
- ☐ broad 7
- ☐ very broad 9

l) Pod: Parchment

- ☐ absent or partial 1
- ☐ entire 2

m) Excluding varieties with pod parchment: entire:

Pod: Thickened wall

- ☐ absent 1
- ☐ present 9

n) Only varieties with pod thickened wall absent:

Pod: Shape of distal part

- ☐ pointed 1
- ☐ blunt 2

o) Pod: Colour

- ☐ yellow 1
- ☐ green 2
- ☐ blue-green 3
- ☐ purple 4

p) Only varieties with pod parchment not complete:

Pod: Suture strings

- ☐ absent 1
- ☐ present 9

q) Pod: Number of ovules:

- ☐ few 3
- ☐ medium 5
- ☐ many 7

r) Immature seed: Intensity of green colour

- ☐ light 3
- ☐ medium 5
- ☐ dark 7

s) Seed: Type of starch grains

- ☐ simple 1
- ☐ compound 2

t) Seed: Colour of cotyledon

- ☐ green 1
- ☐ yellow 2
- ☐ orange 3

u) Only varieties with plant anthocyanin coloration present:

Seed: Marbling of testa

- ☐ absent 1
- ☐ present 9

v) Only varieties with plant anthocyanin coloration present:

Seed: Violet or pink spots on testa

- ☐ absent 1
- ☐ faint 2
- ☐ intense 3

w) Seed: Hilum colour

- ☐ same colour as testa 1
- ☐ darker than testa 2

x) Seed: Weight

- ☐ very low 1
- ☐ low 3
- ☐ medium 5
- ☐ high 7
- ☐ very high 9

6. Similar varieties and differences from these varieties:

(Please use the following table and box for comments to provide information on how your candidate variety differs from the variety(ies) which, to the best of your knowledge, is (or are) most similar. This information may help the PVR Office to conduct its examination of distinctness in a more efficient way.)

Denomination(s) of variety(ies) similar to yours.	Characteristic(s) (e.g. plant height) in which the similar variety differs from yours.	Describe the expression of the characteristic(s) for the similar variety (e.g. short).	Describe the expression of the characteristic(s) for your variety (e.g. Tall).
<p>Comments:</p>			

7. Additional information which may help in the examination of the variety:

a) In addition to the information provided in Sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?

☐ Yes ☐ No

If yes please provide details:

b) Are there any special conditions or requirements (media, soils, climate, greenhouse) for growing the variety or conducting the examination?

☐ Yes ☐ No

If yes please provide details:

c) Use:

- ☐ Fresh market
- ☐ Canning
- ☐ Freezing
- ☐ Dry seed for human consumption
- ☐ Dry protein
- ☐ Forage
- ☐ Other *(please provide details)*

d) Resistance to disease	Resistant	Susceptible	Not tested
Fusarium Wilt (Race 1) Common Wilt)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ascochyta (leaf and pod spot) Race C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Powdery mildew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Resistance to other diseases *(please provide details)*

e) Other information

f) Imported seed:

Has the seed supplied with the application been imported?

☐ Yes ☐ No

If "yes", please include with this application a copy of the latest MAF Biosecurity Authority Clearance Certificate (BACC).

8. Authorisation for release:

a) Does the variety require prior authorisation for release under legislation concerning the protection of the environment, human and animal health?

☐ Yes ☐ No

b) Has such authorisation been obtained?

☐ Yes ☐ No

If the answer to b) is yes, please attach a copy of such authorisation.