

Technical Questionnaire

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

Plant Variety Rights. *Protecting new plant varieties.*

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

2. Owner of Variety:

Full name _____

Address _____

(If different from owner)

Breeder's name and address _____

3. Proposed denomination or breeder's reference:

- 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
- | | | |
|--------------------------|---------|---|
| <input type="checkbox"/> | absent | 1 |
| <input type="checkbox"/> | present | 9 |
- b) Stem: Number of nodes up to and including first fertile node
- | | | |
|--------------------------|-----------|---|
| <input type="checkbox"/> | very few | 1 |
| <input type="checkbox"/> | few | 3 |
| <input type="checkbox"/> | medium | 5 |
| <input type="checkbox"/> | many | 7 |
| <input type="checkbox"/> | very many | 9 |
- c) Foliage: Colour
- | | | |
|--------------------------|--------------|---|
| <input type="checkbox"/> | yellow green | 1 |
| <input type="checkbox"/> | green | 2 |
| <input type="checkbox"/> | blue green | 3 |
- d) Seed: Leaflets
- | | | |
|--------------------------|---------|---|
| <input type="checkbox"/> | absent | 1 |
| <input type="checkbox"/> | present | 9 |
- e) Stipule: Flecking
- | | | |
|--------------------------|---------|---|
| <input type="checkbox"/> | absent | 1 |
| <input type="checkbox"/> | present | 9 |
- f) Time of flowering:
- | | | |
|--------------------------|------------|---|
| <input type="checkbox"/> | very early | 1 |
| <input type="checkbox"/> | early | 3 |
| <input type="checkbox"/> | medium | 5 |
| <input type="checkbox"/> | late | 7 |
| <input type="checkbox"/> | very late | 9 |
- g) Non-fasciated varieties only:
- | | | |
|--------------------------|------------------------------------|---|
| Plant: | Maximum number of flowers per node | |
| <input type="checkbox"/> | one | 1 |
| <input type="checkbox"/> | two | 3 |
| <input type="checkbox"/> | three | 5 |
| <input type="checkbox"/> | four or more | 7 |

h) Varieties with anthocyanin coloration only:

Flower:	Colour of wing	<input type="checkbox"/>	white with pink blush	1
		<input type="checkbox"/>	pink	2
		<input type="checkbox"/>	reddish purple	3

i) Flower: Shape of base of standard

<input type="checkbox"/>	strongly raised	1
<input type="checkbox"/>	moderately raised	3
<input type="checkbox"/>	level	5
<input type="checkbox"/>	moderately arched	7
<input type="checkbox"/>	strongly arched	9

j) Pod: Length

<input type="checkbox"/>	very short	1
<input type="checkbox"/>	short	3
<input type="checkbox"/>	medium	5
<input type="checkbox"/>	long	7
<input type="checkbox"/>	very long	9

k) Pod: Width

<input type="checkbox"/>	very narrow	1
<input type="checkbox"/>	narrow	3
<input type="checkbox"/>	medium	5
<input type="checkbox"/>	broad	7
<input type="checkbox"/>	very broad	9

l) Pod: Parchment

<input type="checkbox"/>	absent or partial	1
<input type="checkbox"/>	entire	2

m) Excluding varieties with pod parchment: entire:

Pod:	Thickened wall	<input type="checkbox"/>	absent	1
		<input type="checkbox"/>	present	9

n) Only varieties with pod thickened wall absent:

Pod:	Shape of distal part	<input type="checkbox"/>	pointed	1
		<input type="checkbox"/>	blunt	2

o) Pod: Colour

<input type="checkbox"/>	yellow	1
<input type="checkbox"/>	green	2
<input type="checkbox"/>	blue-green	3
<input type="checkbox"/>	purple	4

- p) Only varieties with pod parchment not complete:
- | | | | | |
|------|----------------|--------------------------|---------|---|
| Pod: | Suture strings | <input type="checkbox"/> | absent | 1 |
| | | <input type="checkbox"/> | present | 9 |
- q) Pod: Number of ovules:
- | | | | | |
|--|--|--------------------------|--------|---|
| | | <input type="checkbox"/> | few | 3 |
| | | <input type="checkbox"/> | medium | 5 |
| | | <input type="checkbox"/> | many | 7 |
- r) Immature seed: Intensity of green colour
- | | | | | |
|--|--|--------------------------|--------|---|
| | | <input type="checkbox"/> | light | 3 |
| | | <input type="checkbox"/> | medium | 5 |
| | | <input type="checkbox"/> | dark | 7 |
- s) Seed: Type of starch grains
- | | | | | |
|--|--|--------------------------|----------|---|
| | | <input type="checkbox"/> | simple | 1 |
| | | <input type="checkbox"/> | compound | 2 |
- t) Seed: Colour of cotyledon
- | | | | | |
|--|--|--------------------------|--------|---|
| | | <input type="checkbox"/> | green | 1 |
| | | <input type="checkbox"/> | yellow | 2 |
| | | <input type="checkbox"/> | orange | 3 |
- u) Only varieties with plant anthocyanin coloration present:
- | | | | | |
|-------|-------------------|--------------------------|---------|---|
| Seed: | Marbling of testa | <input type="checkbox"/> | absent | 1 |
| | | <input type="checkbox"/> | present | 9 |
- v) Only varieties with plant anthocyanin coloration present:
- | | | | | |
|-------|-------------------------------|--------------------------|---------|---|
| Seed: | Violet or pink spots on testa | <input type="checkbox"/> | absent | 1 |
| | | <input type="checkbox"/> | faint | 2 |
| | | <input type="checkbox"/> | intense | 3 |
- w) Seed: Hilum colour
- | | | | | |
|--|--|--------------------------|---------------------|---|
| | | <input type="checkbox"/> | same color as testa | 1 |
| | | <input type="checkbox"/> | darker than testa | 2 |
- x) Seed: Weight
- | | | | | |
|--|--|--------------------------|-----------|---|
| | | <input type="checkbox"/> | very low | 1 |
| | | <input type="checkbox"/> | low | 3 |
| | | <input type="checkbox"/> | medium | 5 |
| | | <input type="checkbox"/> | high | 7 |
| | | <input type="checkbox"/> | 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"/>
Powdery mildew	<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"/>
Resistance to other diseases <i>(please provide details)</i>			

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 an authorisation.

Signed by:

Please print name

Signature

Dated this _____ of _____
(day) (month) (year)