

TECHNICAL QUESTIONNAIRE – BARLEY

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

1. Species: Barley (*Hordeum vulgare* 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:

4.1 Breeding Scheme – Variety resulting from:

4.1.1 Crossing

Controlled cross (please state parent varieties)

	X	
Female parent		Male parent

Partially-known cross (please state parent varieties)

	X	
Female parent		Male parent

Unknown cross

4.1.2 Mutation (please state parent variety)

4.1.3 Discovery and development (please state where and when discovered and how developed)

4.1.4 Other (please provide details)

4.2 Method of propagating the variety

4.2.1 Seed-propagated varieties

Self-pollination

Hybrid

Other (please provide details)

4.2.2 Other (please provide details)

In the case of hybrid varieties the production scheme for the hybrid should be provided on a separate sheet. This should provide details of all parent lines required for propagating the variety and should identify in particular any male sterile lines and maintenance system of male sterile lines.

5. Characteristics of the variety: *(Mark the state of expression which best corresponds)*a) Time of ear emergence *(first spikelet visible on 50% of plants) –*

very early	1
very early to early	2
early	3
early to medium	4
medium	5
medium to late	6
<input type="checkbox"/> late	7
late to very late	8
very late	9

b) Plant: *Length (stem, ear and awns) –*

very short	1
very short to short	2
short	3
short to medium	4
medium	5
medium to long	6
long	7
long to very long	8
very long	9

Specify the mean date of ear emergence of your variety as well as two well-known comparable varieties:

Specify the length of your variety as well as two well-known comparable varieties:

c) Lowest leaves: Hairiness of leaf sheath

- absent 1
 present 9

e) Ear: Number of rows

- two 1
 six 2

f) Ear: Development of sterile spikelets

- none or rudimentary 1
 full 2

g) Grain: Rachilla hair type

- short 1
 long 2

i) Grain: Hairiness of ventral furrow

- absent 1
 present 9

d) Awns: Anthocyanin colouration of tips

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

h) Grain: Type

- non-husked 1
 husked 2

j) Grain: Seasonal type

- winter type 1
 alternative type 2
 spring type 3

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. time of ear emergence) in which the similar variety differs from yours.	Describe the expression of the characteristic(s) for the similar variety (e.g. late).	Describe the expression of the characteristic(s) for your variety (e.g. early to medium).

Comments:

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

7.1 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:

7.2 Are there any special conditions or requirements for growing the variety or conducting the examination?

Yes No

If yes please
provide details:

7.3 Other information:

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.

9. Information on plant material to be examined or submitted for examination:

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 allowed or requested by the PVR Office. 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, pesticide)	Yes	No
c) Tissue culture	Yes	No
d) Other factors	Yes	No

Please provide details for where you have indicated “yes”: