



## 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

*Hordeum vulgare L. sensu lato*

BARLEY

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 Origin**

- (a) Seedling (indicate parent varieties).....
  
- (b) Mutation (indicate parent variety).....
  
- (c) Discovery (indicate where, when and how the variety has been developed): .....
  
- (d) Other (please specify).....

**4.2 Method of propagation**

- (a) Cuttings .....
- (b) *In vitro* propagation.....
- (c) Seed .....
- (d) Other (please specify): .....

**4.3 Other information:**

In the case of seed propagated varieties: method of production:

- (a) Self-pollinated.....
- (b) Cross-pollinated (please give details) .....
  
- (c) Hybrid (please give details) .....

<b>4.4</b>	<b>Geographical origin of the variety:</b>	the region and the country in which the variety was bred or discovered and developed		
<b>4.5</b>	<b>Shall the information on data relating to components of hybrid varieties including data related to their cultivation be treated as confidential?</b>			
	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)			
<b>5.</b>	<b>Characteristics of the variety to be indicated</b> (the number in brackets refers to the corresponding characteristic in the CPVO Protocol; please mark the state of expression which best corresponds).			
	<b>Characteristics</b>	<b>Example varieties</b>	<b>Note</b>	
<b>5.1</b> <b>(28)</b>	<b>Seasonal type</b>			
	winter type	Target; -	1	
	alternative type	Novetta; -	2	
	spring type	-; Alexis	3	
<b>5.2</b> <b>(2)</b>	<b>Lowest leaves: hairiness of leaf sheats</b>			
	absent	Marylin; Alexis	1	
	present	Pastoral; Ceres	9	
<b>5.3</b> <b>(6)</b>	<b>Time of ear emergence (first spikelet visible on 50% of ears)</b> <b>(quote mean date of heading of variety as well as of two well-known comparable varieties)</b>			

	Characteristics	Example varieties	Note
<b>5.4 (7)</b>	<b>Awns: intensity of anthocyanin coloration of tips</b>		
	absent or very weak	Monika; -	1
	weak	Rebelle; Berenice	3
	medium	Fedora; Alexis	5
	strong	Susi; Atem	7
	very strong	Frolic; Beate	9
<b>5.5 (10)</b>	<b>Plant: length (stem; ear and awns) (quote length of variety as well as of two well-known comparable varieties)</b>		
<b>5.6 (11)</b>	<b>Ear: number of rows</b>		
	two	Pastoral; Aramir	1
	more than two	Rebelle; Dobla	2
<b>5.7 (21)</b>	<b>Grain: rachilla hair type</b>		
	short	Barberousse; Atem	1
	long	Pastoral; Alexis	2
<b>5.8 (25)</b>	<b>Grain: hairiness of ventral furrow</b>		
	absent	Pastoral; Alexis	1
	present	Plaisant; Cheri	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
<hr/> <p><sup>1)</sup> In the case of identical states of expressions of both varieties, please indicate the size of the difference</p>			
<b>7. Additional information which may help to distinguish the variety</b>			
<b>7.1 Resistance to pests and diseases</b>			
<b>7.2 Special conditions for the examination of the variety</b>			
YES, please specify			
NO			
<b>7.3 Other information</b>			
YES, please specify			
NO			

**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":

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

[End of document]