

Section 4 - Information on origin, maintenance and reproduction of the variety**4.1 Do you wish the details and data relating to components of hybrid varieties including data related to their cultivation to be treated as confidential?**Yes No

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

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

Breeding scheme (indicate female component first)

4.2 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)

4.3 Method of propagation

(a) Cuttings

(b) *In vitro* propagation

(c) Seed

(d) Other (please specify)

4.4 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)

4.5 Geographical origin of the variety: the region and the country in which the variety was bred or discovered and developed**Section 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).**

Characteristic	Example varieties	Note
5.1 Seasonal type (29)		
Winter type	Henriette	1 <input type="checkbox"/>
Alternative type	Farandole	2 <input type="checkbox"/>
Spring type	Grace	3 <input type="checkbox"/>

Characteristic	Example varieties	Note									
5.2 Lowest leaves: hairiness of leaf sheath (4)											
Absent	Grace, California	1 <input type="checkbox"/>									
Present	Henriette	9 <input type="checkbox"/>									
5.3 Time of ear emergence (first spikelet visible on 50% of ears) (7) (quote mean date of heading of variety as well as two well known comparable varieties)	<table border="1"> <thead> <tr> <th>Candidate variety</th> <th colspan="2">Comparable varieties</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Candidate variety	Comparable varieties							
Candidate variety	Comparable varieties										
5.4 Awns: anthocyanin colouration of tips (9)											
Absent or very weak	California	1 <input type="checkbox"/>									
Very weak to weak		2 <input type="checkbox"/>									
Weak	Pirona, Lomerit	3 <input type="checkbox"/>									
Weak to medium		4 <input type="checkbox"/>									
Medium	Ebson, Marielle	5 <input type="checkbox"/>									
Medium to strong		6 <input type="checkbox"/>									
Strong	Grace, Semper	7 <input type="checkbox"/>									
Strong to very strong		8 <input type="checkbox"/>									
Very strong	Willma	9 <input type="checkbox"/>									
5.5 Plant: length (stem, ear and awns) (13) (quote length of variety as well as two well known comparable varieties)	<table border="1"> <thead> <tr> <th>Candidate variety</th> <th colspan="2">Comparable varieties</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Candidate variety	Comparable varieties							
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5.6 Ear: development of sterile spikelets (15)											
Non or rudimentary	Grace, California	1 <input type="checkbox"/>									
Full	Quench, Casanova	2 <input type="checkbox"/>									
5.7 Ear: number of rows (14)											
Two	Grace, California	1 <input type="checkbox"/>									
Six	Olsok, Henriette	2 <input type="checkbox"/>									
5.8 Grain: rachilla hair type (24)											
Short	Quench, KWS Joy	1 <input type="checkbox"/>									
Long	Grace, California	2 <input type="checkbox"/>									
5.9 Grain: hairiness of ventral furrow (27)											
Absent	Grace, Henriette	1 <input type="checkbox"/>									
Present	Saffron	9 <input type="checkbox"/>									

Section 6 – Similar varieties and differences from these varieties:

Denomination of similar variety	Characteristic in which the similar variety is different ¹	State of expression of similar variety	State of expression of candidate variety

¹ In the case of identical states of expression of both varieties, please indicate the size of the difference.

7.2 Special conditions for the examination of the variety

Yes, please specify

No

If it is agreed to carry out a special DUS test an appropriate charge will be levied

7.3 Other information

Yes, please specify

No

Section 8 - GMO and other Novel types

Does this application relate to a Genetically Modified Organism as defined in Section 106 of the Environmental Protection Act 1990?

Yes No

If “Yes” you must complete form PVS9/B Genetically Modified and other Novel Candidates.

Section 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).

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) Micro-organisms (eg virus, bacteria, phytoplasma)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(b) Chemical treatment (eg growth retardant or pesticide)	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(c) Tissue culture	Yes <input type="checkbox"/>	No <input type="checkbox"/>
(d) Other factors	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Please provide details of where you have indicated “Yes”

Section 10 - Value for Cultivation and use (VCU) information (for NL purposes only)

10.1 Standard VCU characters and agreed optional characters

The obligatory VCU characters measured for all candidates are shown in bold in the VCU procedures at <https://www.gov.uk/guidance/vcu-protocols-and-procedures-for-testing-agricultural-crops>, or are available from the Animal and Plant Health Agency (APHA). Agreed procedures exist for some optional characters (shown in italics in the VCU procedures). If you wish any of these to be assessed, you must request that they be measured by ticking the appropriate box – see below. Additional fees will be charged by the trial organiser.

Do you wish any optional characters to be measured? Yes No

If ‘Yes’ please give details

Malt Feed

This information will be passed to BSPB for organisation of tests to provide data primarily for the Recommended List but which may also be used for National Listing, if required. Please note that this only applies to quality tests which BSPB routinely organises. For any other merit claim see below.

10.2 Additional VCU characters

Are there any non-standard characters to be measured?

Yes No

If **'Yes'** please provide details of the proposed test to APHA. The characteristic being tested for must have Value for Cultivation and Use. The test must be able to demonstrate whether the candidate has the characteristic and be statistically valid. The agreement of the UK National Authorities is required before special tests can be undertaken and additional fees will be charged.

10.3 Other factors for VCU assessment

Are there any other factors that should be taken into account for the VCU assessment (e.g. susceptibility to commercial herbicides, special uses, agronomic characteristics, pest/disease resistance)?

Yes No

If **'Yes'** please give details

Declaration

I/We declare that to the best of my/our knowledge and belief the statements made in this Technical Questionnaire are correct

Signature of Applicant

Date

(original signature unless emailed)

Name in BLOCK letters

For and on behalf of