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**Section 4 - Information on origin, maintenance and reproduction of the variety**

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**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)

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**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)

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**4.3 Method of propagation**

(a) Cuttings

(b) *In vitro* propagation

(c) Seed

(d) Other (please specify)...

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**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)

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**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
<b>5.1 Stem: hairiness of uppermost node (7)</b>		
Absent or very weak	Canyon, Calvaro	1 <input type="checkbox"/>
Weak	Anchuela	3 <input type="checkbox"/>
Medium	Flavia	5 <input type="checkbox"/>
Strong	Forridena, Mascani	7 <input type="checkbox"/>
Very strong	Kankan	9 <input type="checkbox"/>

Characteristic	Example varieties	Note
<b>5.2 Time of panicle emergence (first spikelet visible on 50% of panicles) (6)</b> (quote mean date of heading of variety as well as two well known comparable varieties)		
	Comparable varieties	
Candidate variety		

<b>5.3 Glume: glaucosity (9)</b>		
Absent or very weak	Rapidena	1 <input type="checkbox"/>
Weak	Canyon, Hendon	3 <input type="checkbox"/>
Medium	Harmony, RGT Victorious	5 <input type="checkbox"/>
Strong	Komfort, Black Beauty	7 <input type="checkbox"/>
Very strong	Odal	9 <input type="checkbox"/>

<b>5.4 Plant: length (stem, panicle and awns if present) (13)</b> (quote length of variety as well as two well known comparable varieties)		
	Comparable varieties	
Candidate variety		

<b>5.5 Grain: husk (15)</b>		
Absent	Lennon, Hendon	1 <input type="checkbox"/>
Present	Canyon, Calvaro	9 <input type="checkbox"/>

<b>5.6 Seed: colour of lemma (1)</b>		
White	Harmony, Gerald, RGT Lineout	1 <input type="checkbox"/>
Yellow	Canyon, Mascani, Rhapsody	2 <input type="checkbox"/>
Brown	Everest PZO, Prevision	3 <input type="checkbox"/>
Black	RGT Iliade, Calvaro	4 <input type="checkbox"/>

<b>5.7 Seasonal type (22)</b>		
Winter type	Balado, RGT Lineout	1 <input type="checkbox"/>
Alternative type	Forridena	2 <input type="checkbox"/>
Spring type	Harmony, Stella Doro	3 <input type="checkbox"/>

**Section 6 – Similar varieties and differences from these varieties:**

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

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

**Section 7 – Additional information which may help to distinguish the variety**

**7.1 Resistance to pests and diseases**

**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       No
- (b) Chemical treatment (eg 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"

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**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. 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

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**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.

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**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

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**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