

Official Use Only	
Ref. AFP	<input type="text"/> / <input type="text"/>
GM	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other Restrictions	Yes <input type="checkbox"/> No <input type="checkbox"/>

Technical Questionnaire (HERBAGE)

Plant Varieties Act 1997 and
 The Seeds (National Lists of Varieties) Regulations 2001 (as amended)

Please note:

- The completed TQ and the application will form part of the public record for this variety
- The seed submitted for DUS in the first year will be regarded as the definitive stock
- All relative sections of this form **must** be completed. An incomplete form may result in a delay in processing the application
- Completed forms should be e-mailed to NLPBR-Applications@apha.gsi.gov.uk
- Alternatively forms may be sent to:

The Animal and Plant Health Agency, Eastbrook, Shaftesbury Road, Cambridge, CB2 8DR
Telephone 0208 026 5993.

Section 1 - Application details

(a) National Listing (NL) Plant Breeders' Rights (PBR) Parental Line (PL)

(b) Species or sub-species: Latin name

(c) Common name

(d) Use Forage Amenity Legume

(e) Please give details of applications already made or to be made in any other countries

Country	Date	Application No.	NL	PBR	Variety name or Breeders' reference

(f) Has an application for European Community Plant Breeders' Rights (ECPBR) been made?.....Yes No

If 'Yes', Please state date of application

Section 2 - Applicant details

(a) Name and address of applicant for

• National Listing:

• Plant Breeders' Rights (if different)

Name and address of breeder:

Name and address for correspondence:
 Is the address for:

• service or

• agent

An agent is authorised to act for the applicant on all aspects of an application, including instructions to withdraw applications, delete from a National List or surrender Plant Breeders' Rights

Section 3 - Variety denomination

(a) Where appropriate proposal for a variety denomination

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(b) Provisional designation (breeder's name/reference)

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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)

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4.2 Origin

(a) Seedling (indicate parent varieties)

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(b) Mutation (indicate parent variety)

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(c) Discovery (indicate where, when and how the variety has been developed)

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(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)

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(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

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Section 5 - Characteristics of the variety to be indicated

Ploidy (diploid, tetraploid etc)

Chromosome numbers

Red Fescue: rhizomes Present

Absent

Section 6 - Similar varieties and differences from these varieties

Variety or varieties most similar to the new variety in date of ear emergence or flowering date. State the number of days earlier or later. *Please submit detailed observational/measured evidence including confidence limits.* In the case of clover the similarity should be based on leaf size.

	Name	Date of ear emergence, flowering date or leaf size
Candidate		
Similar varieties		

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"

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

10.1 Standard VCU category – (This Section need not be completed for amenity grasses)

Certain categories are currently recognised for VCU of ryegrass and ryegrass hybrids. Please indicate below the categories which are appropriate for this application. Appropriate charges will be levied by those parties authorised by the Animal and Plant Health Agency (APHA) to carry out such tests. Entry in more than one trial will increase the cost. Hybrid ryegrasses and festulolium should only be tested in up to two of the three testing systems – PRG and HRG or IRG and HRG.

if an Italian Ryegrass state	Italian trial	<input type="checkbox"/>	and/or Hybrid trial	<input type="checkbox"/>		
if a Hybrid Ryegrass state	Hybrid trial	<input type="checkbox"/>	and/or Perennial trial	<input type="checkbox"/>	and/or Italian trial	<input type="checkbox"/>
<i>if a Festulolium state</i>	Hybrid trial	<input type="checkbox"/>	and/or Italian trial	<input type="checkbox"/>	and/or Perennial trial	<input type="checkbox"/>
<i>if a Tall Fescue</i>	Hybrid trial	<input type="checkbox"/>	and/or Italian trial	<input type="checkbox"/>		

Under the conservation management each maturity group within a species is cut on a different date. It is, therefore, very important that each variety is correctly classified and tested in the correct group. An incorrect classification could lead to the results for a variety being declared invalid. A list of heading dates for varieties on the National List is available on request.

The groups which will be used in the trials are set out below together with the varieties which determine the borderlines. A variety name placed just above or below a line denotes that it is, respectively, the latest or the earliest in the group in which it falls. Please write name of candidate in the box for appropriate group.

For example – an intermediate variety of perennial ryegrass should be later in date of heading than Lilora but as early or earlier than Barplus.

HEADING DATE GROUP FOR GRASSES

PERENNIAL RYEGRASS

<input type="checkbox"/> Very early and early	<input type="text"/>
Lilora	
<input type="checkbox"/> Intermediate	<input type="text"/>
Barplus	
<input type="checkbox"/> Late and very late	<input type="text"/>

ITALIAN RYEGRASS

All varieties are tested in one group

TIMOTHY

<input type="checkbox"/> Early	<input type="text"/>
Climax	
<input type="checkbox"/> Intermediate	<input type="text"/>
Motim	
<input type="checkbox"/> Late	<input type="text"/>

LEAF SIZE/GROUPS FOR WHITE CLOVER

Terminal leaflet Units = length x breadth (mm²)

<input type="checkbox"/> Small	<input type="text"/>
Smaller than Crusader	
<input type="checkbox"/> Medium	<input type="text"/>
Equal to or larger than Crusader but equal to or smaller than Merwi	
<input type="checkbox"/> Large	<input type="text"/>
Larger than Merwi but smaller than Triffid	
<input type="checkbox"/> Very large	<input type="text"/>
Equal to or larger than Triffid	

10.2 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 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

10.3 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.

10.4 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