

## TECHNICAL QUESTIONNAIRE – RYEGRASS

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

1. Species: Ryegrass (*Lolium* L.) (Please indicate which applies)

*L. multiflorum* (Westerwolds ryegrass)

*L. boucheanum* (Hybrid ryegrass)

*L. multiflorum* (Italian ryegrass)

*L. perenne* (Perennial ryegrass)

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:

a) Breeding scheme: Variety resulting from: (Please tick appropriate box and give variety name(s) if relevant)

Controlled cross (Please state parent varieties)

Partially known cross (Please state known parent variety(ies))

Unknown cross

Mutation (Please state parent varieties)

Discovery and development

Where:

When:

Other *(Please provide details)*

b) Method of propagating the variety:

5. Characteristics of the variety *(Mark the state of expression which best corresponds. An example variety, representing the state of expression, may be provided for some states of expression.)*

5.1 Ploidy:

diploid

tetraploid

For the following characteristics, additional information can be found under the Technical Questionnaires page on the IPONZ website (<https://www.iponz.govt.nz/about-ip/pvr/technical-questionnaires/>).

5.2 **Westerwolds ryegrass varieties only**

Plant: Time of inflorescence emergence

early                      Ascend (4n)

early to medium              Apollo Gold (4n)

medium                      Archie (4n)

medium to late              Liquattro (4n)

late

### 5.3 Perennial, Italian and Hybrid ryegrass varieties only

Plant: Time of inflorescence emergence

- |                          |                     |  |
|--------------------------|---------------------|--|
| <input type="checkbox"/> | very early          | Fitzroy (PD), Meridian (PD)            |
| <input type="checkbox"/> | very early to early | Tyson (PD)                             |
| <input type="checkbox"/> | early               | Joule (PD), Kingston (PD)              |
| <input type="checkbox"/> | early to medium     | Supreme Plus (HD), XTM (PD), Rely (PD) |
| <input type="checkbox"/> | medium              | Valiant (HD), Sonik (ID), Indiana (PD) |
| <input type="checkbox"/> | medium to late      | Storm (HT), One50 (PD), Conquest (ID)  |
| <input type="checkbox"/> | late                | AberGain (PT), Tolosa (PD)             |
| <input type="checkbox"/> | late to very late   | Elital (PT)                            |
| <input type="checkbox"/> | very late           | Pastoral (PT)                          |

5.3a Specify if your variety is earlier or later than:

- |                          |                             |                          |                           |
|--------------------------|-----------------------------|--------------------------|---------------------------|
| <input type="checkbox"/> | earlier than Grasslands Nui | <input type="checkbox"/> | later than Grasslands Nui |
| <input type="checkbox"/> | earlier than Tama           | <input type="checkbox"/> | later than Tama           |
| <input type="checkbox"/> | earlier than Shogun         | <input type="checkbox"/> | later than Shogun         |
| <input type="checkbox"/> | earlier than Base           | <input type="checkbox"/> | later than Base           |
| <input type="checkbox"/> | earlier than AberGain       | <input type="checkbox"/> | later than AberGain       |

Number of days earlier/later:

5.4 Plant: Length of longest stem, inflorescence included (*Once fully expanded*)

- |                          |                     |   |
|--------------------------|---------------------|---|
| <input type="checkbox"/> | very short          | Uno (turf)                                    |
| <input type="checkbox"/> | very short to short | Grasslands Ruanui (PD), Rohan (PD)            |
| <input type="checkbox"/> | short               | Grasslands Nui (PD), One50 (PD)               |
| <input type="checkbox"/> | short to medium     | Astonenergy (PT)                              |
| <input type="checkbox"/> | medium              | Shogun (HT), Tabu (ID)                        |
| <input type="checkbox"/> | medium to long      | Grasslands Moata (WT), Ceres Crusader (ID)    |
| <input type="checkbox"/> | long                | Liquattro (WT)                                |
| <input type="checkbox"/> | long to very long   | Winter Star II (WT), Jivet (WT), Speedyl (WT) |
| <input type="checkbox"/> | very long           |   |

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 your candidate variety.	Characteristic(s) (e.g. stem length) in which your candidate variety differs from the similar variety(ies).	Describe the expression of the characteristic(s) for the similar variety(ies) (e.g. short).	Describe the expression of the characteristic(s) for your candidate variety (e.g. long).
Comments:			

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

- a) 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:

- b) Are there any special conditions or requirements (e.g. media, soils, climate, greenhouse) for growing the variety or conducting the examination?

Yes       No

If yes, please provide details:

c) Main use of the variety:

Forage

Amenity

Other *(Please provide details)*

d) Other information:

e) For varieties bred overseas, please complete this section:

Has seed supplied at application been imported? *(Please tick the appropriate box)*

Yes

No

If yes, please include with this application a copy of the latest Biosecurity Authority Clearance Certificate (BACC) from the Ministry of Primary Industries.

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 submitted for examination:

a) The endophyte status of the seed sample submitted is:

Free of viable endophyte

Viable endophyte is present

Viable endophyte status unknown

b) If endophyte is present, please provide the variety of endophyte (if known):

- c) If endophyte is present, please provide the approximate level (%) of infected seed with viable endophyte (if known):