

## NEW ZEALAND PLANT VARIETY RIGHTS OFFICE

## TECHNICAL QUESTIONNAIRE

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

**BLUEBERRY (*Vaccinium L.*)**

1. Owner of variety:

2. Proposed denomination or breeder's reference:

3. Classification of the variety (tick one):

- |                          |                             |                             |                                   |
|--------------------------|-----------------------------|-----------------------------|-----------------------------------|
| <input type="checkbox"/> | Highbush, Northern Highbush | <input type="checkbox"/>    | Southern Highbush, Swamp Highbush |
| <input type="checkbox"/> | Lowbush, Upland Lowbush     | <input type="checkbox"/>    | Canada Blueberry, Sourtop         |
| <input type="checkbox"/> | Rabbiteye                   | <input type="checkbox"/>    | Upland Highbush                   |
| <input type="checkbox"/> | Bilberry                    | other (e.g. Hybrids): _____ |                                   |

4. Information on breeding scheme and origin of the variety:

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

- Seedling of unknown parentage
- Produced by controlled pollination
- Seed bearing parent \_\_\_\_\_
- Pollen parent \_\_\_\_\_
- Produced by open pollination of \_\_\_\_\_
- Mutation or sport from \_\_\_\_\_

b) *In vitro* propagation:

The plant material has been obtained by *in vitro* propagation:  Yes  No

The virus status of the variety is: (Please tick the appropriate box)

- virus free
- virus tested (indicate against which virus)
- virus status is unknown

c) Other information -

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5. Characteristic of the variety (mark the state of expression which best corresponds) -

a) Plant: growth habit -

upright  
semi upright  
spreading

b) Fruit: size -

small  
medium  
large

c) Fruit: colour (after bloom removal) -

light blue  
medium blue  
dark blue  
blue red

d) Plant: fruiting type –

on one year old shoots only  
on one year old and current season's shoots

e) Time of beginning of flowering on one year old shoots-

very early  
early  
medium  
late  
very late

f) Time of beginning of flowering on current year's shoots -

very early  
early  
medium  
late  
very late

g) Time of beginning of fruit ripening on one year old shoots -

very early  
early  
medium  
late  
very late

- h) Time of beginning of fruit ripening on current year's shoots-
- very early
  - early
  - medium
  - late
  - very late

- i) Other characteristics of the variety -

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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 yours.	Characteristic(s) (e.g. plant height) in which the similar variety differs from yours.	Describe the expression of the characteristic(s) for the similar variety (e.g. short).	Describe the expression of the characteristic(s) for your variety (e.g. tall).
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:

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- b) **Other information:**

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8. *It is recommended that the PVR evaluation of new varieties be conducted by Plant and Food Research at Ruakura. This evaluation would be by arrangement between the applicant and Plant and Food Research. To make arrangements contact:*

*Peter Jones  
Hawkes Bay Research Centre  
Plant and Food Research  
Private Bag 1401  
Havelock North 4157  
Ph (06) 975 8880 [peter.jones@plantandfood.co.nz](mailto:peter.jones@plantandfood.co.nz)*

Tick the appropriate box:

- I have arranged for the variety to be tested by Plant and Food Research at Ruakura.
- I intend to arrange for the variety to be tested by Plant and Food Research at Ruakura.
- I propose/wish to discuss an alternative way of evaluating bushes for PVR.  
Give details:

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9. If the variety is from overseas complete this section. Tick the appropriate box:

- Plant material has been released in New Zealand from quarantine.
- Plant material is in New Zealand plant quarantine and should be released on \_\_\_\_\_
- Plant material has not yet been imported into New Zealand.

If so when do you expect importation to occur: \_\_\_\_\_

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10. 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.

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**Note:** Colour image or photographs must be supplied at application for a fruit, ornamental or tree variety. The following are the requirements that apply.

Supply a colour image or photograph representative of the variety and displaying as well as possible its chief distinguishing feature(s). The image or photographs may be of the whole plant of the new variety and/or of plant parts such as the fruit or the flowers, whichever is most appropriate. Do not supply an image or photograph of the original bred or discovered plant, or in the case of a new mutation or sport the plant part from which the variety originated. Instead you should supply the image or photograph based upon plants or trees propagated from the original plant or plant part.

Signature: ..... Date: .....