

## NEW ZEALAND PLANT VARIETY RIGHTS OFFICE

## TECHNICAL QUESTIONNAIRE

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

**STRAWBERRY (*Fragaria L.*)**

1. Owner of variety:

2. Proposed denomination or breeder's reference:

3. Information on origin and reproduction of the variety:

a) Method of breeding or selection (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.

- Virus status. The variety is:

virus free

virus tested (indicate against which virus)

virus status is unknown

c) Other information -

4. Characteristic of the variety (mark the state of expression which best corresponds) –
- a) Plant: growth habit -
    - upright
    - semi upright
    - spreading
  
  - b) Inflorescence: position relative to foliage -
    - beneath
    - level with
    - above
  
  - c) Petal: colour of upper side -
    - greenish white
    - white
    - pink
    - red
  
  - d) Fruit: size -
    - very small
    - small
    - medium
    - large
    - very large
  
  - e) Fruit: predominant shape -
    - reniform
    - oblate
    - round
    - conical
    - bi-conical
    - ovate
    - wedged
    - ovoid (almost cylindrical)
    - cordate (cordiform)
  
  - f) Fruit: colour -
    - whitish yellow
    - light orange
    - orange
    - orange red
    - red
    - dark red
    - red black
  
  - g) Time of ripening (50% of plants with ripe fruit) -
    - very early
    - early
    - medium
    - late

very late

- h) Type of bearing -  
 not remontant  
 partially remontant  
 fully remontant (non flowering runners)  
 day neutral (flowering runners)

- i) Other characteristics of the variety -

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5. Similar varieties and differences from these varieties:

Denomination (s) of variety(ies) similar to yours	Characteristic(s) (eg plant height) in which the similar variety differs from yours	Describe the expression of the characteristic(s) for the similar variety (eg short)	Describe the expression of the characteristic(s) for your variety (eg tall)

6. Additional information which may help distinguish the variety:

- a) Resistance to pests and diseases -

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- b) Other information -

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7. We strongly urge that the variety be evaluated with other candidate varieties, if any, at a single test site.

Mr Geoff Langford of HortResearch is prepared to conduct such a trial. The cost involved would be a matter to be arranged between applicant and HortResearch. To make arrangements contact

*Geoff Langford  
HortResearch  
P O Box 51  
LINCOLN, CANTERBURY  
Phone: (03) 325 6604 Fax: (03) 325 6600*

Tick the appropriate box:

- I have arranged for the variety to be tested as suggested.
- I intend to arrange for the variety to be tested as suggested.
- I propose/wish to discuss an alternative way of evaluating the variety for PVR.  
Give details:

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8. 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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9. 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.

**Note:** Colour photographs must be supplied at application. The following are the requirements that apply.

Supply colour prints of minimum size 15 cm x 10 cm, not slides. Photographs should be of good quality and in duplicate. They should be representative of the variety and display as well as possible its chief distinguishing feature (s). The 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 photographs of the original bred or discovered plant of the variety, or in the case of a new mutation or sport the plant part from which the variety originated. Instead you should supply photographs based upon plants or trees propagated from the original plant or plant part.

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