

## TECHNICAL QUESTIONNAIRE – APPLE

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

1. Species: Apple (*Malus domestica* Borkh.)

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) Method of breeding or selection *(Please 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) Method of propagating the variety

Vegetative propagation

Grafting

Other

c) The virus status of the variety is:

5. Characteristics of the variety: *(Mark the state of expression which best corresponds)*

a) Tree: type –

- columnar (Wijcik)  
 ramified

b) Tree: habit –

- upright  
 spreading  
 drooping  
 weeping

c) Fruit: general shape –

- cylindrical waisted  
 conic  
 ovoid  
 cylindrical (Gravenstein)  
 ellipsoid  
 obloid

d) Fruit: relative area of over colour –

- absent or very small (Granny Smith)  
 small (Cox's Orange Pippin)  
 medium (Gala)  
 large (Joburn)  
 very large (Galaxy)

e) Fruit: hue of over colour *(bloom removed)* –

- orange red (Cox's Orange Pippin)  
 pink red (Cripps Pink)  
 red (Regal Prince)  
 purple red (Spartan)  
 brown red (Joburn)

f) Fruit: pattern of over colour –

- only solid flush (Regal Prince)  
 solid flush with weakly defined stripes (Galaxy)  
 solid flush with strongly defined stripes (Jonagored)  
 weakly defined flush with strongly defined stripes  
 only stripes (no flush) (Royal Gala)  
 flushed and mottled  
 flushed, striped and mottled

g) Fruit: Width of stripes –

- narrow (Eden)  
 medium (Royal gala)  
 broad (Baigent, Caudle)

h) Time of beginning of flowering –

- very early  
 early  
 medium  
 late  
 very late

i) Time of eating maturity –

- very early  
 early (Sunrise)  
 medium (Golden Delicious)  
 late (Fuji)  
 very late (Granny Smith)

## 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:

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

- a) In addition to the information provided in Section 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) Good pollenizers are the following varieties:

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- c) Other information:

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- d) The work of PVR evaluation of trees is normally conducted by the Cultivar Centre (CC) at Havelock North by arrangement between the applicant and the Centre. To make arrangements contact the manager. [See their website for contact details.](#) *(Please tick the appropriate box)*

- I have arranged for the variety to be tested by the CC
- I intend to arrange for the variety to be tested by the CC
- I propose/wish to propose an alternative way of evaluating trees for PVR

Give details:

- e) If the variety is from overseas complete this section: *(Please 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:

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

Colour image or photographs, where applicable, must accurately represent a fruit, ornamental or tree variety. In the case of every application for fruit, ornamental, tree or vegetable variety you should supply a photograph or image as specified. 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.

#### 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 authorisation.