

## TECHNICAL QUESTIONNAIRE – KIWIFRUIT

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

1. Genus: Kiwifruit (*Actinidia* Lindl.)

Species:

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 *(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

☐ Discovery and development

Where:

When:

How:

b) Method of propagating the variety:

<input type="checkbox"/>	Cuttings	
<input type="checkbox"/>	Budding, grafting ( <i>indicate usual rootstock</i> )	<input type="text"/>
<input type="checkbox"/>	In vitro	
<input type="checkbox"/>	Other	<input type="text"/>

c) The virus status of the variety is:

d) Other information:

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.*)

**For all varieties:**

5.1 Stem: Presence of bud cover

- ☐ absent (Hort16A, Kousui)  
☐ present (Hayward, Mitsukou)

5.2 Stem: Size of hole in bud cover

- ☐ small (Abbott, Mitsukou)  
☐ medium (Hayward, r-Awaji)  
☐ large (Elmwood, r-Nagano)

5.3 Leaf blade: Shape

- ☐ lanceolate (Kaimai)  
☐ ovate (Hayward)  
☐ obovate (Bruno)

5.4 Leaf blade: Shape of apex

- ☐ caudate (Hortgem Tahi)  
☐ acuminate (Kaimai, Yukimusume)  
☐ acute (Hayward)  
☐ emarginate with cuspidate  
☐ rounded (Satoizumi)  
☐ retuse (Shinzan)  
☐ emarginate (Kuimi)

5.5 Petal: Main colour on adaxial side

- ☐ white (Hayward, Shinzan)
- ☐ greenish white (Hortgem Tahi, Satoizumi)
- ☐ yellowish white (Bruce, Mitsukou)
- ☐ yellowish green
- ☐ yellow
- ☐ light pink
- ☐ red pink
- ☐ red

5.6 Anther: Colour

- ☐ yellow (r-Nagano)
- ☐ yellow orange (Bruce)
- ☐ grey
- ☐ dark purple
- ☐ black (a-Shouwa)

5.7 Time of beginning of flowering

- ☐ very early
- ☐ early (Hort16A, Yukimusume)
- ☐ medium (Abbott, Kousui)
- ☐ late (Hayward)
- ☐ very late

**For female and hermaphroditic varieties:**

5.8 Fruit: Weight

- ☐ very low
- ☐ low (Huaguang2)
- ☐ low to medium (Jintao)
- ☐ medium (Hort16A, Tomua, Hortgem Tahi)
- ☐ medium to high (Zesh004)
- ☐ high (Zesy003, Jin Feng)
- ☐ high to very high (Hayward)
- ☐ very high (Jade Moon)

5.9 Fruit: Shape

- ☐ ovate (Hort16A, Jecy Gold, Yamagatamusume)
- ☐ oblong (Hortgem Toru, Bruno, Wilkins Super)
- ☐ elliptic (Hayward, Mitsukou)
- ☐ circular (Hort51-1785)
- ☐ oblate (Kuimi, Shinzan)
- ☐ obovate (Monty)

5.10 Fruit: Shape in cross section (at median)

- ☐ circular (Bruno, Mitsukou)
- ☐ oblate (Hortgem Tahi, Kousui, Wilkins Super)
- ☐ transverse elliptic (Hayward)

5.11 Fruit: Styler end

- ☐ strongly depressed
- ☐ weakly depressed (Jade Moon)
- ☐ flat (Hayward, Satoizumi)
- ☐ rounded (Touma, Kousui)
- ☐ weakly blunt protruding (Skelton)
- ☐ strongly blunt protruding (Hort16A)
- ☐ pointed protrusion (Hortgem Toru)

5.12 Fruit: Shape of shoulder at stalk end

- ☐ truncate (Hortgem Tahi, Mitsukou)
- ☐ weakly sloping (Hayward, Kousui)
- ☐ strongly sloping (Skelton)

5.13 Fruit: Hairiness of skin

- ☐ absent (Shinzan)
- ☐ present (Hayward)

5.14 Fruit: Colour of skin

- ☐ light green (Hortgem Rua)
- ☐ medium green (Hortgem Tahi, Mitsukou)
- ☐ reddish green
- ☐ yellow
- ☐ greenish brown (Hayward, Shinzan)
- ☐ reddish brown
- ☐ light brown (Hort16A)
- ☐ medium brown (Sanuki Gold)
- ☐ dark brown (Kousui, Tomua)
- ☐ purple red

5.15 Fruit: Colour of outer pericarp

- ☐ light green (Shinzan)
- ☐ medium green (Hayward)
- ☐ dark green (Hortgem Toru)
- ☐ greenish yellow (Zesh004, Hort22D, Satoizumi)
- ☐ medium yellow (Hort16A, Kousui)
- ☐ dark yellow (Jin Feng, Hort51-1785)
- ☐ yellowish orange
- ☐ orange
- ☐ red
- ☐ red purple

5.16 Fruit: Colour of locules

- ☐ light green (Shinzan)
- ☐ medium green (Hayward, Hortgem Tahi)
- ☐ dark green (Hortgem Toru, Tsechelidis)
- ☐ greenish yellow (Zesh004, Satoizumi)
- ☐ medium yellow (Hort16A, Jintao, Kousui)
- ☐ dark yellow (Hort51-1785)
- ☐ yellowish orange
- ☐ orange
- ☐ red (Hongyang, Hortgem Rua)
- ☐ red purple (ZES006)

5.17 Fruit: Colour of core

- ☐ white (Hort22D)
- ☐ greenish white (Hayward, Hortgem Tahi)
- ☐ yellow white (Hort16A, Shinzan)
- ☐ red purple

5.18 Time of vegetative bud burst

- ☐ very early (Hort16A, Hortgem Tahi)
- ☐ very early to early
- ☐ early (Tomua, Yukimusume)
- ☐ early to medium
- ☐ medium (Hayward, Shinzan)
- ☐ medium to late
- ☐ late (Mitsukou)
- ☐ late to very late
- ☐ very late

5.19 Time of maturity for harvest

- ☐ very early (Hortgem Rua)
- ☐ very early to early (Hongyang)
- ☐ early (Hort22D, Hortgem Tahi)
- ☐ medium (Tomua, Kousui)
- ☐ medium to late (Zesy003)
- ☐ late (Hayward, Yukimusume)
- ☐ very late

5.20 Other characteristics of the variety:

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. fruit weight) 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. medium).	Describe the expression of the characteristic(s) for your candidate variety (e.g. high).

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) Plant: ploidy:

☐ diploid (Hort16A, Kousui)

☐ triploid

☐ tetraploid (Hortgem Tahi, Kuimi)

☐ pentaploid (Shinzan)

☐ hexaploidy (Hayward)

☐ octoploid

- c) Other information:

- d) A colour image or photograph **must** be supplied at application. The following are the requirements that apply.
- Images, where applicable, must accurately represent a fruit, ornamental or tree variety.
  - You must supply an image that is representative of the variety. Your image must display its chief distinguishing feature(s) as well as possible.
  - Your image 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 of the original bred or discovered plant. In the case of a new mutation or sport, do not supply an image of the plant part from which the variety originated. Instead, you should supply an image 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 an authorisation.

9. Sites in New Zealand where plants of the variety are presently growing:

- a) On applicant's property at:

No. of plants: (*approx.*)

Growth stage:

Other property in New Zealand:

No. of plants: (*approx.*)

Growth stage:

- b) List other varieties growing on applicant's (or other) property which would be available for comparison and reference purposes as part of a PVR growing trial:

c) 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.

If so, when do you expect its release?

☐ Plant material has not yet been imported into New Zealand.

If so, when do you expect importation to occur?