

TECHNICAL QUESTIONNAIRE – MANDARINS, TANGERINE AND RELATED HYBRIDS

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

1. Species: Citrus group (*Citrus* L.)

- Satsuma (*Citrus unshiu*)
 Clementine (*Citrus clementina*)
 Tangerine (*Citrus reticulata*)
 Tangelo (*Citrus reticulata* x *Citrus paradisi*)
 Tangor (*Citrus reticulata* x *Citrus sinensis*)

Additional species (*please specify*):

Other botanical classification information:

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:

Budding, grafting (*indicate usual rootstock*)

In vitro

Other

c) 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.*)

5.1 Fruit: Height

- very short
- short
- medium (Clemenules)
- tall (Minneola)
- very tall

5.2 Fruit: Diameter

- very small
- small
- medium (Clemenules)
- large
- very large

5.3 Fruit: Presence of neck

- absent
- present

5.4 Fruit surface: Predominant colour

- green
- yellow green
- light yellow
- medium yellow
- yellow orange
- medium orange (Clemenules)
- dark orange
- orange red
- red

5.6 Time of maturity of fruit

- very early
- early (Okitsu)
- medium (Clemenules)
- late (Murcott)
- very late

5.5 Fruit: Main colour of flesh

- whitish
- light green
- light yellow
- medium yellow
- light orange
- medium orange (Clemenules)
- dark orange
- red
- purple

5.7 Fruit: Parthenocarpy

- absent
- present

5.8 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 diameter) 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. small). | Describe the expression of the characteristic(s) for your candidate variety (e.g. medium). |
|--|--|---|--|
| | | | |
| 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 for growing the variety or conducting the examination?

Yes No

If yes, please provide details:

- c) Other information:

- d) A colour image or photograph **must** be supplied at application. The following are the requirements that apply.
- 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 will be available for PVR testing purposes:

- a) On applicant's property at:

| | | |
|--|-----------------------------------|--|
| | No. of plants: (<i>approx.</i>) | |
| | Growth stage: | |

Other property in New Zealand:

| | | |
|--|-----------------------------------|--|
| | No. of plants: (<i>approx.</i>) | |
| | Growth stage: | |

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

10. 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?