

TECHNICAL QUESTIONNAIRE – SWEET PEPPER, HOT PEPPER, PAPRIKA, CHILLI

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

1. Species: Sweet Pepper, Hot Pepper, Paprika, Chilli (*Capsicum annuum* L.)

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:

Seed propagated:

Self-pollination

Hybrid (*indicate parents*)

Cross-pollination

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 Seedling: Anthocyanin colouration of hypocotyl

absent

present

5.2 Plant: Shortened internode (in upper part)

absent

present

5.3 Peduncle: Attitude

erect

semi-drooping

drooping

5.4 Fruit: Colour (before maturity)

greenish white

yellow

green

purple

5.5 Fruit: Shape in longitudinal section

- oblate
- circular
- cordate
- square
- rectangular
- trapezoidal
- moderately triangular
- narrow triangular
- horn shaped

5.7 Fruit: Number of locules

- predominantly two
- equally two and three
- predominantly three
- equally three and four
- predominantly four and more

5.9(ii) Resistance to Tobamovirus
Pepper mild mottle virus Pathotype 1.2
(PMMoV: 1.2)

- absent
- present

5.10 Resistance to *Potato Y virus* (PVY)
Pathotype 0 (PVY: 0)

- absent
- present

5.6 Fruit: Colour (at maturity)

- yellow
- orange
- red
- brown
- green

5.8 Fruit: Capsaicin in placenta

- absent
- present

5.9(i) Resistance to Tobamovirus
Tobacco mosaic virus Pathotype 0 (TMV: 0)

- absent
- present

5.9(iii) Resistance to Tobamovirus
Pepper mild mottle virus Pathotype 1.2.3
(PMMoV: 1.2.3)

- absent
- present

5.11 Resistance to *Tomato spotted wilt virus*
Pathotype 0 (TSWV: 0)

- absent
- present
- not tested

5.12 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 colour) 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. yellow).	Describe the expression of the characteristic(s) for your candidate variety (e.g. green).
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) Resistance to pests and diseases (*Please specify Pathotypes / strains if possible*)

	absent	present	not tested
(a) Resistance to <i>Potato Y virus</i> (PVY)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(1) Pathotype 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) Pathotype 1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) Resistance to <i>Phytophthora capsici</i> (Pc)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Resistance to <i>Cucumber mosaic virus</i> (CMV)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Resistance to <i>Xanthomonas campestris</i> pv. <i>Vesicatoria</i> (Xcv)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(1) Pathotype 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) Pathotype 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) Pathotype 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

d) Other information:

e) 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 as part of a PVR growing trial:

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10. For varieties bred overseas, please complete this section:

Has seed supplied at application been imported? (*Please tick the appropriate box*)

Yes No

If yes, please provide a copy of the Biosecurity Clearance Certificate.