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UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

CHAYOTE

UPOV Code: SECHI_EDUL

Sechium edule (Jacq.) Sw.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from Mexico

to be considered by the Technical Working Party for Vegetables
at its forty-first session, to be held in Nairobi, Kenya, from June 11 to 15, 2007

Alternative Names:*

Botanical name	*English*	*French*	*German*	*Spanish*
Sechium edule (Jacq.) Sw.	Chayote, Vegetable pear, Madeira marrow,	Chouchou, Christophine, Mirliton		Calabaza con espinas, Cayota, Chayote, Cidrayota, Erizo, Gayota Güisquil, Huisquil, Papa de aire, Uisquil

The purpose of these guidelines ("Test Guidelines") is to elaborate the principles contained in the General Introduction (document TG/1/3), and its associated TGP documents, into detailed practical guidance for the harmonized examination of distinctness, uniformity and stability (DUS) and, in particular, to identify appropriate characteristics for the examination of DUS and production of harmonized variety descriptions.

ASSOCIATED DOCUMENTS

These Test Guidelines should be read in conjunction with the General Introduction and its associated TGP documents.

* These names were correct at the time of the introduction of these Test Guidelines but may be revised or updated. [Readers are advised to consult the UPOV Code, which can be found on the UPOV Website (www.upov.int), for the latest information.]

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Sechium edule* (Jacq.) Sw.

2. Material Required

2.1 The competent authorities decide on the quantity and quality of the plant material required for testing the variety and when and where it is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities and phytosanitary requirements are complied with.

2.2 The material is to be supplied in the form of fruit.

2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

100 fruits per cycle

~~The seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority. In cases where the seed is to be stored, the germination capacity should be as high as possible and should, be stated by the applicant.~~

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. Method of Examination

3.1 Number of Growing Cycles

The minimum duration of tests should normally be two independent growing cycles.

3.2 Testing Place

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 “Examining Distinctness”.

3.3 Conditions for Conducting the Examination

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

3.3.2 The recommended method of observing the characteristic is indicated by the following key in the second column of the Table of Characteristics:

MG: single measurement of a group of plants or parts of plants
MS: measurement of a number of individual plants or parts of plants
VG: visual assessment by a single observation of a group of plants or parts of plants
VS: visual assessment by observation of individual plants or parts of plants

3.4 Test Design

3.4.1 Each test should be designed to result in a total of at least 20 plants, which should be divided between two or more replicates.

3.4.2 The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.

3.5 Number of Plants / Parts of Plants to be Examined

Unless otherwise indicated, all observations on single plants should be made on 10 plants or parts taken from each of 10 plants and any other observations made on all plants in the test.

3.6 Additional Tests

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 Distinctness

4.1.1 General Recommendations

It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.2 Consistent Differences

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

4.1.3 Clear Differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.2 Uniformity

4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines:

4.2.2 Cross-pollinated varieties: the assessment of uniformity for cross-pollinated varieties should be according to the recommendations for cross-pollinated varieties in the General Introduction.

4.2.3 Hybrid varieties: for the assessment of uniformity of hybrid varieties, a population standard of 1 % and an acceptance probability of at least 95 % should be applied. In the case of a sample size of 20 plants, 1 off-type is allowed.

4.3 Stability

4.3.1 In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, stability may be tested, either by growing a further generation, or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

(a) Stem: color young stage (characteristic 1)
(b) Leaf blade: shape (characteristic 10)
(c) Leaf blade: color (characteristic 11)
(d) Female flower: color (characteristic 21)
(e) Fruit: size (characteristic 29)
(f) Fruit: shape in longitudinal section (characteristic 33)
(g) Fruit: main color of skin (characteristic 40)
(h) Fruit: spines (characteristic 45)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 Categories of Characteristics

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 States of Expression and Corresponding Notes

States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.3 Types of Expression

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo-qualitative) is provided in the General Introduction.

6.4 Example Varieties

Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

6.5 Legend

(*) Asterisked characteristic – see Chapter 6.1.2

QL: Qualitative characteristic – see Chapter 6.3
QN: Quantitative characteristic – see Chapter 6.3
PQ: Pseudo-qualitative characteristic – see Chapter 6.3

MG, MS, VG, VS: See Chapter 3.3.2

(a)-(c) See Explanations on the Table of Characteristics in Chapter 8.1
(+) See Explanations on the Table of Characteristics in Chapter 8.2

7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
1. (*)	**VG**	**Stem: color at young stage**			**Tallo: color en estado joven**		
QN	**(a)**	white			blanco		1
		yellow			amarillo		2
		light green			verde claro		3
		green			verde		4
		dark green			verde obscuro		5
2.	**VG**	**Stem: pubescence of internodes**			**Tallo: pubescencia del entrenudo**		
QN	**(a)**	absent or very few			ausente o muy poco		1
		few			poco		3
		medium			medio		5
		many			mucho		7
3.	**VG**	**Stem: pubescence of node**			**Tallo: pubescencia del nudo**		
PQ	**(a)**	absent or very few			ausente o muy poco		1
		few			poco		3
		medium			medio		5
		many			mucho		7
4.	**VG**	**Stem: color at mature stage**			**Tallo: color en estado maduro**		
QN	**(b)**	dark green with brown stripe			verde oscuro con rayas café		1
		green			verde		2
		light green with brown stripes			verde claro con rayas café		3
		yellow with brown stripes			amarillo con raya café		4

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
5.	**MS**	**Tendril: length**			**Zarcillos: longitud**		
QN	**(a)**	short			corto		1
		medium			medio		3
		long			largo		5
6.	**MG**	**Tendril: branching**			**Zarcillo: ramificación**		
QN	**(a)**	two			dos		1
		three			tres		2
		five or more of five			cinco o más		3
7.	**VG**	**Tendrils: color**			**Zarcillos: color**		
	(a)	light green			verde claro		1
		green			verde		2
		dark green			verde obscuro		3
8.		**Tendril: striaete**			**Zarcillo: estriado**		
	(a)	few			poco		1
		medium			intermedio		3
		strong			abundante		5
9.	**MS**	**Leaf blade: size**			**Hoja: tamaño**		
QN	**(a)**	very small			muy pequeña		3
		small			pequeña		5
		medium			mediana		7
		large			grande		9

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
10. (*) (+)	**VG**	**Leaf blade: shape**			**Hoja: forma**		
PQ	**(a)**	angular			angulada		1
		cordiform			cordiforme		2
		palmately lobed			palmo lobulada		3
		tripartite			trisectada		4
		deltoid			deltada		5
		sectate			sectada		6
11. (*)	**VG**	**Leaf blade: color**			**Hoja: color**		
PQ	**(a)**	light green			verde claro		1
		green			verde		2
		dark green			verde obscuro		3
12.	**VG**	**Leaf blade: color of venation**			**Hoja: color de la venación**		
QN	**(a)**	white			blanco		3
		light green			verde claro		5
		dark green			verde oscuro		7
13.	**VG**	**Leaf blade: abaxial pubescence**			**Hoja: pubescencia abaxial**		
QN	**(a)**	absent or very few			ausente o muy poca		1
		few			poca		3
		medium			media		5
		many			abundante		7
14.	**VG**	**Leaf blade: venation order**			**Hoja: orden de la venación**		
QN	**(a)**	third			tercero		1
		fourth			cuarto		3
		fifth			quinto		5

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
15.	**VG**	**Leaf blade: number of mucrone**			**Hoja: número de mucrones**		
QN	**(a)**	few			pocos		1
		medium			medios		3
		many			muchos		5
16.	**VG**	**Petiole: length**			**Pecíolo: longitud**		
QN	**(a)**	short			corto		3
		medium			medio		5
		long			largo		7
		very long			muy largo		9
17.	**MS / VG**	**Petiole: diameter**			**Pecíolo: diámetro**		
QN	**(a)**	very small			muy pequeño		1
		small			pequeño		3
		medium			medio		5
		large			grande		7
18.	**VG**	**Petiole: color**			**Pecíolo: color**		
PQ	**(a)**	white			blanco		1
		light green			verde claro		2
		green			verde		3
		dark green			verde obscuro		4
		very dark black			verde muy obscuro		5
19.	**VG**	**Petiole: striate**			**Pecíolo: estriado**		
QL	**(a)**	absent			ausente		1
		present			presente		9

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
20.	**MS**	**Female inflorescence: number of flowers per node**			**Inflorescencia femenina: número de flores por nudo**		
PQ	**(a)**	one			una		1
		two			dos		3
		tree or more			tres o más		5
21. (*)	**VG**	**Female flower: color**			**Flor femenina: color**		
PQ	**(a)**	white			blanca		1
		green			verde		2
		green yellow			verde amarillo		3
22.	**VG**	**Female flower: color of calyx**			**Flor femenina: color de caliz**		
PQ	**(a)**	light green			verde claro		1
		green			verde		2
		dark green			verde oscuro		3
23.	**VG**	**Male flower: color**			**Flor masculina: color**		
QL	**(b)**	white			blanca		1
		green			verde		5
		green yellow			verde amarillo		9
24.	**VG**	**Male inflorescence: number of flowers**			**Inflorescencia masculina: número de flores**		
QN	**(a)**	few			pocas		1
		medium			medio		3
		many			muchas		5

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
25.	**VG**	**Male inflorescence: length of rachis**			**Inflorescencia masculina: longitud del raquis**		
QN	**(a)**	few			corto		1
		medium			medio		3
		many			largo		5
26.	**VG**	**Male flower: color of calyx**			**Flor masculina: color de caliz**		
QN	**(a)**	light green			verde claro		1
		green			verde		5
		dark green			verde oscuro		9
27.	**VG**	**Peduncle: length**			**Pedúnculo: longitud**		
QN	**(a)**	short			corto		3
		medium			medio		5
		long			largo		7
28.	**VG**	**Peduncle: diameter**			**Pedúnculo: diámetro**		
QN	**(a)**	small			pequeño		3
		medium			medio		5
		large			grande		7
29. (*)	**MG**	**Fruit: size**			**Fruto: tamaño**		
QN	**(b)**	very short			muy pequeño		1
		short			pequeño		3
		medium			mediano		5
		long			grande		7
		very long			muy grande		9

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
30.	**VG / MS**	**Fruit: length**			**Fruto: longitud**		
QN	**(b)**	very short			muy pequeño		1
		short			pequeño		3
		medium			mediano		5
		long			grande		7
		very long			muy grande		9
31.	**VG / MS**	**Fruit: maximum diameter**			**Fruto: diámetro máximo**		
QN	**(b)**	very small			muy pequeño		1
		small			pequeño		3
		medium			medio		5
		large			grande		7
		very large			muy grande		7
32.	**MS**	**Fruit: ratio length/ maximum diameter**			**Fruto: relación largo/ diámetro**		
QN	**(b)**	very small			muy pequeña		1
		small			pequeña		3
		medium			media		5
		large			grande		7
		very large			muy grande		9

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
33. (*) (+)	**VG**	**Fruit: shape in longitudinal section**			**Fruto: forma en sección longitudinal**		
PQ	**(b)**	conical			cónico		1
		pyriform			piriforme		2
		spheroid			esferoide		3
		oblong			oblongo		4
		cylindrical			cilindrico		5
		obovoid			obovoide		6
		broadly obovoid			obovoide amplio		7
		ellipsoid			elipsoide		8
		broadly ellipsoid			elipsoide amplio		9
34. (+)	**VG**	**Fruit: shape in cross section**			**Fruto: forma en sección transversal**		
PQ	**(b)**	flattened			aplastada		1
		oval			ovalada		2
		round			redonda		3
35. (+)	**VG**	**Fruit: profile of base**			**Fruto: perfil de la base**		
QN	**(b)**	depressed			profunda		1
		flat			plana		3
		raised			protuberante		5
		very raised			muy protuberante		7
36. (+)	**VG**	**Only varieties with Fruit: profile of base: depressed: Fruit: depth of depression at base**			**Solamente variedades con Fruto: perfil de la base profunda: Fruto: profundidad de la depresión de la base**		
QN	**(b)**	shallow			poco profunda		1
		medium			media		3
		deep			profunda		5

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
37. **(+)**	**VG**	**Fruit: profile of apical part**			**Fruto: perfil de la parte ápical**		
PQ	**(b)**	depressed			profunda		1
		flat			plana		3
		raised			protuberante		5
38. **(+)**	**VG**	**Fruit: size of cross fissure in apical part**			**Fruto: tamaño de fisura transversal en la parte apical**		
QN	**(b)**	absent or very small			ausente o muy pequeña		1
		small			pequeña		3
		medium			media		5
		large			grande		7
39. **(+)**	**VG**	**Fruit: grooves**			**Fruto: surcos**		
QL	**(b)**	absent			ausente		1
		present			presente		9
40. **(*)**	**VG**	**Fruit: main color of skin**			**Fruto: color principal de la piel**		
PQ	**(b)**	white			blanco		1
		yellowish cream			crema amarillento		2
		light green			verde claro		3
		green			verde		4
		dark green			verde oscuro		5
41.	**VG**	**Fruit: smooth texture of skin**			**Fruto: textura lisa de la piel**		
QL	**(b)**	absent			ausente		1
		present			presente		9

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
42. (*)	**VG**	**Fruit: main color of flesh**			**Fruto: color principal de la pulpa**		
PQ	**(b)**	white			blanco		1
		cream			crema		2
		light green			verde ligero		3
		green			verde		4
		geen dark			verde fuerte		5
43. (+)	**VG**	**Fruit: thickness of flesh**			**Fruto: grosor de la pulpa**		
QN	**(b)**	thin			delgada		1
		medium			media		3
		thick			gruesa		5
44. (+)	**VG**	**Fruit: fibrous flesh**			**Fruto: presencia de fibras en la pulpa**		
QN	**(c)**	absent or very few			ausente o muy poca		1
		medium			medio		3
		many			mucha		5
45. (*)	**VG**	**Fruit: spines**			**Fruto: espinas**		
QL	**(c)**	absent			ausente		1
		present			presente		9
46.	**VG**	**Only varieties with: Fruit: spines: present: Fruit: density of spines**			**Solamente variedades con Futo: espinas presente: Fruit: densidad de espinas**		
QN	**(c)**	very few			muy poca		1
		few			poca		3
		medium			mediana		5
		many			mucha		7

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
47.	**VG**	**Fruit: length of spines**			**Fruit: longitud de las espinas**		
QN	**(c)**	short			corta		1
		medium			media		3
		long			larga		5
48.	**VG**	**Fruit: thickness of spines**			**Fruit: grosor de las espinas**		
QN	**(c)**	small			delgado		1
		medium			mediano		3
		large			grueso		5
49.	**VG**	**Fruit: flavor**			**Fruit: sabor**		
QL	**(c)**	neutral			neutro		1
		sweet			dulce		2
50.	**VG**	**Seed: size**			**Semilla: tamaño**		
QN	**(c)**	very small			muy pequeña		1
		small			pequeña		3
		medium			media		5
		large			grande		7
51.	**VG**	**Seed: length**			**Semilla: longitud**		
QN	**(c)**	short			corta		1
		medium			media		3
		long			larga		5
52.	**VG**	**Seed: diameter**			**Semilla: ancho**		
QN	**(c)**	short			angosta		1
		medium			media		3
		long			grueso		5

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
53.	**VG**	**Seed: ratio length / width**			**Semilla: relación largo / ancho**		
QN	**(c)**	small			pequeña		1
		medium			media		3
		large			grande		5
54.	**VG**	**Seed: shape**			**Semilla: forma**		
(+)							
PN	**(c)**	conical			cónico		1
		pyriform			piriforme		2
		epheroid			esferoide		3
		oblonque			oblongo		4
		cilindric			cilindrico		5
		obovoid			obovoide		6
		broadly obovoid			obovoide amplio		7
		ellipsoid			elipsoide		8
		broadly ellipsoid			elipsoide amplio		9
55.	**VG**	**Seed: adorn**			**Semilla: ornamentación**		
(+)							
QN	**(c)**	absent			ausente		1
		present			presente		9
56.	**VG**	**Seed: color**			**Semilla: color**		
PQ	**(c)**	whitish			blancuzco		1
		cream			crema		2
57.	**VG**	**Seed: flavor**			**Semilla: sabor**		
QN	**(c)**	neutral			neutro		1
		sweet			dulce		3
		bitter			amargo		5

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
58.	**VG**	**Root: flavor**			**Raíz: sabor**		
QL	**(c)**	neutral			neutro		1
		sweet			dulce		2
		bitter			amargo		3

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

Characteristics containing the following key in the second column of the Table of Characteristics should be examined as indicated below:

(a) Characteristics which should be examined when flowering begins.

(b) Characteristics which should be examined at harvest maturity, i.e. after the time of the first fruit change.

(c) Characteristics which should be examined at physiological maturity, i.e. after the time of the first fruit change.

8.2 Explanations for individual characteristics

Ad. 10: Leaf blade: shape

Ad. 33: Fruit: shape in longitudinal section.

1. conical

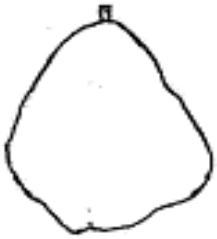
2. pyriform

3. spheroid

4. oblongo

5. cylindrical

6. obovoid



7. broadly obovoid

8. ellipsoid

9. broadly ellipsoid

Ad. 34: Fruit: shape in cross section

Ad. 35: Fruit: profile of base

Ad. 36: Fruit: Only varieties with Fruit: profile of base: depressed: Fruit: depth of depression at base

Ad. 37: Fruit: profile of apical part.

Ad. 38: Fruit: size of cross fissure in apical part:

Ad. 39: Fruit: grooves.

Ad. 43: Fruit: thickness of flesh.

Ad. 54: Seed: shape

Ad. 55: Seed: adorn

9. Literature

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)

TECHNICAL QUESTIONNAIRE
to be completed in connection with an application for plant breeders' rights

1. Subject of the Technical Questionnaire

1.1 Botanical name	*Sechium edule* (Jacq.) Sw.
1.2 Common name	Chayote

2. Applicant

Name	
Address	
Telephone No.	
Fax No.	
E-mail address	

Breeder (if different from applicant)

3. Proposed denomination and breeder's reference

Proposed denomination (if available)	
Breeder's reference	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

[#]4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

Variety resulting from:

4.1.1 Crossing

(a) controlled cross [ ]
(please state parent varieties)

(b) partially known cross [ ]
(please state known parent variety(ies))

(c) unknown cross [ ]

4.1.2 Mutation [ ]
(please state parent variety)

4.1.3 Discovery and development [ ]
(please state where and when discovered
and how developed)

4.1.4 Other [ ]
(please provide details)"

4.2 Method of propagating the variety

Seed-propagated varieties

(b) Cross-pollination

(c) Hybrid [ ]

(d) Other [ ]
(please provide details)

[#] Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).

Characteristics	Example Varieties	Note

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

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 (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the **similar** variety(ies)	Describe the expression of the characteristic(s) for **your** candidate variety
Example	*Fruit: main color of skin*	*yellow*	*orange brown*

Comments:

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

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

7.1 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)

7.2 Are there any special conditions for growing the variety or conducting the examination?

Yes [ ] No [ ]

(If yes, please provide details)

7.3 Other information

A representative color photograph of the variety should accompany the Technical Questionnaire.

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes [ ] No [ ]

(b) Has such authorization been obtained?

Yes [ ] No [ ]

If the answer to (b) is yes, please attach a copy of the authorization.

[#] Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

9. Information on plant material to be examined or submitted for examination.

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

(a) Microorganisms (e.g. virus, bacteria, phytoplasma) Yes [ ] No [ ]

(b) Chemical treatment (e.g. growth retardant, pesticide) Yes [ ] No [ ]

(c) Tissue culture Yes [ ] No [ ]

(d) Other factors Yes [ ] No [ ]

Please provide details for where you have indicated “yes”.

……

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

Applicant’s name

Signature Date

[End of document]