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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

CANNA *

UPOV Code: CANNA

Canna L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from France

*to be considered by the
Technical Working Party for Ornamental Plants and Forest Trees
at its thirty-ninth session, to be held in Fortaleza, Ceará State, Brazil,
from August 28 to September 1, 2006*

Alternative Names: *

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Canna</i> L.	Canna	Balisier, Canna	Blumenrohr	Achira

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.]

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
1. SUBJECT OF THESE TEST GUIDELINES.....	3
2. MATERIAL REQUIRED	3
3. METHOD OF EXAMINATION.....	3
3.1 Number of Growing Cycles	3
3.2 Testing Place	3
3.3 Conditions for Conducting the Examination.....	3
3.4 Test Design	4
3.5 Number of Plants / Parts of Plants to be Examined.....	4
3.6 Additional Tests	4
4. ASSESSMENT OF DISTINCTNESS, UNIFORMITY AND STABILITY	4
4.1 Distinctness	4
4.2 Uniformity.....	5
4.3 Stability	5
5. GROUPING OF VARIETIES AND ORGANIZATION OF THE GROWING TRIAL.....	5
6. INTRODUCTION TO THE TABLE OF CHARACTERISTICS	6
6.1 Categories of Characteristics.....	6
6.2 States of Expression and Corresponding Notes.....	6
6.3 Types of Expression.....	6
6.4 Example Varieties	6
6.5 Legend.....	6
7. TABLE OF CHARACTERISTICS/TABLEAU DES CARACTÈRES/MERKMALSTABELLE/TABLA DE CARACTERES.....	8
8. EXPLANATIONS ON THE TABLE OF CHARACTERISTICS	17
9. LITERATURE.....	18
10. TECHNICAL QUESTIONNAIRE.....	19

1. Subject of these Test Guidelines

These Test Guidelines apply to all vegetatively varieties of *Canna* L.

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 rhizomes or plants able to give a normal flowering.

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

- 8 rooted plants, or 10 rhizomes, able to give a normal flowering.

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 a single growing cycle

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

3.3.3 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background.

3.4 *Test Design*

3.4.1 Each test should be designed to result in a total of at least 8 plants.

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 should be made on 8 plants or parts taken from each of 8 plants.

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 For the assessment of uniformity, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 6 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.

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) Plant: total height (characteristic 1)
- (b) Leaf blade: conspicuousness of veins (characteristic 8)
- (c) Leaf blade: main color (characteristic 10)
- (d) Leaf blade: variegation (characteristic 11)
- (e) Leaf blade: variegation color (characteristic 12)
- (e) Leaf blade: anthocyanin coloration (characteristic 13)
- (f) Flower: number of colors (characteristic 22)
- (g) Flower: main color (characteristic 23) with the following groups:
 - Gr. 1: cream
 - Gr. 2: yellow
 - Gr. 3: orange
 - Gr. 4: pink
 - Gr. 5: red
- (h) Flower: secondary color (characteristic 25)
- (i) Flower: hue of secondary color (characteristic 26)

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: single measurement of a group of plants or parts of plants – see Chapter 3.3.1

MS: measurement of a number of individual plants or parts of plants – see Chapter 3.3.1

VG: visual assessment by a single observation of a group of plants or parts of plants –
Chapter 3.3.1

VS: visual assessment by observation of individual plants or parts of plants” –see
Chapter 3.3.1

(a)-{x} 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/ Beispielsorten/ Variedades ejemplo	Note/ Nota
1. (*)	MG	Plant: total height at flowering	Plante: hauteur totale à la floraison	Pflanze:	Planta:	
QN	short	basse			Tafraout,	3
	medium	moyenne			Oiseau de feu	5
	tall	haute			Liberté	7
2.	VG	Plant: growth habit	Plante: port	Pflanze: Wuchsform	Planta:	
QN	upright	dressé			Florence Waugham	1
	upright to upright	semi dressé à demi dressé		Fr : proposal to delete the state	Oiseau d'or	2
	semi upright	demi dressé		If so, state semi upright to have the note 2	Prétoria, Prince Charmant	3
3.	MG	Plant: number of shoots	Plante : nombre de pousses		Fr: proposes to delete the characteristic (weak reliability and not enough variability through the species)	
QN	few	Faible			Flamèche	3
	medium	moyen			<i>The other varieties</i>	5
	many	Elevé			Stuttgart	7
4. (*)	VG	Plant: anthocyanin coloration of stem (+ plant or stem ?)	Plante : pigmentation anthocyanique de la tige		Fr: proposes to delete the characteristic, because it is linked to the anthocyan of the leaves	
QL	absent	absente			En Avant	1
	present	présente			Liberté	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
5.	VG	Plant : intensity of anthocyanin coloration of stem	Plante : intensité de la coloration anthocyanique de la tige			
					Fr: proposes to delete the characteristic, because it is linked to the anthocyan of the leaves	
QN	very weak	très faible				1
	weak	faible				3
	medium	moyenne				5
	strong	forte				7
	very strong	très forte				9
6.	VG	Leaf : width	Feuille : largeur			
QN	narrow	étroite			Lucifer	3
	medium	moyenne			Oiseau de feu	5
	broad	large			Liberté	7
7.	VG	Leaf : ratio height/width	Feuille : rapport hauteur/largeur			
					Fr: characteristic to be deleted	
QN	longer than broad	plus long que large				1
	as long as broad	aussi long que large				2
	broader than long	plus long que haut				3
8. (*)	VG	Leaf : (conspicuousness) relief of veins	Feuille : (netteté) ou relief, des nervures			
QL	inconspicuous				Florence Waugham	1
	conspicuous				En Avant	2
9.	VG	Leaf : degree of conspicuousness of veins	Feuille: intensité de la netteté des nervures			
					Fr: characteristic to be deleted	
QN	absent or very weak	absent ou très faible			Confetii	1
	weak	faible				3
	medium	moyenne				5
	strong	forte				7
	very strong	très forte				9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	Note/ Nota
10. (*)	VG	Leaf blade: main color	Limbe foliaire: couleur principale			
PQ	yellow	jaune				1
	green	verte				2
	purple	pourpre				3
new 11. (*)	Leaf blade: variegation	Limbe foliaire: panachure				
	absent	absente			Oiseau de Feu	
	present	présente			Prétoiria, Stuttgart	
new 12. (*)	Leaf blade: variegation color	Limbe foliaire: couleur de la panachure				
QL	cream white	blanc crème			Stuttgart	1
	yellow	jaune			Prétoiria	2
new 13. (*)	Leaf blade: anthocyanin coloration	Limbe foliaire: coloration anthocyanique			Anthocyan is not a variegation	
QL	absent	absente			Oiseau de feu	1
	present	présente			Liberté	9
14.	VG	Leaf blade: intensity of color for varieties without anthocyan	Limbe foliaire : intensité de la couleur pour les variétés sans anthocyane			
QN	very weak	très faible		Fr: state to be deleted		1
	weak	faible			Oiseau d'Or	3
	medium	moyenne			Centenaire	5
	Strong	forte			Roi soleil	7
	very strong	très forte		Fr: state to be deleted		9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
15.	VG	Leaf blade: intensity of anthocyanin coloration	Limbe foliaire: intensité de la pigmentation anthocyanique			
QN	very weak	très faible			No example varieties for France	1
	weak	faible			Angèle Martin	3
	medium	moyenne			Hercule	5
	strong	forte			Liberté	7
	very strong	très forte			Australia	9
new 16. (*)		Leaf blade: anthocyanin coloration pattern	Limbe foliaire: répartition de la pigmentation anthocyanique			
PQ	diffuse	sur la feuille entière= diffuse			Liberté	1
	along nerves (or veins ?)	le long des nervures			Durban	2
17.	VG	Leaf: intensity of variegation	Feuille : intensité de la panachure		Fr : not necessary, to be deleted (see Add 11)	
QN	very weak	très faible				1
	weak	faible				3
	medium	moyenne				5
	strong	forte				7
	very strong	très forte				9
18.	MG	Inflorescence : length of floral part of stalk end	Inflorescence : longueur de la partie florifère de la hampe florale			
QN	short	courte			Flamèche	3
	medium	moyenne			Roi Soleil	5
	long	longue			Liberté	7

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	Note/ Nota
new 19.	MG	Plant: position of the floral part in relation with the foliage	Plant: position relative des fleurons (= de la partie florale) par rapport au feuillage				
PQ		at same level	au même niveau			Flamèche	1
		above	au dessus			Félix Ragot	2
		strongly above	nettement au dessus			Liberté	3
20.	VG	Inflorescence : number of flowers	Inflorescence : nombre de fleurs			Fr : not necessary, to be deleted	
QN		few	petit				3
		medium	moyen				5
		many	grand				7
21.	VG	Flower : size	Fleur : taille				
QN		very small	très petite			Stuttgart	1
		small	petite			Yara	3
		medium	moyenne			Roi Soleil	5
		large	grande			Liberté	7
		very large	très grande			No example variety for France	9
22. (*)	VG	Flower : number of colors	Fleur : nombre de couleurs				
QL		one	unicolore			Roi Soleil	1
		two	bicolore			Reine Charlotte, En Avant	2

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
23. (*)	VG	Flower : main color	Fleur : couleur principale		States for grouping :	
				Oiseau d'Or	Cream	
				Félix Ragot	Yellow	
				Liberté	Orange	
				Extase	Pink	
				Roi Soleil	Red	
PQ	RHS Colour Chart (indicate reference number)					
24.	VG	Flower : intensity of color	Fleur : intensité de la couleur		Fr : to be deleted	
QN	very weak	très faible				1
	weak	faible				3
	medium	moyenne				5
	strong	forte				7
	very strong	très forte				9
25. (*)	VG	Flower : secondary color	Fleur : couleur secondaire		Fr : to be deleted	
QL	absent	absente				1
	present	présente				9
new 26. (*)	VG	Flower : hue of the secondary color	Fleur : couleur secondaire		Fr : orange is one of the main color states	
					Intensity of the secondary color is not necessary	
QL	yellow	jaune			Reine Charlotte	1
	red	rouge			En Avant	2

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
new 27. (*)	VG Flower : secondary color pattern	Fleur : répartition de la couleur secondaire			Or absent/present for each state (macules, mouchetures, bord, liseré)	
QL	maculated (or splashed ?)	maculé			Picador	1
	spotted or speckled	moucheté or tacheté			En Avant	2
	borded	bordé			Reine Charlotte	3
	edged or picotee	liseré			Lolita	4
new 28. (+)	VG Petals: position (open flower)	Pétales: position (fleur ouverte)				
QN	upright	dressé			Angèle Martin	3
	semi upright	demi dressé			Peau rouge	5
	spreading	retombant			Florence Waugham	7
new 29. (+)	VG Petals: overlapping	Pétales : chevauchement				
QL	absent	absent			Perkéo	1
	présent	présente			Peau Rouge	9
30.	VG Flower : width of edging on petals	Fleur : largeur de l'épaisseur du liseré			Fr : to be deleted	
QN	very narrow	très étroite				1
	narrow	étroite				3
	medium	moyenne				5
	wide	large				7
	very wide	très large				9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	Note/ Nota
31.	VG	Flower : distribution of secondary coloration (exluding edging or picotee)	Fleur : localisation de la couleur secondaire (à l'exception du liseré)		Fr: to be deleted	
PQ	basal	à la base				1
	on the half lower side	sur la moitié inférieure				2
	on the half upper side	sur la moitié supérieure				3
	on the whole	sur l'ensemble				4
32.	MG	Time of flowering	Époque de floraison			
QN	very early	très précoce				1
	early	précoce			Corial	3
	medium	moyenne			Roi Soleil	5
	late	tardive			Liberté	7
	very late	très tardive				9
33.	VG	Fruit: color (before maturity)	Fruit: couleur avant maturité		Fr: to be deleted	
PQ	green	vert				1
	reddish green	vert pigmenté de rouge				3
	red	rouge				2
34.	VG	Fruit : size	Fruit : taille des fruits		Fr: to be deleted	
QN	small	petite				3
	medium	moyenne				5
	large	grande				7

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
35.	VG	Fruit : presence of seeds	Fruit : graines		Fr: to be deleted	
QL	absent	absente				1
	present	présente				9
36.		Fruit : number of seeds	Fruit : nombre de graines		Fr: agreement to delete	
VG	few	petit				3
QN	medium	moyen				5
	many	grand				7
37.	VG	Rhizome : skin color	Rhizome : couleur de l'épiderme		Fr: agreement to delete	
QL	beige	beige				1
	pinkish	rosé				2
38.	VG	Rhizome : intensity of color	Rhizome : intensité de la couleur		Fr: agreement to delete	
QN	very weak	très faible				1
	weak	faible				3
	medium	moyenne				5
	strong	forte				7
	very strong	très forte				9

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)
- (b) etc.

8.2 *Explanations for individual characteristics*

Ad. 28 Petals: position (open flower)



3
upright

5
semi upright

7
retombant



3
upright

5
semi upright

7
retombant

Ad. 29 Petals: position (open flower)



1
absent

2
present

9. Literature

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<p>TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights</p>		
<p>1. Subject of the Technical Questionnaire</p> <p>1.1 Botanical name <input type="text" value="Canna L."/></p> <p>1.2 Common name <input type="text" value="Canna"/></p>		
<p>2. Applicant</p> <p>Name <input type="text"/></p> <p>Address <input type="text"/></p> <p>Telephone No. <input type="text"/></p> <p>Fax No. <input type="text"/></p> <p>E-mail address <input type="text"/></p> <p>Breeder (if different from applicant) <input type="text"/></p>		
<p>3. Proposed denomination and breeder's reference</p> <p>Proposed denomination (if available) <input type="text"/></p> <p>Breeder's reference <input type="text"/></p>		

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		
4.2.1 Vegetative propagation		
(a) cuttings		[]
(b) <i>in vitro</i> propagation		[]
(c) other (state method)		[]
4.2.2 Seed		[]
4.2.3 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	
5.1 Plant: total height at flowering (1)			
short	Taфраout	3	
medium	Oiseau de feu	5	
tall	Liberté	7	
5.2 Leaf: (conspicuousness) relief of veins (8)			
inconspicuous	Florence Waugham	1	
conspicuous	En Avant	2	
5.3 Leaf blade: main color (10)			
yellow		1	
green		2	
purple		3	
5.3 Leaf blade: variegation (11)			
absent	Oiseau de Feu	1	
present	Prétořia, Stuttgart	2	
5.4 Leaf blade: variegation color (12)			
cream white	Stuttgart		
yellow	Prétořia		
5.5 Leaf blade: anthocyanin coloration (13)			
absent	Oiseau de Feu	1	
present	Liberté	9	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
5.6 Flower: Number of colors (22)		
one	Roi Soleil	1
two	Reine Charlotte, En Avant	2
5.7 Flower: Main color (23)		
Gr. 1: cream		
Gr. 2: yellow		
Gr. 3: Orange		
Gr. 4: pink		
Gr. 5: red		
5.8 Flower: Secondary color (25)		
absent		1
present		9
5.9 Flower: hue of the secondary color (26)		
yellow	Reine Charlotte	1
red	En Avant	2

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
<p>6. Similar varieties and differences from these varieties</p> <p><i>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.</i></p>			
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
<i>Example</i>	<i>[e.g. Flower color]</i>	<i>[e.g. orange]</i>	<i>[e.g. orange red]</i>
<p>Comments:</p>			

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>#7. Additional information which may help in the examination of the variety</p>		
<p>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?</p>		
<p>Yes [] No []</p>		
<p>(If yes, please provide details)</p>		
<p>7.2 Are there any special conditions for growing the variety or conducting the examination?</p>		
<p>Yes [] No []</p>		
<p>(If yes, please provide details)</p>		
<p>7.3 Other information</p>		
<p>7.3.1 Main use</p>		
<p>(a) garden plant [] (b) pot plant [] (c) cut-flower [] (d) other [] (please provide details)</p>		
<p>7.3.2 A representative color photograph of the variety should accompany the Technical Questionnaire.</p>		
<p>8. Authorization for release</p>		
<p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?</p>		
<p>Yes [] No []</p>		
<p>(b) Has such authorization been obtained?</p>		
<p>Yes [] No []</p>		
<p>If the answer to (b) is yes, please attach a copy of the authorization.</p>		

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:
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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”.

.....

9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?

Yes []

(please provide details as specified by the Authority)

No []

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]