

TG/BOUGA(proj.2) ORIGINAL: English DATE: 2009-07-23

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA



BOUGAINVILLEA

UPOV Code: BOUGA

Bougainvillea Comm. Ex Juss. and its hybrids

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from Denmark and Australia

to be considered by the Technical Working Party for Ornamental Plants and Forest Trees at its forty-second session, to be held in Angers, France, from September 14 to 18, 2009

Alternative Names:*

Botanical name	English	French	German	Spanish
<i>Bougainvillea</i> Comm. Ex Juss., <i>Bougainvillea</i> Comm.	Bougainvillea	Bougainvillée, Bougainvillier	Bougainvillea	Bugambilia

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.]

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 2 -

TABLE OF CONTENTS

PAGE

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	7
8.	EXPLANATIONS ON THE TABLE OF CHARACTERISTICS	
0.	8.1 Explanations covering several characteristics	
	8.2 Explanations for individual characteristics	
9.	LITERATURE	
9. 10.		
10.		

1. <u>Subject of these Test Guidelines</u>

These Test Guidelines apply to all vegetatively propagated varieties of *Bougainvillea* Comm. ex Juss and its hybrids.

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 minimum quantity of plant material, to be provided by the applicant, should be:

10 plants

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

2.4 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. <u>Method of Examination</u>

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 optimum stage of development for the assessment of the characteristics is at the time of opening of one flower in three inflorescences.

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 10 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 10 plants or parts taken from each of 10 plants and any other observation 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 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 10 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. <u>Grouping of Varieties and Organization of the Growing Trial</u>

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) Leaf blade: number of colors on <u>upper</u> side (characteristic 12)
- (b) Inflorescence: type (characteristic 20)
- (c) <u>Only varieties with one colored bracts:</u> Bract: color of <u>inner</u> side (stage 3) (characteristic 24) with the following groups: Group 1: white Group 2: yellow Group 3: orange Group 4: red Group 5: pink Group 6: purple

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
- (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. <u>Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres</u>

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
1.	Plant: growth hab	bit				
PQ	upright				Pixie Queen	1
	semi-upright					2
	spreading					3
2.	Young stem: color	r				
PQ	light green				Alexandra	1
	medium green					2
	reddish green				Barbera Carst	3
	reddish				Vera Deep Purple	4
3. (*)	Plant: length of internodes					
QN	(a) short					3
	medium				Vera Deep Purple	5
	long				Killie Campbell	7
4.	Stem: density of hairs					
QN	sparse					1
	medium					2
	dense					3
5. (*)	Thorn: length					
QN	short				Pixie Queen	1
	medium				Alexandra	2
	long				Rijnbo705	3

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 8 -

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
6. (*)		Thorn: curvature					
QL	(b)	straight				Killie Campbel	1
		curved				Vera Deep Purple	9
7. (*)		Leaf blade: length					
QN	(b)	short					3
		medium					5
		long				Vera Deep Purple	7
8. (*)		Leaf blade: width					
QN	(b)	narrow				Pixie Queen	3
		medium				Vera Deep Purple	5
		broad				Killie Campbel	7
9. (*) (+)		Leaf blade: shape					
PQ	(b)	lanceolate					1
		ovate				Alexandra	2
		broad ovate				Barbera Carst	3
		elliptic				Elisabeth	4
		circular				White Seafoum	5
10.		Leaf blade: shape o apex	f				
PQ	(b)	acuminate				Vera Deep Purple	1
		acute					2
		obtuse					3

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 9 -

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
11.		Leaf blade: shape of base	•				
PQ	(b)	acuminate				Vera Deep Purple	1
		acute					2
		obtuse					3
		cordate					4
12. (*)		Leaf blade: number of colors on <u>upper</u> side					
QL	(b)	one				Alexandra	1
		two				Mini Tai Variegated	2
		more than two					3
13. (*)		Only varieties with one-colored leaves: Leaf blade: intensity of green color	7				
QN	(b)	light					3
		medium					5
		strong					7
14. (+)		<u>Only varieties with</u> <u>more than one-</u> <u>colored leaves</u> : Leaf blade: main color					
PQ	(b)	yellowish white					1
		yellow					2
		yellowish green				Pixie Queen	3
		light green				Mini Tai Variegated	4
		medium green					5
		dark green					6
		very dark green					7
		grey green					8

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 10 -

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
15. (+)		<u>Only varieties with</u> <u>more than one-</u> <u>colored leaves</u> : Leaf blade: secondary color					
PQ	(b)	white					1
		yellowish white					2
		yellow				Mini Tai Variegated	3
		light green					4
		medium green				Pixie Queen	5
		dark green					6
		very dark green					7
		grey green					8
16. (+)		<u>Only varieties with</u> <u>more than two-</u> <u>colored leaves</u> : Leaf blade: tertiary color					
PQ	(b)	white					1
		yellowish white					2
		yellow					3
		light green				Pixie Queen	4
		medium green					5
		dark green					6
		very dark green					7
		grey green					8

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 11 -

		English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
17. (+)		Leaf blade: distribution of secondary color					
	(b)	narrow marginal				Zuki	1
		broad marginal					2
		around the mid rib				Pixie Queen	3
		speckled				Mini Tai Variegated	4
		irregular					5
18. (*) <mark>(+)</mark>		Petiole: length					
QN	(b)	short				Mini Tai	1
		medium				Vera Deep Purple	2
		long				Killie Campbel	3
19. (+)		Inflorescence: peduncle length					
QN	(b)	short				Vera Deep Purple	3
		medium				Rijnbo705	5
		long				Barbera Carst	7
20. (*)		Inflorescence: type					
QL		single				Alexandra	1
		double				Dania red	2
21.		Bract: number of colors of <u>inner</u> side					
QL		one				Alexandra	1
		two				Arora	2
		more than two					3

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 12 -

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
22. (*) (+)	<u>Only varieties with</u> <u>one-colored bracts:</u> Bract: color of <u>inner</u> side (stage 1)	:				
	RHS Colour Chart (indicate reference number)					
23. (*) (+)	<u>Only varieties with</u> <u>one-colored bracts:</u> Bract: color of <u>inner</u> side (stage 2)	<u>:</u>				
PQ	RHS Colour Chart (indicate reference number)					
24. (*) (+)	<u>Only varieties with</u> <u>one-colored bracts:</u> Bract: color of <u>inner</u> side (stage 3)	:				
PQ	RHS Colour Chart (indicate reference number)					
25.	Only varieties with one-colored bracts:					
(+)	Bract: color of <u>inner</u> side (stage 4)	:				
PQ	RHS Colour Chart (indicate reference number)					
26.	Only varieties with					
(+)	<u>more than one-</u> <u>colored bracts:</u> Bract: main color of <u>inner</u> side (stage 3)					
PQ	RHS Colour Chart (indicate reference number)					

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 13 -

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
27.	<u>Only varieties with</u> more than one-					
(+)	colored bracts:					
	Bract: secondary color of <u>inner</u> side (stage 3)					
PQ	RHS Colour Chart (indicate reference number)					
28.	<u>Only varieties with</u> more than two-					
(+)	<u>colored bracts:</u> Bract: tertiary color of <u>inner</u> side (stage 3)					
PQ	RHS Colour Chart (indicate reference number)					
29.	Bract: length					
QN	short				Mini Tai	3
	medium					5
	long				Killie Campbell	7
30.	Bract: width					
QN	narrow				Mini Tai	3
	medium				Vera Deep Purple	5
	broad				Killie Campbell	7
31. (*)	Bract: shape					
PQ	lanceolate					1
	ovate				Vera Deep Purple	2
	elliptic					3
	circular				Afterglow	4

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 14 -

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
32.	Bract: shape of apo	ex				
PQ	acuminate					1
	acute					2
	obtuse					3
33. (*) (+)	Bract: shape of bas	se				
PQ	acuminate					1
	acute				Easter Parade	2
	obtuse				Pixie Queen	3
	cordate					4
34. (*)	Calyx tube: color <u>outer</u> side	of				
PQ	RHS Colour Chart (indicate reference number)					
35.	Calyx lobes: color <u>upper</u> side	of				
	white					1
	greenish white					2
	yellowish white					3
	yellow					4
	orange					5
	pink					6
36.	Time of flowering					_
QN	early					3
	medium					5
	late					7

8. <u>Explanations on the Table of Characteristics</u>

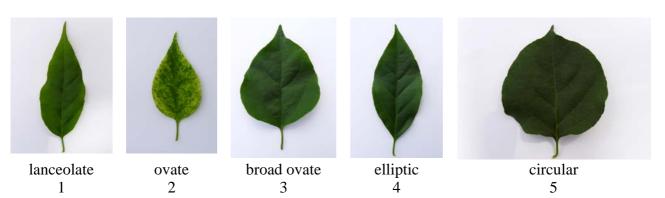
8.1 Explanations covering several characteristics

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

- (a) <u>Young stem and stem:</u> observations should be made on the upper third of the main shoot.
- (b) <u>Length of internodes</u>: observations should be made on the middle third of the main shoot.
- (c) <u>Leaf and petiole</u>: observations on the leaf should be made on a developed leaf from the middle third of the main shoot.

8.2 Explanations for individual characteristics

Ad. 9: Leaf blade: shape

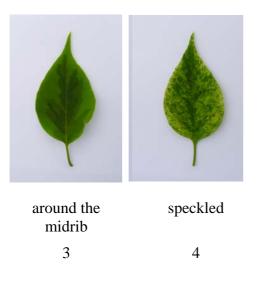


Ad. 14: Only varieties with more than one-colored leaves: Leaf blade: main color	
Ad. 15: Only varieties with more than one-colored leaves: Leaf blade: secondary colored	or
Ad. 16: Only varieties with more than two-colored leaves: Leaf blade: tertiary color	

The main color is the color with the largest surface area. The secondary color is the color with the second largest surface area. If the area of the colors is nearly half and half, the darker color is the main color. The tertiary color is the color with the third largest surface area.

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 16 -

Ad. 17: Leaf blade: distribution of secondary color



Ad. 19: Infloresence: peduncle length



Peduncle length

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 17 -

Ad. 22: Only varieties with one-colored bracts: color of inner side (stage 1) Ad. 23: Only varieties with one-colored bracts: color of inner side (stage 2) Ad. 24: Only varieties with one-colored bracts: color of inner side (stage 3) Ad. 25: Only varieties with one-colored bracts: color of inner side (stage 4)











Stage 2



Stage 4

- Stage 1: small young bracts app. 1-2 cm long.
- Stage 2: young bracts calyx lobe not opened \tilde{a}
- Stage 3: young bracts calyx lobe opened
- Stage 4: young bracts calyx lobe wilted

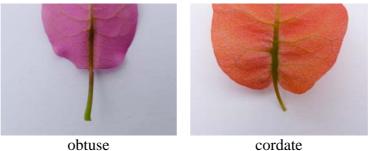
TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 18 -

Ad. 26: Only varieties with more than one-colored bracts: Bract: main color of inner side (stage 3) Ad. 27: Only varieties with more than one-colored bracts: Bract:secondary color of inner side (stage 3) Ad. 28: Only varieties with more than two colored bracts: Bract: tertiary color of inner side

Ad. 28: Only varieties with more than two-colored bracts: Bract: tertiary color of inner side (stage 3)

The main color is the color with the largest surface area. The secondary color is the color with the second largest surface area. If the area of the colors is nearly half and half, the darker color is the main color. The tertiary color is the color with the third largest surface area.

Ad. 33: Bract shape of base



obtus 3 cordate 4

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 19 -

9. Literature

[to be provided]

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 20 -

10. Technical Questionnaire

TEC	HNICAL QUESTIONNAI	RE	Page {x} of {y}	Reference Number:
				Application date: (not to be filled in by the applicant)
			HNICAL QUESTION oction with an application	INAIRE ion for plant breeders' rights
1.	Subject of the Technical Q	uesti	ionnaire	
	1.1 Botanical name	Bo	<i>ugainvillea</i> Comm. ex	Juss. and its hybrids
	1.2 Common name	Bo	ugainvillea	
2.	Applicant			
	Name			
	Address			
	Telephone No.			
	Fax No.			
	E-mail address			
	Breeder (if different from a	appli	cant)	
3.	Proposed denomination an	d bre	eeder's reference	
	Proposed denomination (if available)			
	Breeder's reference			

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 21 -

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:		
[#] 4. Information on the breeding scheme and propagation of the variety				
4.1 Breeding scheme	1 Breeding scheme			
Variety resulting from:	Variety resulting from:			
4.1.1 Crossing				
(a) controlled cr		[]		
(b) partially kno		[]		
(c) unknown cro	known parent variety(i oss	[]		
4.1.2 Mutation (please state paren	nt variety)	[]		
4.1.3 Discovery and dev (please state where and how develope	e and when discovered	[]		
4.1.4 Other (please provide de	etails)	[]		
4.2 Method of propagating the variety				
4.2.1 Vegetative propag	ation			
 (a) cuttings (b) <i>in vitro</i> propag (c) other (state method) 		[] [] []		
4.2.2 Seed		[]		
4.2.3 Other (please provide deta	ails)	[]		

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

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 22 -

TECH	INICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:		
5. corre	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 (12)	Leaf blade: number of colors on <u>u</u>	<u>pper</u> side			
	one		Alexandra	1[]	
	two		Mini Tai Variegated	2[]	
	more than two			3[]	
5.2 (20)	Inflorescence: type				
	single		Alexandra	1[]	
	double		Dania red	2[]	
5.3i (19)	Bract: <u>mature bracts</u> : color of <u>inne</u>	e <mark>r</mark> side			
	RHS Colour Chart (indicate referenc	e number)			
5.3ii (19)	Bract: <u>mature bracts</u> : color of <u>inne</u>	er side			
	white		Stuttgart	<mark>1[]</mark>	
	yellow			<mark>2[]</mark>	
	orange			<mark>3[]</mark>	
	red			<mark>4[]</mark>	
	purple			<mark>5[]</mark>	
	pink			<mark>6[]</mark>	
	other			7[]	

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 23 -

TECHNICAL QUESTIONNAIRE Pa	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	Characteristic(s) in	Describe the expression of	Describe the
variety(ies) similar to	which your candidate	the characteristic(s) for the	expression of the
your candidate variety variety differs from the simil		similar variety(ies)	characteristic(s) for
	similar variety(ies)		your candidate variety
Example	Leaf blade: number of colors of upper side	one	two

Comments:

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 24 -

TEC	HNICAL 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	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			
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.

TG/BOUGA(proj.2) Bougainvillea, 2009-07-23 - 25 -

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. corre		eby declare that, to the best of my knowledge, the inform	nation provided i	n this form is	
	Appli	icant's name			
	Signa	ature Da	te		

[End of document]