

TG/ANGLN(proj.2) ORIGINAL: English DATE: 2006-07-31

### INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

# DRAFT

Angelonia angustifolia Benth. and its hybrids

UPOV Code: ANGLN\_ANG and linked hybrid codes

#### **GUIDELINES**

#### FOR THE CONDUCT OF TESTS

#### FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Australia

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:\*

	Botanical name	English	French	German	Spanish	
ſ	Angelonia angustifolia Benth.					

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.

<sup>\*</sup> 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.]

i:\orgupov\shared\tg\angelonia\upov drafts\tg\_angln\_proj2.doc

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 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.		
	CARACTÈRES/MERKMALSTABELLE/TABLA DE CARACTERES	
8.		
9.	2.1.2.1.1.0.12	
10.	). TECHNICAL QUESTIONNAIRE	16

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 3 -

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

These Test Guidelines apply to all varieties of *Angelonia angustifolia* Benth. and their hybrids of the family *Scrophulariaceae*.

#### 2. <u>Material Required</u>

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 rooted cuttings or seed.

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

seed-propagated varieties: sufficient seed to produce 30 plants vegetatively propagated varieties: 20 rooted cuttings

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. <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 Observation of color by eye

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

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 4 -

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 16 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 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. <u>Assessment of Distinctness, Uniformity and Stability</u>

#### 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 of vegetatively propagated 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 16 plants, 1 off-type is allowed.

4.2.3 The assessment of uniformity for seed-propagated varieties should be according to the recommendations for cross-pollinated varieties in the General Introduction.

#### 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) Corolla lobes: presence of stripes (characteristic 11)
- (b) <u>Only varieties with stripes absent</u>: <u>Upper</u> lip: main color on corolla lobes (characteristic 12) with the following groups:
  - Gr. 1: white
  - Gr. 2: pink
  - Gr. 3: purple
- (c) <u>Only varieties with stripes absent</u>: <u>Lower</u> lip: main color on corolla lobes (characteristic 13) with the following groups:
  - Gr. 1: white
  - Gr. 2: pink
  - Gr. 3: purple

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 6 -

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

#### 6. <u>Introduction to the Table of Characteristics</u>

#### 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)-(d) See Explanations on the Table of Characteristics in Chapter 8.1
- (+) See Explanations on the Table of Characteristics in Chapter 8.2

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 7 -

# 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 habit					
QN	(a)	upright				Balangdepi, Balangimla	1
		semi-upright				Balangloud, Balangimpu	2
		spreading				Balangbeke, Balangbawi	3
2.		Shoot: length					
QN	<b>(a)</b>	short					3
		medium				Balangpili	5
		long					7
3.		Shoot: anthocyanin coloration below the inflorescence					
QN	<b>(a)</b>	absent or very weak				Balangloud, Balangbeke	1
		weak				Balangimpu, Balangimla	3
		medium				Balangdepi	5
		strong					7
4. (*)		Leaf: length					
QN	(b)	short				Balanglapi	3
		medium				Balangimla	5
		long				Balangimpu	7
5.		Leaf: width					
QN	(b)	narrow				Balangbeke	3
		medium				Balangdepi, Balangimla	5
		broad				Balangimpu	7

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 8 -

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.		Leaf: intensity of green color on uppe side	r				
QN	(b)	light					3
		medium					5
		dark				Balangbeke	7
7.		Leaf: glossiness on upper side					
QN	(b)	absent or very weak				Balangloud	1
		weak				Balangpili	3
		medium				Balanglapi	5
		strong				Balangbeke	7
8. (*) (+)		Flower: length					
QN	(c)	short					3
		medium				Balangimla	5
		long					7
9. (*) (+)		Flower: width					
QN	(c)	narrow					3
		medium				Balangimla	5
		broad					7
10. (+)		Flower: ratio length/width					
QN	(c)	small					3
		medium				Balangbeke	5
		large				Balangimla	7

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 9 -

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
11. (*)		Corolla lobes: presence of stripes					
QL	(c) (d)	absent					1
		present				Angelmist PurpleStripe	9
12. (*)		Only varieties with stripes absent: <u>Upper</u> lip: main color on corolla lobes					
PQ	(c) (d)	RHS Colour Chart (indicate reference number)					
13. (*)		Only varieties with stripes absent: Lower lip: main color on corolla lobes					
PQ	(c) (d)	RHS Colour Chart (indicate reference number)					
14. (*)		<u>Only varieties with</u> <u>stripes present</u> : Corolla lobes: ground color					
PQ	(c) (d)	RHS Colour Chart (indicate reference number)					
15. (*)		Only varieties with stripes present: Corolla lobes: color of stripes					
PQ	(c) (d)	RHS Colour Chart (indicate reference number)					

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 10 -

16.		Only varieties with		
(*)		<u>stripes present</u> :		
		Lower lip: width of stripes		
QN	(c) (d)	narrow		3
		medium	Anstern	5
				3
		broad	Angelmist PurpleStripe	7
17.		Upper lip:		
		arrangement of lobes		
QN		free	Balanglast	1
QN	(c) (d)	nee	Dalanglast	1
		intermediate		2
		overlapping	Angelmist	3
_			PurpleStripe	
18.		Lower lip:		
(*)		undulation of margin		
				1
QN	(c) (d)	absent or very weak		1
		weak	Balangimpu	3
		medium	Balangimla	5
		strong	Balangbeke	7
19. (+)		Chamber: length		
(*)				
QN	(c)	short		3
Υ.Υ	(d)			5
		medium	Balangimla	5
		long		7
		-		

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 11 -

20. (+) (*)		Chamber: width		
QN	(c) (d)	narrow		3
		medium	Balangimla	5
		broad		7
21. (+)		Chamber: length in relation to width		
QN	(c) (d)	longer than broad		1
		as long as broad		2
		broader than long		3
22. (*)		Chamber: intensity of markings		
QN	(c) (d)	absent or very weak	Balangbawi	1
		weak		3
		medium		5
		strong	Balangimpu	7
23. (*)		Chamber: density of markings		
QN	(c) (d)	sparse	Balangimla	1
		medium		2
		dense	Balangimpu	3
24. (*)		Chamber: color of markings		
PQ	(c) (d)	green		1
		pink		2
		purple		3

#### TG/ANGLN(proj.2) Angelonia angustifolia Benth., 2006-07-31 - 12 -

25. (*)		Pouch: main color		
PQ	(c) (d)	white		1
		yellow green		2
		pink		3
		purple		4
26.		Pouch: number of spots		
QN	(c) (d)	absent or very few	Balangbeke	1
		few		3
		medium		5
		many	Balangdepi	7
27. (*)		Nectary bulge: main color		
PQ	(c) (d)	white	Balangloud, Balangimpu	1
		green white		2
		yellow		3
		pink	Balanglapi	4
		purple	Balangdepi	5

#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 13 -

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

#### 8.1 Explanations covering several characteristics

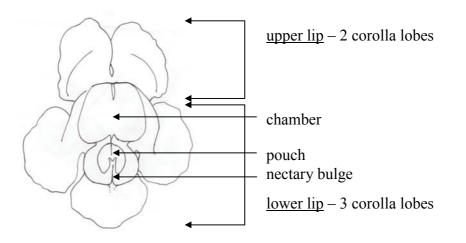
Characteristics containing the following key in the second column of the Table of Characteristics should be examined as indicated below:

(a) Observations on the plant and shoot should be made on fully flowering plants.

(b) Observations on the leaf should be made on leaves taken from the middle part of the shoot.

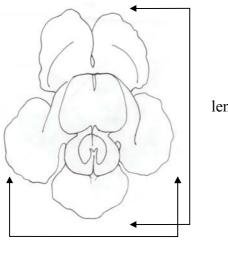
(c) Observations on the flower and flower parts should be made just prior to anthesis.

(d) Flower parts:



8.2 Explanations for individual characteristics

<u>Ad. 8</u>	Flower: length
<u>Ad. 9</u>	Flower: width
Ad. 10	Flower: ratio length/width

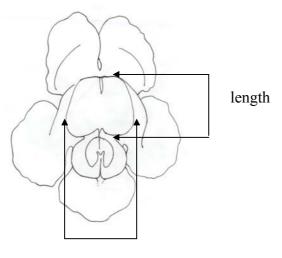


length



#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 14 -

<u>Ad. 19</u>	Chamber: length
Ad. 20	Chamber: width
Ad. 21	Chamber: length in relation to width



width

#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 15 -

# 9. <u>Literature</u>

Liberty Hyde Bailey Hortorium, 1976: Hortus Third, Macmillan Publishing Company

#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 16 -

10. <u>Technical Questionnaire</u>

TEC	HNICAL 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 Ques	tionnaire							
	1.1 Botanical name	Angelonia angustifolia	Benth. []						
	Hybrid: please indicate the n	ame(s) of species used	in the crossing						
	1.2.1 Botanical name(s)		[]						
	1.2.2 Common name								
2.	Applicant								
	Name								
	Address								
	Telephone No.								
	Fax No.								
	E-mail address								
	Breeder (if different from app	licant)							

# TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 17 -

TEC	CHNI	CAL QI	UEST	IONNAIRE	Page $\{x\}$ of $\{y\}$	Reference N	umber:		
3.	<ul> <li>Proposed denomination and breeder's reference</li> <li>Proposed denomination (if available)</li> <li>Breeder's reference</li></ul>							]	
#4.	<ul> <li>#4. Information on the breeding scheme and propagation of the variety</li> <li>4.1 Breeding scheme</li> </ul>								
		4.1.1	-	lting from:					
		4.1.1	Cros	controlled c	ross e parent varieties)		[ ]		
			(b)	partially kno (please state	own cross e known parent variet	y(ies))	[]		
			(c)	unknown cr	OSS		[]		
		4.1.2	Muta (plea	ation ase state parer	nt variety)		[]		
		4.1.3	(plea	overy and devase state wher how develope	e and when discovered	ed	[ ]		
		4.1.4	Othe (plea	er ase provide de	etails)		[]		

<sup>&</sup>lt;sup>#</sup> Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 18 -

TEC	CHNICAL QUESTIONNAIREPage {x} of {y}Ref	ference Number:						
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)	[]						
1		4 1 1 1 4						
	esponding characteristic in Test Guidelines; please mark the esponds).							
corre	esponds). Characteristics	e note which best Example Varieties Note						
	esponds). Characteristics Corolla lobes: presence of stripes							
corre	esponds). Characteristics Corolla lobes: presence of stripes							
corre	esponds). Characteristics Corolla lobes: presence of stripes	Example Varieties Note						
corre	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present  Only varieties with stripes absent: Upper lip: main color on coro	Example Varieties Note         1 [ ]         Angelmist       9 [ ]         PurpleStripe						
5.5 (11) 5.6	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present  Only varieties with stripes absent: Upper lip: main color on coro	Example Varieties Note         1 [ ]         Angelmist       9 [ ]         PurpleStripe						
5.5 (11) 5.6	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present <u>Only varieties with stripes absent</u> : <u>Upper</u> lip: main color on corollobes	Example Varieties Note 1 [ ] Angelmist 9 [ ] PurpleStripe Ila						
5.5 (11) 5.6	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present  Only varieties with stripes absent: Upper lip: main color on corolobes white	Example Varieties Note         1 [ ]         Angelmist       9 [ ]         PurpleStripe         Ila         1 [ ]						
5.5 (11) 5.6	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present  Only varieties with stripes absent: Upper lip: main color on coro lobes white pink purple Only varieties with stripes absent: Lower lip: main color on coro	Example Varieties Note           1[]           Angelmist PurpleStripe         9[]           Ila         1[]           2[]           3[]						
5.5 (11) 5.6 (12) 5.7	esponds).  Characteristics  Corolla lobes: presence of stripes  absent present  Only varieties with stripes absent: Upper lip: main color on coro lobes white pink purple Only varieties with stripes absent: Lower lip: main color on coro	Example Varieties Note           1[]           Angelmist PurpleStripe         9[]           Ila         1[]           2[]           3[]						
5.5 (11) 5.6 (12) 5.7	esponds).  Characteristics  Corolla lobes: presence of stripes absent present  Only varieties with stripes absent: Upper lip: main color on coro lobes white pink purple  Only varieties with stripes absent: Lower lip: main color on coro lobes	Example Varieties Note           1[]           Angelmist         9[]           PurpleStripe         1[]           1         2           2         3           3         1						

# TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 19 -

TECHNICAL QUESTI	ONNAIRE	Page {x} o	of {y}	Reference Nu	umber:	
6. Similar varieties	and difference	es from thes	e 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 ismilar variety differs from the similar variety(ies)			Describe the expression of the characteristic(s) for the <b>similar</b> variety(ies)		Describe the expression of the characteristic(s) for <b>your</b> candidate variety	
Example	Plant: growth habit		upright		semi-upright	
Comments:						

# TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 20 -

TEC	HNICA	AL QUE	STIONNAIRE	Page {x	x} of {y}	Reference Number:
<sup>#</sup> 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 ye	s, please	provide details)			
7.2	Are t	here any	special condition	s for gro	wing the varie	ety 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 suc	ch authorization b	een obtai	ined?	
		Yes	[]	No	[]	
	If the answer to (b) is yes, please attach a copy of the authorization.					

<sup>&</sup>lt;sup>#</sup> Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

#### TG/ANGLN(proj.1) Angelonia angustifolia Benth., 2006-07-31 - 21 -

TECHNICAL QUESTIONNAIREPage $\{x\}$ 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:							
	Appl	icant's name					
	Signa	ature Date					

[End of document]