

TG/AGLAO(proj.8)
ORIGINAL: English
DATE: 2016-10-27

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

AGLAONEMA

UPOV Code(s): AGLAO

Aglaonema Schott

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from Japan to be considered by the Enlarged Editorial Committee at its meeting, to be held in Geneva, from 2017-01-11 to 2017-01-12

Disclaimer: this document does not represent UPOV policies or guidance

Alternative names:*

Botanical name	English	French	German	Spanish
Aglaonema Schott	Chinese Evergreen			

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.

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of Aglaonema Schott.

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 plants capable of expressing all relevant characteristics over the one growing cycle.
- 2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

10 young plants

- 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 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. The color chart and version used should be specified in the variety description.
- 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 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.

4.1.4 Number of plants or parts of plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 9 plants or parts of plants taken from each of 9 plants and any other observations made on all plants in the test, disregarding any off-type plants.

In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 1.

4.1.5 Method of Observation

The recommended method of observing the characteristic for the purposes of distinctness is indicated by the following key in the second column of the Table of Characteristics (see document TGP/9 "Examining Distinctness", Section 4 "Observation 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

Type of observation: visual (V) or measurement (M)

"Visual" observation (V) is an observation made on the basis of the expert's judgment. For the purposes of this document, "visual" observation refers to the sensory observations of the experts and, therefore, also includes smell, taste and touch. Visual observation includes observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or nonlinear charts (e.g. color charts). Measurement (M) is an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.

Type of record: for a group of plants (G) or for single, individual plants (S)

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, "G" provides a single record per variety and it is not possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness.

In cases where more than one method of observing the characteristic is indicated in the Table of Characteristics (e.g. VG/MG), guidance on selecting an appropriate method is provided in document TGP/9, Section 4.2.

- 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 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 further examined by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the initial 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) Leaf blade: length (characteristic 9)
 - (b) Leaf blade: width (characteristic 10)
 - (c) Leaf blade: color covering the largest surface area on upper side, with the following color groups:
 - Gr. 1: white
 - Gr. 2: green
 - Gr. 3: grey green
 - Gr. 4: yellow
 - Gr. 5: red
 - Gr. 6: red purple
 - (d) Leaf blade: color covering the second largest surface area on upper side, with the following color groups:
 - Gr. 1: white
 - Gr. 2: green
 - Gr. 3: grey green
 - Gr. 4: yellow
 - Gr. 5: red
 - Gr. 6: red purple
- 5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction and document TGP/9 "Examining Distinctness".

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
- 6.2.1 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.
- 6.2.2 In the case of qualitative and pseudo-qualitative characteristics (see Chapter 6.3), all relevant states of expression are presented in the characteristic. However, in the case of quantitative characteristics with 5 or more states, an abbreviated scale may be used to minimize the size of the Table of Characteristics. For example, in the case of a quantitative characteristic with 9 states, the presentation of states of expression in the Test Guidelines may be abbreviated as follows:

State	Note
small	3
medium	5
large	7

However, it should be noted that all of the following 9 states of expression exist to describe varieties and should be used as appropriate:

State	Note
very small	1
very small to small	2
small	3
small to medium	4
medium	5
medium to large	6
large	7
large to very large	8
very large	9

6.2.3 Further explanation of the presentation of states of expression and notes is provided in document TGP/7 "Development of Test Guidelines".

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

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1 2	3 4	5 6	7			
	Name of characteristics in English	Nom du caractère en français	Name des Merkmals auf Deutsch	Nombre del carácter en español		
	states of expression	types d'expression	Ausprägungsstufen	tipos de expresión		

1 Characteristic number

2 (*) Asterisked characteristic – see Chapter 6.1.2

3 Type of expression

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

4 Method of observation (and type of plot, if applicable)

MG, MS, VG, VS – see Chapter 4.1.5

5 (+) See Explanations on the Table of Characteristics in Chapter 8.2

6 (a)-(j) See Explanations on the Table of Characteristics in Chapter 8.1

7 Not applicable

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.	QN	MG/VG				1		
	Plant	: height		•				
	short						Subrungrueng	3
	mediu	ım					Chalit's Pride	5
	tall		•				Thep Ranjuan	7
2.	QN	MS/VG	(+)					•
	Plant	: number of basal ts						
		nt or few					Cassic	1
	mediu	ım	•				Katharngen	2
	many						Chaowang	3
3. (*)	QN	MS/VG		(a), (b)				
	Leaf sheath: length							
	abser	absent or very short					World Heritage	1
	short		•				Bebadary	3
	mediu	ım					Pritty	5
	long						Katharngen	7
4.	QN	VG	(+)	(a)				
		sheath: Ider shape						
	strong	gly curved	•				Katharngen	1
	weakl	y curved						2
	squar	ed					Supmongkon	3
	weakl	y pointed						4
	strong	strongly pointed					Saisamorn	5
5. (*)	PQ	VG		(a), (c)				
		sheath: main of outer side						
		Colour Chart ate reference er)						

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	QN	MS/VG		(a), (b)			valiousus sjellipis	
	Petio	le: length		1 1 7 7				T
	short						Chalitla Drida	3
	mediu						Chalit's Pride	5
7.	long PQ	VG		(a), (c)			Katharngen	7
7.		le: main color		(a), (c)				
	RHS	Colour Chart ate reference						
8. (*)		VG		(a), (c)				
	Petio	le: secondary						T
		(if present)						
	(indicated)	Colour Chart ate reference er)						
9. (*)	QN	MS/VG		(a), (d)			_	•
	Leaf	blade: length						
	short						Black Beauty	3
	mediu	ım					Tiara	5
	long						Thep Ranjuan	7
10. (*)	QN	MS/VG		(a), (d)				
	Leaf	blade: width						
	narro	 N					Thep Ranjuan	3
	mediu						Katharngen	5
	broad						World Heritage	7
11.	QN	MS/VG	(+)	(a)		Į.	l .	
:		blade: ratio h/width						
	low						Parumruay	3
	mediu	ım					Katharngen	5
	high							7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12. (*)	QN	VG	(+)	(a)				
	Leaf b	lade: position of est part						
	toward	l base					Ribbon Evergreen	1
	at mid	dle	•				Pride of Sumatra	2
	toward	l apex					lk Q San	3
13.	PQ	VG	(+)	(a)				
	Leaf b	lade: shape of						
	strong	ly acute						1
	moder	ately acute						2
	obtuse)	•					3
14. (*)	PQ	VG	(+)	(a)				
	Leaf b	lade: shape of						
	attenu	ate	•				Thep Ranjuan	1
	acute							2
	obtuse)					Chalit's Pride	3
	truncate							4
	cordat	e					World Heritage	5

			English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
15. (*) P	PQ	VG	(a), (e), (f)				•
	Le	eaf b	lade: color 1					
	(ir		Colour Chart ite reference er)					
16. (*	') P	PQ	VG	(a), (e), (f), (g), (j)				
	Le	eaf b	olade: oution of color 1					
	al	long i	midrib					1
	at	t mar	gin					2
		etween	en midrib and n					3
	al	long	veins					4
	be	etwe	en veins					5
	th	nroug	hout					6
		long i nargir	midrib and at า					7
	al	long i eins	midrib and along					8
		long i	midrib and hout					9
	be	etwee	veins and en veins					10
	at		gin and					11
	al	long i	midrib, along and throughout					12
	ve	along midrib, along veins and between veins						13
	al	long i	midrib, at margin ong veins					14

			English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17.	(*)	PQ	VG	(a), (e), (f), (h)				
		Leaf I	blade: pattern of					
		blotch	nes					1
		centra	al bar					2
		stripe	s					3
		margi	nal zone					4
		solid o	or nearly solid					5
			nes and central bar					6
		blotch	nes and stripes					7
			nes and marginal					8
		central bar and stripes						9
			al bar and marginal					10
18.	(*)	QN	VG	(a), (e), (i)				
			blade: color 1: of blotches					
		small						1
		mediu	ım					2
		large						3
19.	(*)	QN	VG	(a), (e), (f)				
		Leaf I	blade: total area lor 1					
		small						3
		mediu	ım					5
		large						7
20.	(*)	PQ	VG	(a), (e), (f)				
		Leaf I	blade: color 2					
		RHS Colour Chart (indicate reference number)						

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
21. (*)	PQ	VG	(a), (e), (f), (j)	-		1	
	Leaf distri	blade: bution of color 2					
	none						1
	along	midrib					2
	at ma	ırgin					3
	betwe						4
	along	veins					5
		een veins					6
	throu	ghout					7
	along margi	midrib and at in					8
	along veins	midrib and along					9
	along throug	midrib and ghout					10
	betwe	veins and een veins					11
		rgin and					12
	along veins	midrib, along and throught					13
	along midrib, along veins and between veins						14
	along and a	midrib, at margin llong veins					15

			English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
22.	(*)	PQ	VG	(a), (e), (f), (h)				
		Leaf I	plade: pattern of 2					
		blotch	ies					1
		centra	al bar					2
		stripes	S					3
		margi	nal zone					4
		solid o	or nearly solid					5
			es and central bar					6
		blotch	es and stripes					7
			es and marginal					8
		central bar and stripes						9
			al bar and marginal					10
23.	(*)	QN	VG	(a), (e), (i)				
		Leaf blade: color 2: size of blotches						
		small						1
		mediu	ım					2
		large						3
24.	(*)	QN	VG	(a), (e), (f)				
		Leaf b	olade: total area or 2					
		small						3
		mediu	ım					5
		large						7
25.	(*)	PQ	VG	(a), (e), (f)				
		Leaf l	olade: color 3					
		RHS Colour Chart(indicate reference number)						

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
26. (*)	PQ	VG	(a), (e), (f), (j)			1	
	Leaf distri	blade: bution of color 3	·				
	none						1
	along	midrib					2
	at ma	ırgin					3
	betwe						4
	along	veins					5
		een veins					6
	throug	ghout					7
	along margi	midrib and at in					8
	along veins	midrib and along					9
	along throug	midrib and ghout					10
	betwe	veins and een veins					11
	at ma throug	orgin and ghout					12
	along veins	midrib, along and throughout					13
	along veins veins	midrib, along and between					14
	along and a	midrib, at margin llong veins					15

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
27. (*)	PQ	VG	(a), (e), (f), (h)				
·	Leaf I	blade: pattern of					
	blotch	nes					1
	central bar						2
	stripe	s					3
		nal zone					4
		or nearly solid					5
	blotch	nes and central bar					6
	blotch	nes and stripes					7
		nes and marginal					8
	centra	al bar and stripes					9
	centra	al bar and marginal					10
28. (*)	QN	VG	(a), (e), (i)				1
-	Leaf I	blade: color 3: of blotches					
	small						1
	mediu	ım					2
	large						3
29. (*)	QN	VG	(a), (e), (f)		•		
	Leaf I	blade: total area lor 3					
	small						3
	mediu	ım					5
	large						7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
30. (*)	PQ	VG	(a), (e), (f)				
	Leaf	blade: color 4					
		Colour t(indicate reference per)					
31. (*)	PQ	VG	(a), (e), (f), (j)				
		blade: ibution of color 4					
	none						1
	along	ı midrib					2
	at ma	argin					3
	betwe marg	een midrib and in					4
	along	y veins					5
	betwe	een veins					6
	throu	ghout					7
	along	g midrib and at in					8
	along veins	g midrib and along					9
		g midrib and ghout					10
		y veins and een veins					11
	at ma	argin and ghout					12
		midrib, along and throughout					13
	along veins veins	g midrib, along and between					14
	along and a	g midrib, at margin along veins					15

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
32. (*)	PQ	VG	(a), (e), (f), (h)				_
·	Leaf I	blade: pattern of					
	blotches						1
	central bar						2
	stripe	s					3
	margi	nal zone					4
	solid o	or nearly solid					5
		nes and central bar					6
	blotch	es and stripes					7
		es and marginal					8
	central bar and stripes						9
		al bar and marginal					10
33. (*)	QN	VG	(a), (e), (i)				
		blade: color 4: of blotches					
	small						1
	mediu	ım					2
	large						3
34. (*)	QN	VG	(a), (e), (f)			·	
	Leaf I	olade: total area lor 4					
	small						3
	mediu						5
	large						7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35. (*)	PQ	VG	(a), (e), (f)				•
:	Leaf l	blade: color 1 on r side	;				
	RHS (indicinumb	Colour Chart ate referebce er)					
36. (*)	PQ	VG	(a), (e), (f), (g)		1	1	
	distri	blade: bution of color 1 wer side					
	along	midrib					1
	at ma	rgin					2
	betwe margi	een midrib and in					3
	along veins						4
	betwe	en veins					5
	throu	ghout					6
	along margi	midrib and at in					7
	along veins	midrib and along					8
	along throug	midrib and ghout					9
		veins and een veins					10
	at ma	rgin and ghout					11
	along veins	midrib, along and throughout					12
	along veins veins	midrib, along and between					13
	along and a	midrib, at margin long veins					14

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
37. (*)	PQ	VG	(a), (e), (f), (h)				•
:	Leafl color	plade: pattern of 1 on lower side					
	blotcl						1
		al bar					2
	stripe	es					3
	marg	inal zone					4
		or nearly solid					5
	blotcl	nes and central bar					6
		nes and stripes					7
	blotcl zone	nes and marginal					8
		al bar and stripes					9
	central bar and marginal zone						10
38. (*)	QN	VG	(a), (e), (i)			·	
	color	blade: pattern of 1 on lower side: of blotches					
	small						1
	medi	um					2
	large						3
39. (*)	QN	VG	(a), (e), (f)		1		
·		blade: total area lor 1 on lower					
	small						3
	medi	um					5
	large						7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
40. (*)	PQ	VG	(a), (e), (f)				•
:	İ	plade: color 2 on r side					
		Colour Chart ate reference er)					
41. (*)	PQ	VG	(a), (e), (f), (j)				
	distri	blade: bution of color 2 wer side					
	none						1
	along	midrib					2
	at ma	ırgin					3
	betwe margi	een midrib and n					4
	along	veins					5
	betwe	een veins					6
	throu	ghout					7
	along margi	midrib and at					8
	along veins	midrib and along					9
	along throug	midrib and ghout					10
		veins and een veins					11
	at ma	rgin and ghout					12
	along veins	midrib, along and throughout					13
	along veins veins	midrib, along and between					14
	along and a	midrib, at margin long veins					15

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
42. (*)	PQ	VG	(a), (e), (f), (h)				1
	Leaf I	blade: pattern of 2 on lower side					
	blotch						1
	centra						2
	stripe	s					3
		nal zone					4
	solid	or nearly solid					5
	blotch	nes and central bar					6
	blotch	nes and stripes					7
		nes and marginal					8
	centra	al bar and stripes					9
	centra zone	al bar and marginal					10
43. (*)	QN	VG	(a), (e), (i)				
	color	blade: pattern of 2 on lower side: of blotches					
	small						1
	mediu	ım					2
	large						3
44. (*)	QN	VG	(a), (e), (f)				•
	Leaf I of col side	blade: total area lor 2 on lower					
	small						3
	mediu	ım					5
	large						7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
45. (*)	PQ	VG	(a), (e), (f)			•	
		blade: color 3 on r side					
		Color Chart ate reference per)					
46. (*)	PQ	VG	(a), (e), (f), (j)		1		
	distri	blade: bution of color 3 wer side					
	none						1
		midrib					2
	at ma	argin					3
	betwe margi	een midrib and in					4
	along	veins					5
	betwe	een veins					6
	throu	ghout					7
	along margi	midrib and at in					8
	along veins	midrib and along					9
	along throu	midrib and ghout					10
	betwe	veins and een veins					11
	at ma	argin and					12
	along veins	midrib, along and throughout					13
	along veins veins	midrib, along and between					14
	along and a	midrib,at margin llomg veins					15

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
47. (*)	PQ	VG	(a), (e), (f), (h)				
	Leaf I	olade: pattern of 3 on lower side					
	blotch	es					1
	centra	al bar					2
	stripe	S					3
	margi	nal zone					4
	solid (or nearly solid					5
	blotch	es and central bar					6
	blotch	es and stripes					7
	blotch zone	es and marginal					8
	centra	al bar and stripes					9
	centra zone	al bar and marginal					10
48. (*)	QN	VG	(a), (e), (i)				
	color	olade:pattern of 3 on lower side: of blotches					
	small						1
	mediu	ım					2
	large						3
49. (*)	QN	VG	(a), (e), (f)				1
	Leaf I of col side	olade: total area or 3 on lower					
	small						3
	mediu	ım					5
	large						7
50. (*)	QN	VG	(a), (e)		•	•	•
	Leaf I	olade: glossiness					
	abser	it or weak				Katharngen	1
	medium						2
	strong	3				Black Beauty	3

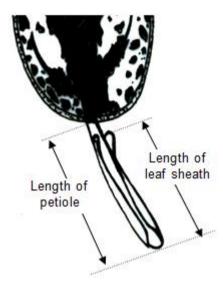
		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
51. (*)	QN	VG	(+)	(a)			•	
	Leaf I	olade: blistering						
	abser	nt or weak					Katharngen	1
	mediu						Tiara	2
	strong	 1						3
52. (*)		VG		(a)				
	İ	olade: undulation orgin						
	abser	it or very weak					Chalit's Pride	1
	weak						Katharngen	2
	mediu	ım					Saisamorn	3
	strong	J						4
	very s	trong					Black Beauty	5
53. (*)	QN	VG	(+)	(a)				
	Leaf I	plade: profile in section						
	flat						Katharngen	1
	slightl	y concave	•					2
	mode	rately concave					Tiara	3
54. (*)	QN	MS/VG	(+)	(a)			•	
		olade: number of on lower side						
	few						Black Beauty	1
	mediu	ım						2
	many						Kwakngen	3
55. (*)	QN	VG	(+)	(a)				
	Leaf I	plade: profile of b						
	raised	I					Legacy	1
	level						Katharngen	2
	sunken		Ī				Russamithong	3

8. Explanations on the Table of Characteristics

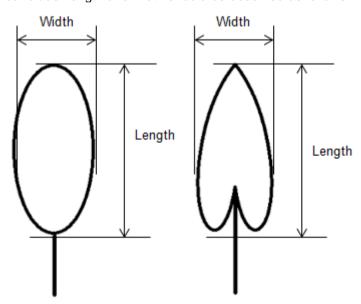
8.1 Explanations covering several characteristics

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

- (a) Leaf should be observed on the full grown leaves on middle third of foliage.
- (b) Petiole: length and Leaf sheath: length should be observed as a following.



- (c) The main color is the color with the largest surface area. In case where the areas of the main and secondary color are too similar to reliably decide which color has the largest area, the darker color is considered to be the main color.
- (d) Leaf blade: length and width should be observed as follows:



(e) Unless otherwise indicated, to be observed on the upper side of leaves.

(f) Where the characteristics refers to colors as "color 1", "color 2" etc.,they are to be recorded in the order that they appear on the RHS chart, i.e. color 1 is the one with the lowest number, color 2 with the second lowest and so on. For example, if the leaves are Green 137A patched with the White 155A, Green 137A will be a color 1 and White 155A color 2. If two colors are on the same page of the chart, for example Green 137A and Green 137D, 137A is regarded as the lower numbered color. It should be noted that under this system, ranking is independent of surface area, so the color covering the greatest surface area may be classified as color 3 or 4. The Guideline makes provision for four colors, if there are more, the color(s) with the smallest surface area(s) should be disregarded.

In Aglaonema leaf color is very significant to the overall appearance of the variety. Leaves often have several colors in different patterns. This guideline allows the description of up to four colors using the RHS Colour Charts as well as the distributions, the patterns formed and the areas covered. Although the colors are referred to as "color 1", "color 2", "color 3" and "color 4" in the headings, this does not indicate a ranking according to prominence or area covered. The order in which the colors should be observed is dictated by the order the colors appear in the RHS Colour Charts, as described in the paragraph above. Example varieties have not been provided for the leaf color characteristics. This is because the number of combinations of observations that this guideline allows for, is larger than number of combinations seen. Providing example varieties for all states of expression in this cases would be misleading. In order to provide an illustration of the recording method, different worked examples are provided as follows:

Example One - Pride of Sumatra (variety with three leaf colors)



15 Leaf blade: color 1 16 Leaf blade: distribution of color 1 17 Leaf blade: pattern of color 1 18 Leaf blade: color 1: size of blotches 19 Leaf blade: total area of color 1 20 Leaf blade: color 2 21 Leaf blade: color 2 22 Leaf blade: distribution of color 2 23 Leaf blade: color 2 24 Leaf blade: color 2 25 solid or nearly solid 26 Leaf blade: color 3 27 Leaf blade: color 3 28 Leaf blade: color 3 29 Leaf blade: color 3 20 Leaf blade: color 3 21 Leaf blade: color 3 22 Leaf blade: color 3 23 Leaf blade: color 3 24 Leaf blade: color 3 25 Leaf blade: color 3 26 Leaf blade: color 3 27 Leaf blade: color 3 28 Leaf blade: color 3 29 Leaf blade: color 3 20 Leaf blade: color 3 21 Leaf blade: color 3 22 Leaf blade: color 3 23 Leaf blade: color 3 24 Loaf blade: color 3 25 Leaf blade: color 3 26 Leaf blade: color 3 27 Leaf blade: color 4 28 Leaf blade: color 4 29 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 21 Leaf blade: color 4 22 Leaf blade: color 4 23 Leaf blade: color 4 24 Leaf blade: color 4 25 Leaf blade: color 4 26 Leaf blade: color 4 27 Leaf blade: color 4 28 Leaf blade: color 4 29 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 21 Leaf blade: color 4 22 Leaf blade: color 4 23 Leaf blade: color 4 24 Leaf blade: color 4 25 Leaf blade: color 4 26 Leaf blade: color 4 27 Leaf blade: color 4 28 Leaf blade: color 4 29 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 21 Leaf blade: color 4 22 Leaf blade: color 4 23 Leaf blade: color 4 24 Leaf blade: color 4 25 Leaf blade: color 4 26 Leaf blade: color 4 27 Leaf blade: color 4 28 Leaf blade: color 4 29 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 20 Leaf blade: color 4 21 Leaf blade: color 4 22 Leaf blade: color 4 23 Leaf blade: color 4 24 Leaf blade: color 4 25 Leaf blade: color 4 26 Leaf blade: color 4 27 Leaf blade: color 4 28 Leaf blade: color 4 29 Leaf blade: color 4 20 Leaf blade: color 4 2			
17 Leaf blade: pattern of color 1 18 Leaf blade: color 1: size of blotches 19 Leaf blade: total area of color 1 20 Leaf blade: color 2 21 Leaf blade: distribution of color 2 22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: color 2: size of blotches 25 Leaf blade: color 3: yellow Green 145C 26 Leaf blade: distribution of color 3 27 Leaf blade: distribution of color 3 28 Leaf blade: pattern of color 3 29 Leaf blade: color 3: size of blotches 20 Leaf blade: distribution of color 3 21 Leaf blade: color 3: size of blotches 22 Leaf blade: color 3: size of blotches 23 Leaf blade: color 3: size of blotches 24 Leaf blade: color 3: size of blotches 25 Leaf blade: color 4: size of blotches 26 Leaf blade: color 4: size of blotches 27 Leaf blade: color 4: size of blotches 28 Leaf blade: color 4: size of blotches 39 Leaf blade: color 4: size of blotches 30 Leaf blade: color 4: size of blotches 30 Leaf blade: color 4: size of blotches 30 Leaf blade: color 4: size of blotches 31 Leaf blade: color 4: size of blotches 32 Leaf blade: color 4: size of blotches 33 Leaf blade: color 4: size of blotches 34 Leaf blade: color 4: size of blotches 35 Leaf blade: color 4: size of blotches 36 Leaf blade: color 4: size of blotches 37 Leaf blade: color 4: size of blotches 38 Leaf blade: color 4: size of blotches	15 Leaf blade:	color 1	Red 50A
18 Leaf blade: color 1: size of blotches 19 Leaf blade: total area of color 1 20 Leaf blade: color 2 21 Leaf blade: distribution of color 2 22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 solid or nearly solid 27 large 27 large 28 Leaf blade: color 3 29 Leaf blade: distribution of color 3 21 Leaf blade: distribution of color 3 22 Leaf blade: pattern of color 3 23 Stripes 24 Leaf blade: color 3: size of blotches 25 Leaf blade: color 3: size of blotches 26 Leaf blade: color 3: size of blotches 27 Leaf blade: color 3: size of blotches 28 Leaf blade: color 3: size of blotches 29 Leaf blade: color 4 10 very small 30 Leaf blade: color 4 10 not applicable 31 Leaf blade: pattern of color 4 10 none 32 Leaf blade: color 4: size of blotches 10 not applicable 10 not applicable 11 very small 12 not applicable 13 Leaf blade: color 4: size of blotches 14 not applicable 15 not applicable 16 not applicable 17 large 18 Leaf blade: color 4: size of blotches 18 Leaf blade: color 4: size of blotches 19 Leaf blade: color 4: size of blotches 10 Leaf blade: color 4: size of blotches 10 Leaf blade: color 4: size of blotches	16 Leaf blade:	distribution of color 1	7 along midrib and at margin
19 Leaf blade: total area of color 1 20 Leaf blade: color 2 21 Leaf blade: distribution of color 2 22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 Leaf blade: total area of color 2 26 Leaf blade: color 3: Yellow Green 145C 27 Leaf blade: distribution of color 3 28 Leaf blade: pattern of color 3 29 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: pattern of color 4 34 not applicable 35 Leaf blade: color 4 36 Leaf blade: not applicable 37 Leaf blade: pattern of color 4 38 Leaf blade: pattern of color 4 39 Leaf blade: pattern of color 4 30 Leaf blade: pattern of color 4 30 Leaf blade: pattern of color 4 31 Leaf blade: pattern of color 4 32 Leaf blade: color 4: size of blotches 33 Leaf blade: color 4: size of blotches 34 leaf blade: not applicable 35 Leaf blade: color 4: size of blotches 36 Leaf blade: color 4: size of blotches 37 Leaf blade: color 4: size of blotches 38 Leaf blade: color 4: size of blotches	17 Leaf blade:	pattern of color 1	10 central bar and marginal zone
20 Leaf blade: color 2 21 Leaf blade: distribution of color 2 22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: distribution of color 3 28 Leaf blade: pattern of color 3 29 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 3 stripes 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 3 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 34 Leaf blade: color 4 5 solid or nearly solid 5 solid or nearly solid 6 not applicable 7 large 8 large 9 l	18 Leaf blade:	color 1: size of blotches	not applicable
21 Leaf blade: distribution of color 2 22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: distribution of color 3 28 Leaf blade: pattern of color 3 29 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 34 Along veins 35 stripes 36 Total area of color 3 30 Leaf blade: color 4 31 Leaf blade: color 4 32 Leaf blade: distribution of color 4 33 Leaf blade: color 4: size of blotches 34 not applicable 35 Leaf blade: color 4: size of blotches 36 not applicable 37 Leaf blade: color 4: size of blotches 38 Leaf blade: color 4: size of blotches	19 Leaf blade:	total area of color 1	1 very small
22 Leaf blade: pattern of color 2 23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 3 stripes 29 Leaf blade: total area of color 3 1 very small 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 34 along veins 35 stripes 16 not applicable 17 very small 18 not applicable 19 none 19 Leaf blade: color 4 10 none 10 none 10 none 10 not applicable 10 not applicable 10 not applicable 10 not applicable	20 Leaf blade:	color 2	Green 138A
23 Leaf blade: color 2: size of blotches 24 Leaf blade: total area of color 2 25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 31 Leaf blade: color 4: size of blotches 32 Leaf blade: color 4: size of blotches 33 Leaf blade: color 4: size of blotches 34 not applicable 35 not applicable 36 not applicable 37 large 7 la large 9 la	21 Leaf blade:	distribution of color 2	7 throughout
24 Leaf blade: total area of color 2 25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 34 along veins 35 stripes not applicable not applicable none not applicable not applicable not applicable not applicable	22 Leaf blade:	pattern of color 2	5 solid or nearly solid
25 Leaf blade: color 3 26 Leaf blade: distribution of color 3 27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 34 along veins 3 stripes not applicable 1 very small not applicable none 32 Leaf blade: color 4 not applicable not applicable not applicable	23 Leaf blade:	color 2: size of blotches	not applicable
26 Leaf blade: distribution of color 3 27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 3 tripes 1 very small 30 Leaf blade: color 4 1 Leaf blade: distribution of color 4 1 Leaf blade: pattern of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 1 very small 1 not applicable 1 none 1 not applicable 1 not applicable 1 not applicable 1 not applicable	24 Leaf blade:	total area of color 2	7 large
27 Leaf blade: pattern of color 3 28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 36 Stripes 37 A stripes 38 Stripes 38 A stripes 39 Not applicable 30 Leaf blade: color 4 30 Not applicable 31 Leaf blade: color 4: size of blotches 32 Leaf blade: color 4: size of blotches	25 Leaf blade:	color 3	Yellow Green 145C
28 Leaf blade: color 3: size of blotches 29 Leaf blade: total area of color 3 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches 36 Leaf blade: color 4: size of blotches 37 Leaf blade: color 4: size of blotches	26 Leaf blade:	distribution of color 3	4 along veins
29 Leaf blade: total area of color 3 1 very small 30 Leaf blade: color 4 31 Leaf blade: distribution of color 4 32 Leaf blade: pattern of color 4 33 Leaf blade: color 4: size of blotches not applicable not applicable	27 Leaf blade:	pattern of color 3	3 stripes
30 Leaf blade: color 4 not applicable 31 Leaf blade: distribution of color 4 none 32 Leaf blade: pattern of color 4 not applicable 33 Leaf blade: color 4: size of blotches not applicable	28 Leaf blade:	color 3: size of blotches	not applicable
31 Leaf blade: distribution of color 4 none 32 Leaf blade: pattern of color 4 not applicable 33 Leaf blade: color 4: size of blotches not applicable	29 Leaf blade:	total area of color 3	1 very small
32 Leaf blade: pattern of color 4 not applicable 33 Leaf blade: color 4: size of blotches not applicable	30 Leaf blade:	color 4	not applicable
33 Leaf blade: color 4: size of blotches not applicable	31 Leaf blade:	distribution of color 4	none
	32 Leaf blade:	pattern of color 4	not applicable
34 Leaf blade: total area of color 4 not applicable	33 Leaf blade:	color 4: size of blotches	not applicable
	34 Leaf blade:	total area of color 4	not applicable

<u>Example Two – Spotted Evergreen (variety with three leaf colors)</u>



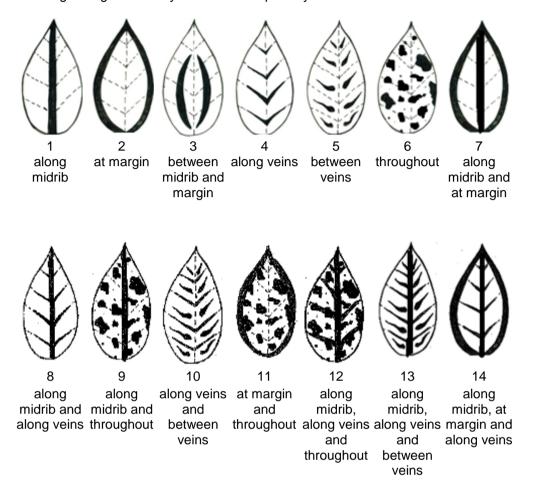
15 Leaf blade:	color 1	Green N137A
16 Leaf blade:	distribution of color 1	6 throughout
17 Leaf blade:	pattern of color 1	5 solid or nearly solid
18 Leaf blade:	color 1: size of blotches	not applicable
19 Leaf blade:	total area of color 1	7 large
20 Leaf blade:	color 2	Yellow Green 151B
21 Leaf blade:	distribution of color 2	7 throughout
22 Leaf blade:	pattern of color 2	1 blotches
23 Leaf blade:	color 2: size of blotches	1 small
24 Leaf blade:	total area of color 2	1 very small
25 Leaf blade:	color 3	White NN155B
26 Leaf blade:	distribution of color 3	2 along midrib
27 Leaf blade:	pattern of color 3	2 central bar
28 Leaf blade:	color 3: size of blotches	not applicable
29 Leaf blade:	total area of color 3	1 very small
30 Leaf blade:	color 4	not applicable
31 Leaf blade:	distribution of color 4	none
32 Leaf blade:	pattern of color 4	not applicable
33 Leaf blade:	color 4: size of blotches	not applicable
34 Leaf blade:	total area of color 4	not applicable

Example Three – Pride of Sumatra (variety with two leaf colors on lower side)

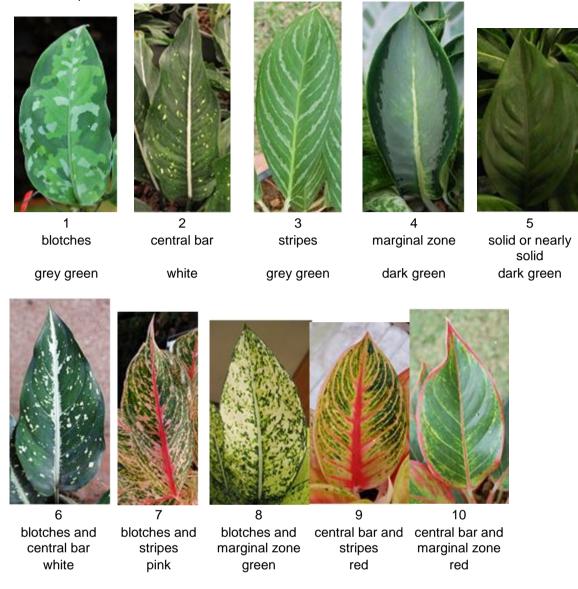


35 Leaf blade:	color 1 on lower side	Red Purple 64C
36 Leaf blade:	distribution of color 1 on lower side	13 along midrib, along veins
		and between veins
37 Leaf blade:	pattern of color 1 on lower side	9 central bar and stripes
38 Leaf blade:	pattern of color 1 on lower side: size of blotches	not applicable
39 Leaf blade:	total area of color 1 on lower side	4 small to medium
40 Leaf blade:	color 2 on lower side	Greyed Purple N186B
41 Leaf blade:	distribution of color 2 on lower side	7 throughout
42 Leaf blade:	pattern of color 2 on lower side	5 solid or nearly solid
43 Leaf blade:	pattern of color 2 on lower side: size of blotches	not applicable
44 Leaf blade:	total area of color 2 on lower side	5 medium
45 Leaf blade:	color 3 on lower side	not applicable
46 Leaf blade:	distribution of color 3 on lower side	none
47 Leaf blade:	pattern of color 3 on lower side	not applicable
48 Leaf blade:	pattern of color 3 on lower side: size of blotches	not applicable
49 Leaf blade:	total area of color 3 on lower side	not applicable

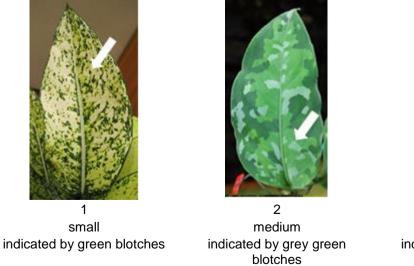
(g) Leaf blade: distribution of color should be observed as illustrated below. State "along midrib" may include state "on mid rib". The term "veins" means primary lateral veins. States of expression including "along veins" may not include all primary veins.



(h) Leaf blade: pattern of colors should be observed as follows:



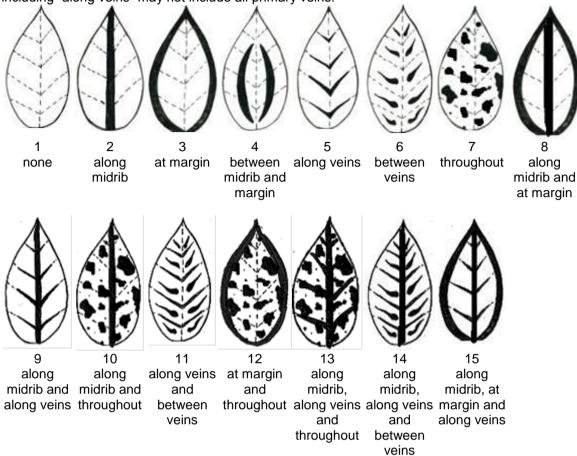
(i) Leaf blade: pattern of colors: size of blotches should be observed as follows:





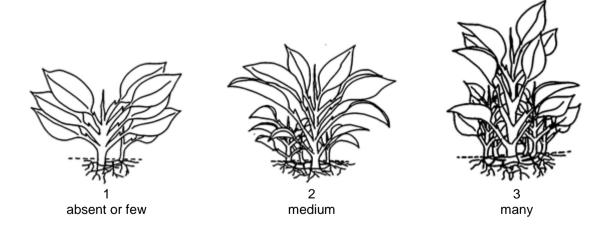
3 large indicated by dark green blotches

(j) Leaf blade: distribution of color should be observed as illustrated below. State "along midrib" may include state "on mid rib". The term "veins" means primary lateral veins. States of expression including "along veins" may not include all primary veins.

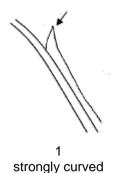


8.2 Explanations for individual characteristics

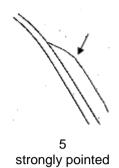
Ad. 2: Plant: number of basal shoots



Ad. 4: Leaf sheath: shoulder shape







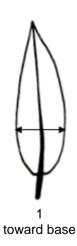
Ad. 11: Leaf blade: ratio length/width

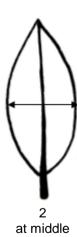






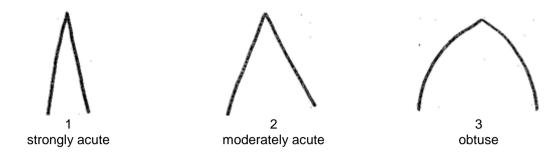
Ad. 12: Leaf blade: position of broadest part



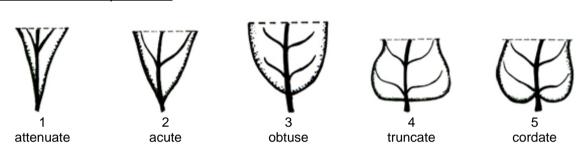




Ad. 13: Leaf blade: shape of apex



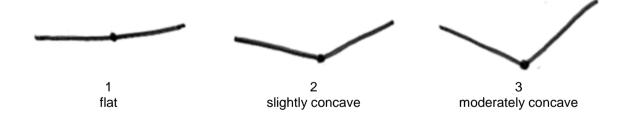
Ad. 14: Leaf blade: shape of base



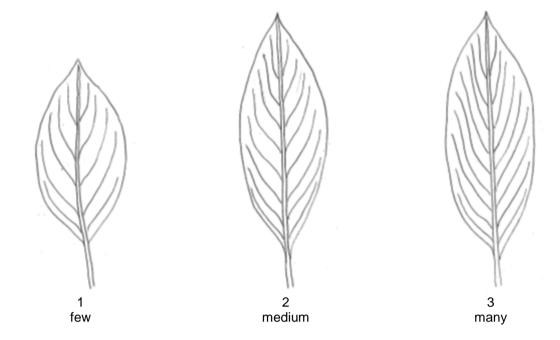
Ad. 51: Leaf blade: blistering

The following diagram indicates the longitudinal section of the leaf blade.

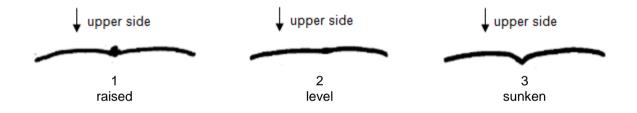
Ad. 53: Leaf blade: profile in cross section



Ad. 54: Leaf blade: number of veins on lower side



Ad. 55: Leaf blade: profile of midrib



9. <u>Literature</u>

Nicolson, D.H., 1969: A revision of genus *Aglaonema*(Araceae). Smithsonian Institution Press. Washington, USA.63 pp.

Sinchaisri, N., 2006: Catalog of Aglaonema in Thailand. Mitkaset Marketting and Advertisement company, Bangkok, Thailand TH,180 pp.

Thanabud, P., 2000: Aglaonema, Amarin Printing and Publishing Public Co., Ltd. Thailand, 239 pp.

10. <u>Technical Questionnaire</u>

TECHNICAL QUESTIONNAIRE				Page {x} of {y}	Reference Number:	
					Application date: (not to be filled in by the applicar	nt)
				CHNICAL QUESTIONNA ection with an application	IRE for plant breeders' rights	
1.	Subject	of the Technical Question	nai	re		
	1.1	Botanical name	Ag	laonema Schott		
	1.2	Common name	Ch	ninese Evergreen		
2.	Applica	nt				
	Name]				
	Address	5				
	Telepho	one No.				
	Fax No.	. [
	E-mail a	address				
	Breede applica	r (if different from nt)				
3.	Propose	ed denomination and breed	der	's reference		
	Propose (if availa	ed denomination [able)				
	Breede	r's reference				

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

Information on the breeding scheme and propagation of the variety					
4.1 Breeding scheme					
Variet	y resulting from:				
4.1.1	Crossing				
(a)	controlled cross	[]			
	(please state parent varieties)				
() x	()			
female	e parent	male parent			
(b)	partially known cross	[]			
	(please state known parent variety(ies))				
() x	()			
female	e parent	male parent			
(c)	unknown cross	[]			
4.1.2	Mutation	[]			
(pleas	se state parent variety)				
4.1.3	Discovery and development se state where and when discovered and how deve				
рісаз	state where and when discovered and now deve	Sioped)			
4.1.4	Other	[]			
(pleas	se provide details)				

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TECHNICAL Q	UESTIONNAIRE	Page {x} of {y}	Reference Number	
4.2	Method of propagating the	variety		
4.2.1	Vegetative propagation			
(a) (b) (c)	Cuttings In vitro propagation Other (state method)			[] [] []
4.2.2	Other (Please provide details)			[]

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 (9)	Leaf blade: length		
	very short		1[]
	very short to short		2[]
	short	Black Beauty	3[]
	short to medium		4 []
	medium	Tiara	5[]
	medium to long		6[]
	long	Thep Ranjuan	7[]
	long to very long		8[]
	very long		9[]
5.2 (10)	Leaf blade: width		
	very narrow		1[]
	very narrow to narrow		2[]
	narrow	Thep Ranjuan	3[]
	narrow to medium		4[]
	medium	Katharngen	5[]
	medium to broad		6[]
	broad	World Heritage	7[]
	broad to very broad		8[]
	very broad		9[]

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TECHNICAL QUESTION	NAIRE	Page {x} of {	[y}	Reference Nu	umber:			
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	Characteristics your candidate value from the similar	variety differs	the character	expression of ristic(s) for the rariety(ies)	Describe the expression the characteristic(s) for y candidate variety			
Example	Leaf blade: ratio	length/width	lo	ow	medium			
Comments:								

IECHI	NICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
#7.	Additional information which may	help in the examination of	the variety
7.1		·	re there any additional characteristics which may
	Yes []	No	[]
	(If yes, please provide details)		
7.2	Are there any special conditions f	for growing the variety or co	onducting the examination?
	Yes []	No	[]
	(If yes, please provide details)		
7.3	Other information		
Techni supple The kees to versior Further The life (c) Leader Gr.1: we Gr.2: ger.3: ger.4: ye Gr.5: reference Gr.6: reference to the supplemental su	ical Questionnaire. The photograph ments the information provided in the points to consider when taking a Indication of the date and geogra Correct labeling (breeder's refere Good quality printed photograph (minimum 960 x 1280 pixels)" or guidance on providing photograph opment of Test Guidelines", Guidanink provided may be deleted by mer af blade: color covering the largest swhite green grey green rellow ed ed purple	will provide a visual illustrate Technical Questionnaire photograph of the candidate phic location ence) (minimum 10 cm x 15 cm) as with the Technical Question ence Note 35 (http://www.upembers of the Union when desurface area on upper side,	te variety are: and/or sufficient resolution electronic format tionnaire is available in document TGP/7 ov.int/tgp/en/). eveloping authorities' own test guidelines.]
Gr.1: w Gr.2: g Gr.3: g Gr.4: y Gr.5: r	vhite green grey green rellow	argest surface area on upp	per side, with the following color groups:

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TECH	INICA	L QUES	IONNAIRE	Page {x} of	T { y }	Referenc	e Number:		
8.	Autho	rization fo	r release						
	(a)		e variety require prionent, human and an		or release u	nder legislat	ion concerni	ing the prote	ction of the
		Yes	[]	No	[]				
	(b)	Has sucl	h authorization been	obtained?					
		Yes	[]	No	[]				
	If the	answer to	(b) is yes, please at	tach a copy of t	he authoriza	ation.			
9. Inf	ormatio	on on plan	t material to be exar	mined or submit	ted for exam	nination			
	and	disease, c	ion of a characteristi chemical treatment en from different gro	(e.g. growth re	tardants or				
chara has u	cterist Inderg	ics of the one such t	ial should not have variety, unless the correctment, full details ledge, if the plant materials.	competent authors of the treatme	orities allow Int must be	or request s given. In this	uch treatme respect, ple	ent. If the pla	ant material
	(a)	Micr	oorganisms (e.g. vir	us, bacteria, ph	ytoplasma)		Yes []	No [i]
	(b)	Che	mical treatment (e.g	. growth retarda	ınt, pesticide	e)	Yes []	No [[]
	(c)	Tiss	ue culture				Yes []	No []
	(d)	Othe	er factors				Yes []	No []
	Ple	ase provid	le details for where	ou have indicat	ted "yes".				
10.	I he	reby decla	are that, to the best	of my knowledge	e, the inform	ation provid	ed in this for	m is correct	:
	App	olicant's na	ame						
	Sig	nature				Date			

[End of document]