

**UPOV**

TG/CLEMAT(proj.2)

ORIGINAL: English

DATE: August 18, 2003

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

GENEVA

**DRAFT**

**CLEMATIS**

*Clematis* L.

**GUIDELINES**

**FOR THE CONDUCT OF TESTS**

**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

*to be considered by the  
Technical Working Party for Ornamental Plants and Forest Trees  
at its thirty-sixth session, to be held in  
Niagara Falls, Canada, from September 22 to 26, 2003*

Alternative Names: \*

<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Clematis</i> L.	Clematis	Clématite	Waldrebe	Clemátide

**ASSOCIATED DOCUMENTS**

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as 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](http://www.upov.int)), for the latest information.]

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
1. SUBJECT OF THESE TESTS TGUIDELINES .....	3
2. MATERIAL REQUIRED .....	3
3. METHOD OF EXAMINATION .....	3
3.1 Duration of Tests .....	3
3.2 Testing Place .....	3
3.3 Conditions for Conducting the Examination .....	3
3.4 Test Design .....	4
3.5 Number of Plants/Part of Plant to be Examined .....	4
3.6 Additional Tests .....	4
4. ASSESSMENT OF DISTINCTNESS, UNIFORMITY AND STABILITY .....	4
4.1 Distinctness .....	4
4.2 Uniformity .....	4
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 .....	23
8.1 Explanations covering several characteristics .....	23
8.2 Explanations for individual characteristics .....	23
9. LITERATURE .....	27
10. TECHNICAL QUESTIONNAIRE .....	28

1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Clematis* L. of the family Ranunculaceae.

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 one -year old plants, not cut back, which have not previously flowered.

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

10 one -year old 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 *Duration of Tests*

The minimum duration of tests should normally be as single growing cycle.

3.2 *Testing Place*

The tests should normally be conducted at one place. If any characteristics of the variety, which are relevant for the examination of DUS, cannot be observed at that place, the variety may be tested at an additional place.

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 D6500 and should fall

with 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*

Each test should be designed to result in a total of at least 10 plants.

### 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.

### 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 minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a characteristic are sufficiently consistent.

#### 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 95% and an acceptance probability of at least 1% 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 materials 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 is 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 others 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 trials so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Plant: climbing habit (characteristic 2)
- (b) Leaf: type (characteristic 7)
- (c) Flower: type (characteristic 26)
- (d) Flower: diameter (characteristic 27)
- (e) Sepal: number of colors of upper side (characteristic 41)
- (f) Sepal: main color of upper side (characteristic 42) with the following groups:
  - Gr. 1: white
  - Gr. 2: yellow
  - Gr. 3: pink
  - Gr. 4: red
  - Gr. 5: purple
  - Gr. 6: violet
  - Gr. 7: blue
  - Gr. 8: green

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 Section 6.1.2

(QL) Qualitative characteristic –see Section 6.3

(QN) Quantitative characteristic –see Section 6.3

(PQ) Pseudo-qualitative characteristic –see Section 6.3

(a)–(d) See Explanations on the Table of Characteristics in Chapter 8, Section 8.1

(+) See Explanations on the Table of Characteristics in Chapter 8, Section 8.2

7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tablă de caractere

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
<b>1.</b> (* )		<b>Plant:sex</b>						
QL		female				Early Sensation	1	
		male				Joe, Limelight	2	
		hermaphrodite				Perled'Azur	3	
<b>2.</b> (* )		<b>Plant:climbing habit</b>						
QL		non-climbing				Evisix	1	
		climbing				Tetrarose	2	
<b>3.</b> (* )		<b><u>Non-climbing varieties only:</u> Plant: growth habit</b>						
QN		upright					1	
		semi-upright					2	
		prostrate				Joe, Pixie, Syrena	3	
<b>4.</b>		<b><u>Non-climbing varieties only:</u> Plant: vigor</b>						
QN		weak					1	
		medium					2	
		strong					3	
<b>5.</b>		<b>Youngshoot: presence of pubescence</b>						
QL		absent					1	
		present					9	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>6.</b>		<b>Youngshoot: density of pubescence</b>					
QN		sparse					3
		medium					5
		dense					7
<b>7.</b> (* (+)	(a)	<b>Leaf: type</b>					
PQ		simple					1
		ternate				Sylvia Denny, Hainton Ruby	2
		biterminate				Frances Rivis	3
		triterminate					4
		pinnate				Golden Harvest, Vanessa	5
		bipinnate					6
		tripinnate					7
<b>8.</b>	(a) (b)	<b><u>Varieties with compound leaves only: Leaf: number of leaflets</u></b>					
QN		usually three					1
		usually five					2
		usually seven					3
<b>9.</b> (*	(a) (b)	<b>Leaf blade: length</b>					
QN		short					3
		medium					5
		long					7



Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>10.</b> (* )	(a) (b)	<b>Leafblade:width</b>					
<b>QN</b>		narrow					3
		medium					5
		broad					7
<b>11.</b> (* )	(a) (b)	<b>Leafblade:shape</b>					
<b>PQ</b>		lanceolate					1
		ovate					2
		elliptic					3
		obovate					4
		rhombic					5
		cordate					6
<b>12.</b> (* )	(a) (b)	<b>Leafblade:shape of apex</b>					
<b>PQ</b>		acuminate					1
		acute					2
		cuspidate					3
		rounded					4
<b>13.</b>	(a) (b)	<b>Leafblade:shape of base</b>					
<b>PQ</b>		acute					1
		obtuse					2
		rounded					3
		cordate					4

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>14.</b>	<b>(a)</b>	<b>Leafblade:margin</b>					
	<b>(b)</b>						
<b>PQ</b>		entire					1
		sinuate					2
		crenate					3
		dentate					4
		serrate					5
<b>15.</b>	<b>(a)</b>	<b>Leafblade:lobing</b>					
	<b>(b)</b>						
<b>QL</b>		absent				General Sikorski	1
		present				Tetrarose, Syrena	2
<b>16.</b>	<b>(a)</b>	<b><u>Lobed varieties</u></b>					
	<b>(b)</b>	<b><u>only: Leafblade: number of lobes</u></b>					
<b>PQ</b>		two					1
		three or four					2
		more than four					3
<b>17.</b>	<b>(a)</b>	<b><u>Lobed varieties</u></b>					
	<b>(b)</b>	<b><u>only: Leafblade: depth of sinus between lobes</u></b>					
<b>(+)</b>							
<b>QN</b>		shallow					3
		medium					5
		deep					7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>18.</b>	<b>(a)</b>	<b>Leafblade: main</b>					
	<b>(b)</b>	<b>color of upper side</b>					
<b>PQ</b>		yellowgreen				Duchess of Edinburgh	1
		lightgreen				Burford White	2
		mediumgreen				Lady Northcliffe	3
		darkgreen				Bowl of Beauty	4
		bluegreen				My Angel	5
		greygreen				Tibetan Mix	6
		bronze				Mayleen	7
<b>19.</b>	<b>(a)</b>	<b>Leafblade:</b>					
	<b>(b)</b>	<b>variegation</b>					
<b>QL</b>		absent				Mrs. George Jackman	1
		present				Gokanosho	9
<b>20.</b>	<b>(a)</b>	<b>Leafblade: rugosity</b>					
	<b>(b)</b>	<b>of upper surface</b>					
<b>QN</b>		absent or weak					1
		moderate					2
		strong					3
<b>21.</b>	<b>(a)</b>	<b>Leafblade:</b>					
<b>(*)</b>	<b>(b)</b>	<b>hairiness on lower side</b>					
<b>QL</b>		absent					1
		present					9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>22.</b> (*)	(a) (b)	<b>Leafblade: density of air on lower side</b>					
<b>QN</b>		sparse					3
		medium					5
		dense					7
<b>23.</b> (*)	(c)	<b>Inflorescence: arrangement of flowers</b>					
<b>QL</b>		solitary				Evisix, Black Prince, Kugotia	1
		clusters				Apple Blossom	2
<b>24.</b>	(c)	<b>Inflorescence: peduncle length</b>					
<b>QN</b>		short					3
		medium					5
		long					7
<b>25.</b>	(c)	<b>Flower: orientation (irrespective of pedicel)</b>					
<b>QN</b>		facing upwards				Duchess of Albany	1
		facing outwards					2
		hanging downwards				Evisix	3

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>26.</b> (* (+)	(c)	<b>Flower: type</b>					
<b>QL</b>		single				Nelly Moser, Perled'Azur	1
		semi-double				Caroline Lloyd, Marjorie	2
		double				MultiBlue, KiriTeKanawa	3
<b>27.</b> (*	(c)	<b>Flower: diameter</b>					
<b>QN</b>		verysmall				Marjorie	1
		small				LittleNell	3
		medium				Perled'Azur	5
		large				Evista	7
		verylarge				FairyQueen, Kacper	9
<b>28.</b> (* (+)	(c) (d)	<b><u>Single and semi - double varieties</u> only: Flower: shape</b>					
<b>PQ</b>		tubular				Davidianna, Wyevale	1
		campanulate				ÉtoileRose	2
		urceolate				PhilMason	3
		rotate				Nelly Moser, LadyNorthcliffe	4
<b>29.</b> (+)	(c)	<b><u>Varieties with rotate flowers only :</u> Cross section in lateral view</b>					
<b>QN</b>		concave					1
		flat				Henryi	2
		convex					3

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades de ejemplo	Note/ Nota
<b>30.</b> (* )	(c) (d)	<b><u>Single and semi - double varieties</u></b> <b>only: Flower: number of sepals (excluding petaloids)</b>					
PQ		only four				Tetrarose, Bill MacKenzie, Perled'Azur	1
		four to six				Gipsy Queen, Prince Charles	2
		only six				Empress of India, Frau Mikiko, Villedel'Yon	3
		six to eight				Fireworks, Dawn, Haku Ooka	4
		only eight				Midnight, Sandra Denny	5
		more than eight				Mrs. George Jackman	6
<b>31.</b>	(c) (d)	<b><u>Varieties with rotate flower only:</u></b> <b>Flower: arrangement of sepals</b>					
QN		free				Black Prince	1
		touching				Jubileinyi-70	2
		overlapping				Horn of Plenty, Ivan Olssen	3
<b>32.</b>	(c)	<b>Flower: fragrance</b>					
		absent				Evijohill, Comtesse de Bouchard	1
		weakly present				Primrose Star, Freckles	2
		strongly present				Fair Rosamond, Mayleen	3

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>33.</b> (*)	(c) (d)	<b>Sepal:length</b>					
<b>QN</b>		short					3
		medium					5
		long					7
<b>34.</b> (*)	(c) (d)	<b>Sepal:width</b>					
<b>QN</b>		narrow					3
		medium					5
		broad					7
<b>35.</b> (*)	(c) (d)	<b>Sepal:shape</b>					
<b>PQ</b>		lanceolate					1
		ovate				ScarthoGem	2
		elliptic				DanielDeronda	3
		rhombic				Iubileinyi-70	4
		obovate				PrinceCharles	5
		spatulate				Teshio	6
<b>36.</b> (+)	(c) (d)	<b>Sepal:shape in cross-section</b>					
<b>QN</b>		concave					1
		flat					2
		convex					3

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
37. (+)	(c) (d)	<b><u>Varieties with rotate flowers only:</u></b> <b>Sepal: curvature in longitudinal section</b>					
QN		strongly incurved					1
		moderately incurved					3
		flat					5
		moderately reflexed					7
		strongly reflexed					9
38. (+)	(c) (d)	<b>Sepal: reflexing of distal part</b>					
QN		absent or very weak				Henryi	1
		weak					3
		medium					5
		strong				Pagoda	7
		very strong					9
39.	(c) (d)	<b>Sepal: shape of apex</b>					
PQ		acuminate				Belle of Woking	1
		acute				Helios	2
		cuspidate				Mrs. Cholmondeley	3
		obtuse				Starlight	4
		retuse				Tetrarose	5
40. (+)	(c) (d)	<b>Sepal: shape of base</b>					
PQ		type 1 ( <i>or better wording for states of expression?</i> )					1
		type 2					2
		type 3					3



Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>41.</b> (* )	(c) (d)	<b>Sepal: number of color of upperside</b>					
<b>QL</b>		only one				Lady Northcliffe	1
		more than one				Nelly Moser, Evione	2
<b>42.</b> (* )	(c) (d)	<b>Sepal: main color of upperside</b>					
<b>PQ</b>		RHS Colour Chart (indicate reference number)					
<b>43.</b> (* )	(c) (d)	<b><u>Varieties with one color only:</u> Sepal: color distribution of upperside</b>					
<b>QN</b>		lighter towards middle					1
		even					2
		lighter towards margins					3
<b>44.</b> (* )	(c) (d)	<b><u>Varieties with more than one color only :</u> Sepal: secondary color of upperside</b>					
<b>PQ</b>		RHS Colour Chart (indicate reference number)					
<b>45.</b> (* ) (+)	(c) (d)	<b><u>Varieties with more than one color only :</u> Sepal: distribution of secondary color on upperside</b>					
<b>PQ</b>		edged				Little Nell	1
		central bar				Nelly Moser	2
		speckled				Freckles	3
		along veins				Pagoda, Tango	4

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>46.</b> (* )	(c) (d)	<b>Sepal:maincolor of lowerside</b>					
<b>PQ</b>		RHS Colour Chart (indicate reference number)					
<b>47.</b> (* )	(c) (d)	<b><u>Varieties with more than one color only</u> : Sepal:secondary color of lowerside</b>					
<b>PQ</b>		RHS Colour Chart (indicate reference number)					
<b>48.</b>	(c) (d)	<b>Sepal:hairiness on lowerside</b>					
<b>QN</b>		absent or very sparse					1
		sparse					3
		medium					5
		dense					7
<b>49.</b> (* )	(c) (d)	<b>Sepal:undulation of margin</b>					
<b>QN</b>		absent or very weak				Henryi, Barbara Jackman	1
		weak				Horn of Plenty	3
		medium				Corona, Belle Nantaise	5
		strong				Evirin, Lord Nevill	7
		very strong				Katharina, The First Lady	9
<b>50.</b>	(c) (d)	<b>Sepal:twisting along longitudinal axis</b>					
<b>QL</b>		absent				Nelly Moser	1
		present				Evisix	9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
51.	(c) (d)	<b><u>Varieties with twisting along longitudinal axis only: Sepal: degree of twisting</u></b>						
QN		weak					3	
		medium					5	
		strong					7	
52.	(c)	<b><u>Petaloid stamens</u></b>						
QL		absent				Bill MacKenzie, Ville de Lyon	1	
		present				Sieboldii, Lemon Bells	9	
53.	(c)	<b><u>Varieties with petaloid stamens only: number of petaloid stamens</u></b>						
QN		few					3	
		medium					5	
		many				Sieboldii	7	
54.	(c)	<b><u>Varieties with petaloid only: Petaloids: main color of upper side</u></b>						
PQ		greenish white				Plena	1	
		green					2	
		yellow					3	
		orange					4	
		pink					5	
		red					6	
		purple				Sieboldii	7	
		violet					8	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
55. (* )	(c)	<b><u>Male and hermaphrodite varieties only :</u></b> <b>Filament: color</b>					
PQ		white				Poulala	1
		cream				Jan Pawell III	2
		yellow					3
		greenish yellow				Little Nell, Minuet	4
		green				Pagoda	5
		pink				Evione	6
		red				Richard Pennell	7
		purple				Tibetan Max	8
		brown purple				Helios	9
		brown					10
		light violet					11
		medium violet				Shikoo	12

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
56. (* )	(c)	<b><u>Male and hermaphrodite varieties only:</u></b> <b>Anther: color</b>						
PQ		white				Pink Minnie	1	
		cream				Pixie, Gravetye Beauty	2	
		yellow				Evifive, Lasurstern	3	
		pink					4	
		red				Fireworks, Evirin	5	
		reddishpurple				Marcel Moser, Fair Rosamond	6	
		purple				Ilka, Fantazia	7	
		brown				Mrs. Cholmondeley	8	
		violet					9	
57.	(c)	<b><u>Female and hermaphrodite varieties only:</u></b> <b>Stigma: color</b>						
PQ		white					1	
		yellow					2	
		pink					3	
		red					4	
		purple					5	
		brown					6	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
<b>58.</b>		<b><u>Female and hermaphrodite varieties only</u>; Style: color</b>						
<b>PQ</b>		white					1	
		yellow					2	
		pink					3	
		purple					4	
<b>59. (* )</b>		<b>Habit of flowering</b>						
<b>QL</b>		only on previous year's growth				Elizabeth	1	
		on both previous year's and current year's growth				Haku Ooka, Kacper, Nelly Moser	2	
		only on current year's growth				Jackmanii	3	
<b>60. (* )</b>		<b>Time of beginning of flowering</b>						
<b>QN</b>		early				Apple Blossom, Elizabeth	3	
		medium				Henryi, Titania	5	
		late				Jackmanii, Jan Pawell III	7	

8. ExplanationsontheTableofCharacteristics

8.1 *Explanationscovingseveralcharacteristics*

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

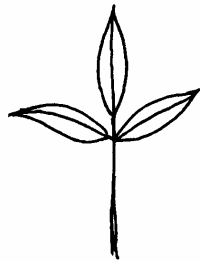
- (a) All observations on the leaf should be made on mature leaves taken from the middle third of the current season's shoots.
- (b) For varieties with compound leaves, the leaf blade characteristics should be based on the base leaflet of the first order.
- (c) All observations on the flower should be made during the first flowering period of the season.
- (d) For varieties with semi-double or double flowers, all observations on the sepals should be made on the first complete whorl of outer sepals.

8.2 *Explanationforindividualcharacteristics*

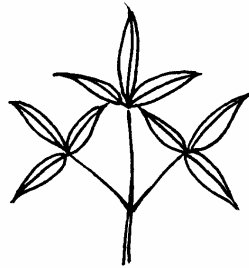
Ad.7:Leaf:type



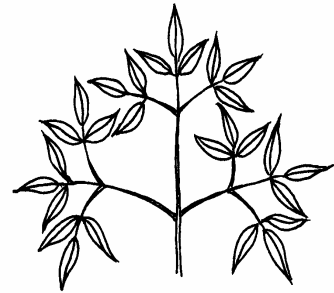
1  
simple



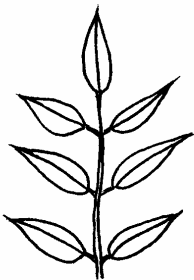
2  
ternate



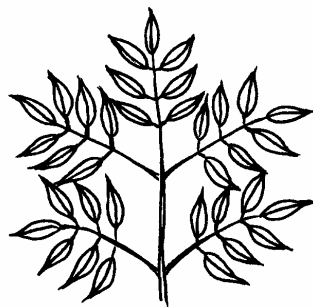
3  
biternate



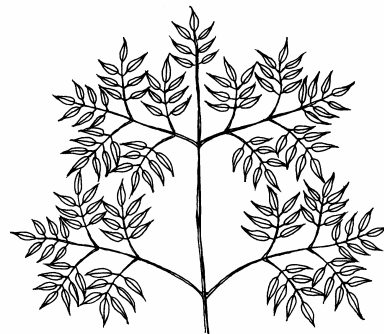
4  
triternate



5  
pinnate

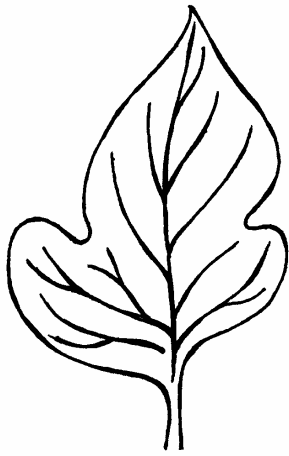


6  
bipinnate

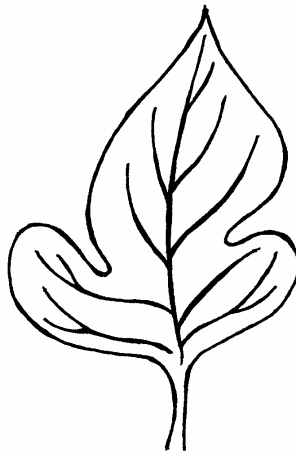


7  
tripinnate

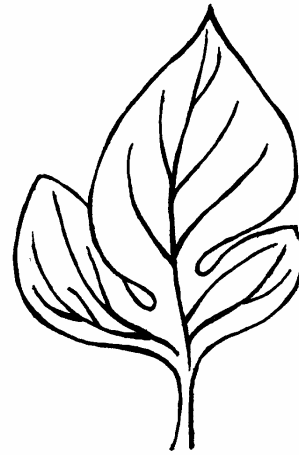
Ad.17:Lobed varieties only: Leaf blade: depth of sinus between lobes



3  
shallow



5  
medium

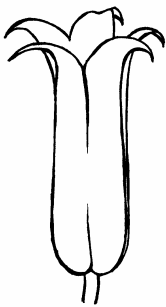


7  
deep

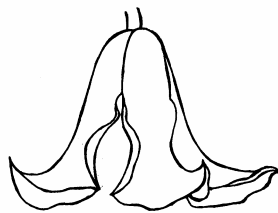
Ad.26: Flower: type

- Single: Flower which has one complete whorl of sepals  
Semi-double: Flower which has one complete whorl of sepals plus one or two whorls that may be complete or incomplete  
Double: Flower which has more than three whorls of sepals

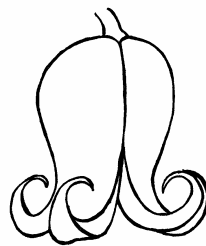
Ad.28: Single and semi -double varieties only: Flower: shape



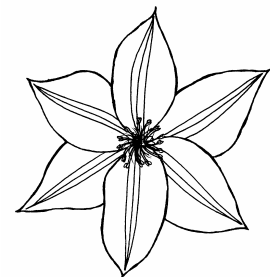
1  
tubular



2  
campanulate



3  
urceolate



4  
rotate

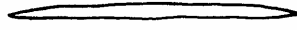


Ad.29: Varieties with rotate flowers only: Cross section in lateral view [missing]

Ad.36: Sepal: shape in cross section



1  
concave



2  
flat



3  
convex

Ad.37: Varieties with rotate flowers only: Sepal: shape in longitudinal section



1  
strongly incurved



3  
moderately incurved



5  
flat



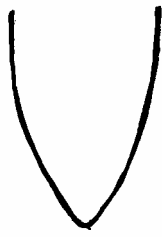
7  
moderately reflexed



9  
strongly reflexed

Ad.38: Sepal: reflexing of distal part [missing]

Ad.40:Sepal:shapeofbase



Type1

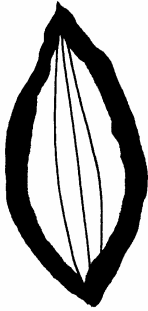


Type2

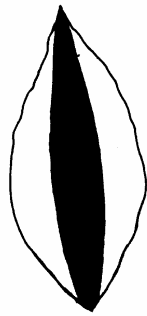


Type3

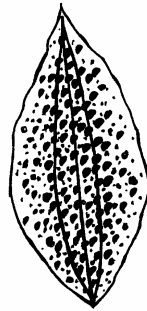
Ad.45:Varietieswithmorethanonecoloronly:Sepal:distributionofsecondarycoloron  
upperside



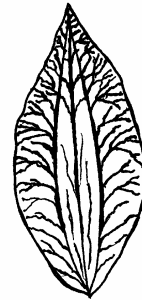
1  
edged



2  
centralbar



3  
speckled



4  
alongveins

9. Literature

- Evison, R., 1998: The Gardener's Guide to Growing Clematis, David & Charles Publishers, Devon, U.K.
- Grey-Wilson, C., 2000: Clematis – the Genus, B.T. Batsford Ltd., London, U.K.
- Huxley, A. (ed.), Griffiths, M. (ed.), Levy, M. (ed.) 1999: The Royal Horticultural Society Dictionary of Gardening, McMillan Reference Ltd., London (Volume I, pp. 641 - 651).
- Johnson, M., 2001: The Genus Clematis, Magnus Johnsons Plantskola AB, Södertälje, Sweden.
- Krüssmann, G. 1984: Manual of Cultivated Broad-Leaved Trees & Shrubs, Timber Press, Beaverton, Oregon (Volume I, pp. 339 - 353).

10. TechnicalQuestionnaire

TECHNICALQUESTIONNAIRE	Page{x}of{y}	ReferenceNumber:
		Applicationdate: (nottobefilledinbytheapplicant)
TECHNICALQUEST IONNAIRE tobecompletedinconnectionwithanapplicationforplantbreeders'rights		
1. SubjectoftheTechnicalQuestionnaire		
1.1 LatinName	<input type="text" value="Clematis L."/>	
1.2 CommonName	<input type="text" value="Clematis"/>	
2. Applicant		
Name	<input type="text"/>	
Address	<input type="text"/>	
TelephoneNo.	<input type="text"/>	
FaxNo.	<input type="text"/>	
E-mailaddress	<input type="text"/>	
Breeder(ifdifferentfromapplicant)	<input type="text"/>	
3. Proposeddenominationandbreeder'sreference		
Proposeddenomination (ifavailable)	<input type="text"/>	
Breeder'sreference	<input type="text"/>	

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

4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

Variety resulting from:

4.1.1 Crossing

- (a) controlled cross   
 (please state parent varieties)
- (b) partially known cross   
 (please state known parent variety(ies))
- (c) totally unknown cross

4.1.2 Mutation   
 (please state parent variety)

4.1.3 Discovery   
 (please state where, when and how developed)

4.1.4 Other   
 (please provide details)

4.2 Method of propagating the variety

- (a) cuttings:
- (b) *in vitro* propagation:
- (c) seed:
- (d) other (specify method):

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
<b>5.1 Plant: climbing habit</b>		
(2)		
non-climbing	Evisix	1 <input type="checkbox"/>
climbing	Tetarose	2 <input type="checkbox"/>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<b>5.2 Leaf: type</b> (7)		
simple		1[]
ternate	Sylvia Denny, Hainton Ruby	2[]
biternate	Frances Rivis,	3[]
triternate		4[]
pinnate	Golden Harvest, Vanessa	5[]
bipinnate		6[]
tripinnate		7[]
<b>5.3 Flower: type</b> (26)		
single	Nelly Moser, Perled' Azur	1[]
semi-double	Caroline Lloyd, Marjorie	2[]
double	Multi Blue, Kiri Te Kanawa	3[]
<b>5.4 Flower: diameter</b> (27)		
verysmall	Marjorie	1[]
small	Little Nell	3[]
medium	Perled' Azur	5[]
large	Evista	7[]
verylarge	Fairy Queen, Kacper	9[]
<b>5.6 Sepal: number of colors of upperside</b> (41)		
only one	Lady Northcliffe	1[]
more than one	Nelly Moser, Evione	2[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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<b>5.7ii</b>	<b>Sepal: main color of upper side</b>	
(42)		
	white	1[]
	yellow	2[]
	pink	3[]
	red	4[]
	purple	5[]
	violet	6[]
	blue	7[]
	green	8[]

6. Similar varieties and differences from these varieties

*Please use the table, and space provided for comments, below to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.*

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the <b>similar</b> variety(ies)	Describe the expression of the characteristic(s) for <b>your</b> candidate variety
<i>Example</i>	<i>Flower: diameter</i>	<i>e.g. note 3</i>	<i>note 7</i>
		<i>e.g. small</i>	<i>large</i>
		<i>e.g. 5cm</i>	<i>16cm</i>

Comments:

TECHNICALQUESTIONNAIRE	Page{x}of{y}	ReferenceNumber:
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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 Special conditions for the examination of the variety

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

Yes  No

7.2.2 If yes, please give details:

7.3 Other information

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

8. Authorization for release

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

Yes  No

(b) Has such authorization been obtained?

Yes  No

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



TECHNICALQUESTIONNAIRE	Page{x}of{y}	ReferenceNumber:
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9. Informationonplantmaterialtobeexamined.

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 <input type="checkbox"/> | No <input type="checkbox"/> |
| (b) Chemical treatment (e.g. growth retardant or pesticide) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (c) Tissue culture  | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (d) Other factors   | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

Please provide details of where you have indicated "yes".

.....

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

Applicant's name

Signature

Date

[End of document]