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GENEVA

**TECHNICAL WORKING PARTY
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WORKING PAPER ON DRAFT TEST GUIDELINES FOR CLEMATIS

Document prepared by experts from Canada

The attached document Clemat(proj.1) already incorporates the standard wording of document TGP/7.2, which was adopted by the Technical Committee at its thirty-eighth session in April 2002, and includes some additional standard wording from document TGP/7.1 Draft 1, also agreed at that session.

[Document Clemat(proj.1) follows]

UPOV

Clemat(proj1.)

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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

Alternative Names: *

Latin	English	French	German	Spanish
<i>Clematis L.</i>	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), for the latest information.]

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1. SubjectoftheseGuidelines

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

2. MaterialRequired

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.

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

10 one -year old plants (not cut back)

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. MethodofExamination

3.1 *DurationofTests*

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

3.2 *TestingPlace*

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 seen at that place, the variety may be tested at an additional place.

3.3 *ConditionsforConductingtheExamination*

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 Characteristics containing the following notes 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 terminal leaflet.
- (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.

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

3.4 *Test Design*

3.4.1 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.

3.4.2 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 determined by measuring or counting 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*

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:

4.2.1 The acceptable number of off-type plants tolerated in a sample size of 10 plants is 1 on the basis of a population standard of 1% and an acceptance probability of 95%.

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 seed or 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:sex (characteristic 1)
- (b) Plant:persistence of leaves(characteristic 2)
- (c) Plant:climbing habit(characteristic 3)
- (d) Leaf:type(characteristic 10)
- (e) Flower:type(characteristic 30)
- (f) Flower:diameter(characteristic 31)
- (g) Single and semi-double varieties only:Flower:shape(characteristic 32)
- (h) Sepal:number of colors of upper side(characteristic 46)

- (i) Sepal: main color of upper side (characteristic 47) 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
- (j) Habit of flowering (characteristic 65)

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*

- (*) Asterisk characteristic –seeSection6.1.2
- (QL) Qualitativecharacteristic –seeSection6.3
- (QN) Quantitativecharacteristic –seeSection6.3
- (PQ) Pseudo-Qualitativecharacteristic –seeSection6.3
- (+) SeeExplanationsontheTableofCharacteristicsinChapter8.
- (a)-(d)Seesection3.3.3

7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
1. (*)	Plant:sex	female				Early Sensation	1	
		male				Joe, Limelight	2	
		hermaphrodite				Perle d'Azur	3	
2.	Plant:persistence of leaves	deciduous				Gipsy Queen, Black Prince	1	
		evergreen				Apple Blossom, Fairy	2	
3. (*)	Plant:climbing habit	non-climbing				Evisix	1	
		climbing				Tetrase	2	
4. (*)	<u>Non-climbing varieties only:</u> Plant: growth habit	upright					1	
		semi-upright					5	
		prostrate					Joe, Pixie, Syrena	9
5.	<u>Non-climbing varieties only:</u> Plant: height at flowering	very short					1	
		short					3	
		medium					5	
		tall					7	
		very tall					9	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.		Youngshoot: presence of anthocyanin coloration					
		absent				Comtessede Bouchard	1
		present				MagicStar	9
7.		Youngshoot: intensity of anthocyanin coloration					
		weak					3
		medium					5
		strong					7
8.		Youngshoot: presence of pubescence					
		absent					1
		present					9
9.		Youngshoot: density of pubescence					
		sparse					3
		medium					5
		dense					7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
10. (* (+)	(a)	Leaf:type						
		simple					1	
		ternate				SylviaDenn y, HaintonRuby	2	
		biterminate				FrancesRivis	3	
		triterminate					4	
		pinnate				GoldenHarvest, Vanessa	5	
		bipinnate					6	
		tripinnate				7		
11. (* (+)	(a) (b)	<u>Varietieswith</u> <u>compoundleaves</u> <u>only:Leaf:number</u> <u>ofleaflets</u>						
		onlythree					1	
		onlyfive					2	
		onlyseven				3		
12. (* (+)	(a) (b)	Leafblade:length						
		short					3	
		medium					5	
		long				7		
13. (* (+)	(a) (b)	Leafblade:width						
		narrow					3	
		medium					5	
		broad				7		

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
14. (+)	(a) (b)	Leafblade:ratio of length/width					
			much broader than long				1
			slightly broader than long				3
			as broad as long				5
			slightly longer than broad				7
		much longer than broad				9	
15. (* (+)	(a) (b)	Leafblade:shape					
			lanceolate				1
			ovate				2
			elliptic				3
			obovate				4
			rhombic				5
		cordate				6	
16. (* (+)	(a) (b)	Leafblade:shape of apex					
			acuminate				1
			acute				2
			cuspidate				3
		rounded				4	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
17. (+)	(a)	Leafblade:shape of base						
	(b)							
			acute					1
			obtuse					2
			rounded					3
		cordate					4	
18. (+)	(a)	Leafblade:margin						
	(b)							
			entire				Sheila Thacker	1
			sinuate					2
			crenate				Taupo	3
			dentate					4
		serrate					5	
19.	(a)	Leafblade:lobing						
	(b)							
			absent				General Sikorski	1
		present				Syrena, Tetrarose	9	
20.	(a)	<u>Lobed varieties only</u>:Leafblade: number of lobes						
	(b)							
			two					1
			three to four				Syrena	2
		more than four					3	
21. (+)	(a)	<u>Lobed varieties only</u>:Leafblade: depth of sinus between lobes						
	(b)							
			shallow					3
			medium					5
		deep					7	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota	
22.	(a)	Leafblade:main colorofupperside						
	(b)							
			yellowgreen				Duchessof Edinburgh	1
			lightgreen				BurfordWhite	2
			mediumgreen				LadyNorthcliffe	3
			darkgreen				BowlofBeauty	4
			bluegreen				MyAngel	
			greygreen				TibetanMix	5
	browngreen					6		
	bronze				Mayleen	7		
23.	(a)	Leafblade: variegation						
	(b)							
			absent				Mrs.George Jackman	1
	present				Gokanosho	9		
24.	(a)	Leafblade:rugosity ofuppersurface						
	(b)							
			absentorvery weaklyexpressed					1
			weaklyexpressed					2
	stronglyexpressed					3		
25. (*)	(a)	Leafblade: hairinessonlower side						
	(b)							
			absent					1
	present				LordPeter	9		

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
26. (*)	(a) (b)	Leafblade: density of hair on lower side						
			sparse					3
			medium					5
			dense					7
27. (*)	(c)	Flowers: arrangement						
			solitary				Black Prince, Evisix, Kugotia	1
			clusters				Apple Blossom	2
28.		<u>Varieties with inflorescence only:</u> Peduncle: length						
			short					3
			medium					5
			long					7
29. (+)	(c)	Flower: attitude						
			erect				Duchess of Albany	1
			semi-erect					3
			horizontal					5
			semi-pendulous				Prince Charles	7
			pendulous				Evisix	9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
30. (* (+)	(c)	Flower:type					
		single				Nelly Moser, Perled'Azur	1
		semi-double				Caroline Lloyd, Marjorie	2
		double				Kiri Te Kanawa, MultiBlue	3
31. (*	(c)	Flower:diameter					
		verysmall				Marjorie	1
		small				Little Nell	3
		medium				Perled'Azur	5
		large				Evista	7
		verylarge				Fairy Queen, Kacper	9
32. (* (+)	(c) (d)	<u>Single and semi - double varieties</u> only: Flower:shape					
		tubular				Davidianna, Wyevale	1
		campanulate				Étoile Rose	2
		urceolate				Phil Mason	3
		rotate				Lady Northcliffe, Nelly Moser	4
33.	(c)	<u>Rotate flower only</u> : Cross section in lateral view					
		flat				Henryi	1
		concave					2

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
34. (*)	(c)	<u>Single and semi -</u>					
	(d)	<u>double varieties</u>					
		only: Flower: number of sepals (excluding petaloids)					
		only four				Bill MacKenzie, Perled'Azur Tetrarose,	1
		four to six				Gipsy Queen, Prince Charles	2
		only six				Empress of India, Frau Mikiko, Villedel Lyon	3
		six to eight				Dawn, Fireworks, Haku Ooka	4
		only eight				Sandra Denny, Midnight	5
		more than eight				Mrs. George Jackman	6
35.	(c)	<u>Varieties with</u>					
	(d)	<u>rotate flower only:</u>					
		Flower: arrangement of sepals					
		free				Black Prince	3
		touching				Iubileinyi-70	5
		overlapping				Horn of Plenty, Ivan Olssen	7
36.	(c)	Flower: fragrance					
		absent				Comtesse de Bouchard, Evijohill	1
		weakly present				Freckles, Primrose Star	2
	strongly present				Fair Rosamond, Mayleen	3	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
37. (*)	(c) (d)	Sepal:length					
		short					3
		medium					5
		long					7
38. (*)	(c) (d)	Sepal:width					
		narrow					3
		medium					5
		broad					7
39. (*)	(c) (d)	Sepal:ratioof length/width					
		muchbroaderthan long					1
		slightlybroaderthan long					3
		asbroadaslong					5
		slightlylongerthan broad					7
		muchlongerthan broad					9
40. (*)	(c) (d)	Sepal:shape					
		lanceolate					1
		ovate				ScarthoGem	2
		elliptic				DanielDeronda	3
		rhombic				Iubileinyi-70	4
		obovate				PrinceCharles	5
		spatulate				Teshio	6

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
41.	(c)	Sepal:shapein					
	(d)	cross-section					
		stronglyconcave					1
		moderatelyconcave					3
		flat					5
		moderatelyconvex				7	
		stronglyconvex				9	
42.	(c)	Sepal:curvaturein					
	(d)	longitudinalsection					
		stronglyincurved					1
		moderatelyincurved					3
		flat					5
		moderatelyreflexed				7	
		stronglyreflexed				9	
43.	(c)	Sepal:reflexingof					
	(d)	apex					
		absentorveryweak				Henryi	1
		weak					3
		medium					5
		strong			Pagoda	7	
		verystrong				9	
44. (+)	(c)	Sepal:shapeofapex					
	(d)						
		acuminate				BelleofWoking	1
		acute				Helios	2
		cuspidate				Mrs.Cholmondeley	3
		obtuse			Starlight	4	
		retuse			Tetrarose	5	

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
45.	(c)	Rotate varieties						
	(d)	only: Sepal: length of claw						
		small						3
		medium						5
		large						7
46. (*)	(c)	Sepal: number of						
	(d)	color of upperside						
		only one					Lady Northcliffe	1
		more than one					Evione, Nelly Moser	2
47. (*)	(c)	Sepal: main color of						
	(d)	upperside						
		RHS Colour Chart (indicate reference number)						
48. (*)	(c)	<u>Varieties with one</u>						
	(d)	<u>color only: Sepal: color distribution of upperside</u>						
		uniform						1
		light towards middle						2
		light towards margins						3
49. (*)	(c)	<u>Varieties with more</u>						
	(d)	<u>than one color only</u> : Sepal: secondary color of upperside						
		RHS Colour Chart (indicate reference number)						

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
50. (*) (+)	(c) (d)	<u>Varieties with more than one color only</u> : Sepal: distribution of secondary color on upper side					
		edged				Little Nell	1
		central bar				Nelly Moser	2
		speckled				Freckles	3
		streaked					4
		along veins				Pagoda, Tango	5
51. (*)	(c) (d)	Sepal: main color of lower side					
		RHSColourChart (indicator reference number)					
52. (*)	(c) (d)	<u>Varieties with more than one color only</u> : Sepal: secondary color of flower side					
		RHSColourChart (indicator reference number)					
53.	(c) (d)	Sepal: hairiness on lower side					
		absent or very sparse					1
		sparse					3
		medium					5
		dense					7
		very dense					9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
54. (*)	(c) (d)	Sepal:undulationof margin					
		absentorverywe ak				BarbaraJackman, Henryi	1
		weak				HornofPlenty	3
		medium				Corona,Belle Nantaise	5
		strong				Evirin,LordNevill	7
		verystrong				Katharina,TheFirst Lady	9
55.	(c) (d)	Sepal:twisting alonglongitudinal axis					
		absent				Nelly Moser	1
		present				Evisix	9
56.	(c) (d)	<u>Varietieswith twistingalong longitudinalaxis only:Sepal: curvaturein longitudinalsection</u>					
		weak					3
		medium					5
		strong					7
57.	(c)	Petaloidstamens					
		absent				BillMacKenzie, VillededeLyon	1
		present				LemonBells, Sieboldii,	9
58.	(c)	<u>Varietieswith petaloidstamens: Petaloids:number</u>					
		few					3
		medium					5
		many				Sieboldii	7

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
59.	(c)	<u>Varieties with petaloid only :</u> Petaloids: main color of upper side					
		greenish white				Plena	1
		green					2
		yellow					3
		orange					4
		pink					5
		red					6
		purple				Sieboldii	7
		violet					8
60. (*)	(c)	<u>Male and hermaphrodite varieties only :</u> Filament: color					
		white				Laura Denny, Poulala	1
		cream				Jan Pawell III	2
		greenish yellow				Little Nell, Minuet	3
		green				Pagoda	4
		pink				Cotton Candy, Evione	5
		red				Richard Pennell	6
		purple				Tibetan Max	7
		brown purple				Helios	8
		violet				Shikoo	9

Char. No.	Method of Examination	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedadesejemplo	Note/ Nota
61. (*)	(c)	<u>Maleand hermaphrodite varietiesonly:</u>					
		Anther:color					
		white				PinkMinnie	1
		cream				GravetyeBeauty, Pixie	2
		yellow				Evifive,Lasurstern	3
		pink					4
		red				Evirin,Fireworks	5
		reddishpurple				FairRosamond, MarcelMoser	6
		purple			Fantaziia,Ilka	7	
		brown			Mrs.Cholmondeley	8	
62.	(c)	<u>Hermaphrodite varietiesonly:</u>					
		Pistil:height relativetoheightof stamens					
		below					1
		atsamelevel				2	
		above				3	
63.	(c)	<u>Femaleand hermaphrodite varietiesonly:</u>					
		Stigma:color					
		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
64.	(c)	<u>Female and hermaphrodite varieties only</u> :Style: color					
		white					1
		yellow					2
		pink					3
		purple					4
65. (*)		Habit of flowering					
		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
66. (*)		Time of beginning of flowering					
		early				Apple Blossom, Elizabeth	3
		medium				Henryi, Titania	5
		late				Jackmanii, Jan Pawell	7

8. ExplanationsontheTableofCharacteristics

Ad.10:Leaf:type

Tobeadded

1
simple

2
ternate

3
biternate

4
triternate

5
pinnate

6
bipinnate

7
tripinnate

Ad.14:Leafblade:ratiooflength/width

Tobeadded

1
muchbroader
thanlong

2
slightlybroader
thanlong

3
asbroadaslong

4
slightlylonger
thanbroad

5
muchlonger
thanbroad

Ad. 15: Leafblade:shape

Tobeadded.

1
lanceolate

2
ovate

3
elliptic

Tobeadded

4
obovate

5
rhombic

6
cordate

Ad. 16: Leafblade:shapeofapex

Tobeadded.

1	2	3	4
acuminate	acute	cuspidate	rounded

Ad.17:Leafblade:shapeofbase

Tobeadded.

1	2	3	4
acuminate	acute	rounded	cordate

Ad.18:Leafblade:margin

Tobeadded.

1	2	3	4	5
entire	sinuate	crenate	dentate	serrate

Ad.21:Lobedvarietiesonly:Leafblade:depthofsinusbetweenlobes

Tobeadded.

3	5	7
shallow	medium	deep

Ad.29:Flower:at titude

Tobeadded.

1	2	3	4	5
erect	semi-erect	horizontal	semi-pendulous	pendulous

Ad.30:Flower:type

To be added.

1
single

2
semi-double

3
double

Ad.32:Singleandsemi -doublevarietiesonly:Flower:shape

To be added.

1
tubular

2
campanulate

3
urceolate

4
rotate

Ad.44:Sepal:shapeofapex

To be added.

1
acuminate

2
acute

3
cuspidate

4
obtuse

5
retuse

Ad.50: Varieties with more than one color only: Sepal: distribution of secondary color on
upperside

To be added.

1
edged

2
central bar

3
speckled

4
streaked

5
along veins

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)
TECHNICALQUESTIONNAIRE tobecompletedinconnectionwithanapplicationforplantbreeders'rights		
1. SubjectoftheTechnicalQuestionnaire		
1.1 Genus		
1.1.1 LatinName	<input type="text" value="ClematisL."/>	
1.1.2 CommonName	<input type="text" value="Clematis"/>	
1.2 Species(pleasecomplete)		
1.2.1 LatinName	<input type="text"/>	
1.2.2 CommonName	<input type="text"/>	
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"/>	

TECHNICALQUESTIONNAIRE	Page{ x }of{y}	ReferenceNumber:
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4. Informationonthebreedingschemeandpropagationofthevariety

4.1 BreedingScheme

4.1.1Varietyresultingfrom:

- (a) controlledcross
(pleasestateparentvarieties)
- (b) partiallyunknowncross
(pleasestateknownparentvariety(ies))
- (c) totallyunknowncross

4.1.2 Mutation
(pleasestateparentvariety)

4.1.3 Discovery
(pleasestatewhere,whenandhowdeveloped)

4.1.4 Other
(pleaseprovidedetails)

4.2 MethodofPropagatingtheVariety

- (a)cuttings:
- (b) *invitro* propagation:
- (c)seed:
- (d)other(s pecifymethod):

5. Characteristics of the variety to be indicated (the number in brackets refers to the correspondingcharacteristicinTestGuidelines;pleasemarkthenotewhichbestcorresponds).

Characteristics	ExampleVarieties	Note
5.1 Plant:sex		
(1)		
female	EarlySensation	1[]
male	Joe,Limelight	2[]
hermaphrodite	Perled'Azur	3[]

Characteristics	Example Varieties	Note
5.2 Leaf:type (10)		
simple		1[]
ternate	HaintonRuby,SylviaDenny	2[]
biterminate	FrancesRivis,	3[]
triterminate		4[]
pinnate	GoldenHarvest,Vanessa	5[]
bipinnate		6[]
tripinnate		7[]
5.3 Flower:type (30)		
single	NellyMoser,Perled'Azur	1[]
semi-double	CarolineLloyd,Marjorie	2[]
double	KiriTeKanawa,M ultiBlue,	3[]
5.4 Flower:diameter (31)		
verysmall	Marjorie	1[]
small	LittleNell	3[]
medium	Perled'Azur	5[]
large	Evista	7[]
verylarge	FairyQueen,Kacper	9[]
5.5 <u>Single and semi -double varieties only</u> : Flower: shape (32)		
tubular	Davidianna,Wyevale	1[]
campanulate	ÉtoileRose	2[]
urceolate	PhilMason	3[]
rotate	LadyNorthcliffe NellyMoser	4[]
5.6 Sepal:numberofcolorsonupperside (46)		
onlyone	LadyNorthcliffe	1[]
morethanone	Evione,NellyM oser	2[]

Characteristics	Example Varieties	Note	
5.7i Sepal:maincolorofupperside (47)			
RHSColourChart(indicatorreferencenumber)			
5.7ii Sepal:maincolorofupperside (47)			
white		1[]	
yellow		2[]	
pink		3[]	
red		4[]	
purple		5[]	
violet		6[]	
blue		7[]	
green		8[]	
5.8 Habitofflowering (65)			
onlyonpreviousyear'sgrowth	Elizabeth	1[]	
onbothpreviousyear'sandcurrentyear'sgrowth	HakuOokan,Kacper, NellyMoser	2[]	
onlyoncurrentyear'sgrowth	Jackmanii	3[]	
6. Similarvarieties anddifferencesfromthesevarieties			
Denomination(s)of variety(ies)similar to yourcandidatevariety	Characteristic(s)in whichyourcandidate varietydiffersfrom thesimilarvariety(ies)	Describetheexpression ofthecharacteristic(s) forthesimil ar variety(ies)	Describetheexpression ofthecharacteristic(s) foryourcandidate variety
<i>(Example)</i>	<i>Plant:height</i>	<i>e.g. note3</i>	<i>note7</i>
		<i>e.g. short</i>	<i>tall</i>
		<i>e.g. 90cm</i>	<i>130cm</i>

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

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.

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

Applicant's name

Signature

Date