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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY
FOR
ORNAMENTAL PLANTS AND FOREST TREES**

**Thirty-Third Session
Budapest, June 26 to 30, 2000**

WORKING PAPER ON TEST GUIDELINES FOR CLEMATIS (*Clematis* L.).

Document prepared by experts from Canada

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
1. Plant: persistence of leaves (*)	deciduous	1	
	evergreen	2	
2. Plant: climbing habit (*)	climbing	1	
	non-climbing	2	
3. Plant: growth habit (for non-climbing types)	erect	1	
	semi-erect	3	
	medium	5	
	semi-prostrate	7	
	prostrate	9	
4. Plant: height at flowering (<u>non-climbing</u> varieties only)	very short	1	
	short	3	
	medium	5	
	tall	7	
	very tall	9	
5. Plant: height at end of season (<u>climbing</u> varieties only)	very short	1	
	short	3	
	medium	5	
	tall	7	
	very tall	9	
6. Young shoot: anthocyanin colouration of internodes	absent or very weak	1	
	weak	3	
	medium	5	
	strong	7	
	very strong	9	
7. Young shoot: pubescence (15 cm below apex)	absent	1	
	present	9	
8. Young shoot: density of pubescence	sparse	3	
	medium	5	
	dense	7	
9. Shoot: surface (*) (middle 1/3 of current season's growth)	smooth	1	
	edged	2	
	striate	3	
	ribbed	4	

<u>Table of Characteristics</u>			
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10. Shoot: main colour on (*) sunny side	green	1	
	yellowish brown	2	
	brown	3	
	reddish brown	4	
	red	5	
11. Young leaf: colour (*) (first four distal unfolded leaves)	yellowish green	1	
	light green	2	
	medium green	3	
	dark green	4	
	reddish green	5	
	bronze	6	
	red	7	
(All leaf measurements and observations are made on leaves from the middle third of the current season's growth. For varieties with compound leaves, leaf blade characteristics are based on the terminal leaflet.)			
12. Leaf: type	simple	1	
	ternate	2	
	biterminate	3	
	pinnate	4	
	bipinnate	5	
13. Leaf blade: length	short	3	
	medium	5	
	long	7	
14. Leaf blade: width	narrow	3	
	medium	5	
	broad	7	
15. Leaf blade: shape (*)	lanceolate	1	
	ovate	2	
	elliptic	3	
	obovate	4	
	rhombic	5	
	cordate	6	
16. Leaf blade: shape of apex	acute	1	
	acuminate	2	
	cuspidate	3	
	rounded	4	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
17. Leaf blade: shape of base	acute	1	
	obtuse	2	
	rounded	3	
	cordate	4	
18. Leaf blade: margin (*)	entire	1	
	undulate	2	
	crenate	3	
	dentate	4	
	serrate	5	
19. Leaf blade: lobing	absent	1	
	present	9	
20. Leaf blade: number of lobes (lobed varieties only)	two	1	
	three	2	
	more than three	3	
21. Leaf blade: main colour of (*) upper side	yellow side	1	
	light green	2	
	medium green	3	
	dark green	4	
	grey green	5	
	bronze-green	6	
	brown-green	7	
22. Leaf blade: variegation	absent	1	
	present	9	
23. Leaf blade: secondary colour (varieties with variegated leaves only)	white	1	
	yellow	2	
	grey	3	
24. Leaf blade: distribution of secondary colour	marginal	1	
	central	2	
	irregular blotches	3	
	fine flecks	4	
	stripes/streaks	5	
	interveinal	6	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
25. Leaf blade: rugosity	absent or very weak	1	
	weak	3	
	medium	5	
	strong	7	
	very strong	9	
26. Leaf blade: pubescence on lower side	absent	1	
	present	9	
27. Leaf blade: density of pubescence on lower side	sparse	3	
	medium	5	
	dense	7	
28. Petiole: length	short	3	
	medium	5	
	long	7	
29. Petiole: anthocyanin colouration	absent or very weak	1	
	weak	3	
	medium	5	
	strong	7	
	very strong	9	
30. Flower: position on the plant (*)	previous season's growth	1	
	current & previous season's growth	2	
	current season's growth	3	
31. Flower: arrangement (*)	solitary	1	
	inflorescence	2	
32. Inflorescence: number of flowers	few	3	
	medium	5	
	many	7	
33. Flower head: type (*)	single	1	
	semi-double	2	
	double	3	
34. Flower: shape of perianth (*) (single varieties only)	tubular	1	
	globular	2	
	campanulate	3	
	urceolate	4	
	rotate	5	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
35. Flower: diameter	small	3	
	medium	5	
	large	7	
36. Flower: number of sepals (* (single varieties only)	four	1	
	five	2	
	six	3	
	six to eight	4	
	eight	5	
37. Flower: arrangement of sepals (single varieties only)	very apart	1	
	slightly apart	3	
	touching	5	
	slightly overlapping	7	
	strongly overlapping	9	
38. Flower: fragrance	absent or very weak	1	
	weak	3	
	medium	5	
	strong	7	
	very strong	9	
39. Sepal: length (*)	short	3	
	medium	5	
	long	7	
40. Sepal: width (*)	narrow	3	
	medium	5	
	broad	7	
41. Sepal: shape (*)	lanceolate	1	
	ovate	2	
	elliptic	3	
	oblanceolate	4	
	obovate	5	
	spatulate	6	
42. Sepal: profile in cross section (*)	strongly convex	1	
	slightly convex	3	
	flat	5	
	slightly concave	7	
	strongly concave	9	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
43. Sepal: shape of apex (*)	narrow acute	1	
	broad acute	2	
	acuminate	3	
	cuspidate	4	
	obtuse	5	
	rounded	6	
	retuse	7	
	truncate	8	
44. Sepal: type of colouration (*)	single coloured	1	
	bicoloured	2	
45. Sepal: colour of margin of upper side (*) RHS Colour chart (indicate reference number)			
46. Sepal: colour of central zone of upper side (*) RHS Colour chart (indicate reference number)			
47. Sepal: colour of margin of lower side (*) RHS Colour chart (indicate reference number)			
48. Sepal: colour of central zone of lower side (*) RHS Colour chart (indicate reference number)			
49. Sepal: colour pattern of upper side (bicoloured varieties only)	edged	1	
	central bar	2	
	speckled	3	
	stripes	4	
50. Sepal: coloured venation on upper side (bicoloured varieties only)	absent	1	
	present	9	
51. Sepal: texture of inner surface	smooth	3	
	intermediate	5	
	rough	7	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
52. Sepal: pubescence of outer surface	absent or very sparse	1	
	sparse	3	
	medium	5	
	dense	7	
	very dense	9	
53. Sepal: type of margin	entire	1	
	irregular	2	
54. Sepal: undulation of margin	absent or very weak	1	
	weak	3	
	medium	5	
	strong	7	
	very strong	9	
55. Flower center: petaloids	absent	1	
	present	9	
56. Petaloids: number	few	3	
	medium	5	
	many	7	
57. Petaloids: main colour of upper side RHS Colour Chart (indicate reference number)			
58. Stamens:	absent	1	
	present	9	
59. Filament: colour	white	1	
	cream	2	
	yellow	3	
	green	4	
	pink	5	
	red	6	
	purple	7	
	violet	8	

<u>Table of Characteristics</u>			
<u>Characteristic</u>	<u>State of expression</u>	<u>Note</u>	<u>Example varieties</u>
60. Anther: colour	white	1	
	cream	2	
	yellow	3	
	pink	4	
	red	5	
	red-purple	6	
	purple	7	
	brown	8	
61. Style: conspicuousness	conspicuous	1	
	inconspicuous	9	
62. Style: length	short	3	
	medium	5	
	long	7	
63. Time of beginning of flowering	early	3	
	medium	5	
	late	7	
64. Flowering habit	once flowering	1	
	more than once flowering	2	
	almost continuous flowering	3	

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