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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

**TECHNICAL WORKING PARTY
FOR
AGRICULTURAL CROPS**

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WORKING PAPER ON SUGARCANE

Document prepared by experts from Brazil

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

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1. Plant: stool growth habit					
erect					1
slightly decumbent					3
decumbent					5
2. Plant: adherence of leaf sheath					
slight adherence					3
medium adherence					5
tight adherence					7
3. Plant: tillering					
low					3
medium					5
high					7
4. Internode: length at mid height					
short					3
medium					5
long					7
5. Internode: diameter (as for 7)					
Thin					3
Medium					5
Thick					7

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6. Internode: shape					
(*)					
(+)					
Cylindrical					1
Tumescient					2
bobbin-shaped					3
Conoidal					4
Obconoidal					5
concave-convex					6
7. Internode: cross-section					
Circular					1
Ovate					9
8. Internode: color <u>exposed</u> to sun					
white-green					1
yellow-green					2
yellow-purple					3
green-yellow					4
green-					5
green-purple					6
purple-yellow					7
purple-green					8
purple-					9

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
9. Internode: color					
(*) <u>not exposed to sun</u>					
white-green					1
yellow-green					2
yellow-purple					3
green-yellow					4
green-					5
green-purple					6
purple-yellow					7
purple-green					8
purple-					9
10. Internode: growth crack					
absent or very shallow					1
shallow					3
deep					5
11. Internode: disposition in zigzag alignment					
(*)					
absence of zigzag					1
slightly zigzag					3
strongly zigzag					5

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12. Internode: appearance (rind surface)					
smooth					1
mottled					3
rough (corky)					5
13. Internode: waxiness					
Absent					1
Medium					3
Strong					5
14. Node: width of growth ring					
Narrow					3
Medium					5
Broad					7
15. Node: color of growth ring					
(+)					
white-green					1
Yellow-green					2
Yellow-purple					3
Green-yellow					4
green-					5
green-purple					6
purple-yellow					7
purple-green					8
purple-					9

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16. Node: prominence of growth ring					
Weak					3
Medium					5
Strong					7
17. Node: width of root band					
narrow					3
medium					5
broad					7
18. Node: color of root band					
white-green					1
Yellow-green					2
Yellow-purple					3
Green-yellow					4
green-					5
green-purple					6
purple-yellow					7
purple-green					8
purple-					9
19. Node: aerial rooting					
absent or very slight					1
slight					3
medium					5
strong					7
Very strong					9

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
20. Node: wax ring					
absent or very small					1
small					3
medium					5
Large					7
Very large					9
21. Node: shape of bud					
(*)					
(+)					
tall deltoid					1
ovate					2
narrow ovate					3
pentagonal					4
squarish					5
round					6
ovate					7
rectangular					8
pointed					9
22. Node: bud groove					
Absent or very shallow					1
Shallow					3
Deep					5

23. Node: bud tip in relation to growth ring	
Never surpassing	1
Occasionally surpassing	3
Always surpassing	5

24. Node: position of bud pore	
Apical	1
Sub apical	9

25. Node: pubescence on bud	
Absent	1
Basal	2
Apical	3
Lateral	4

26. Node: bud cushion	
Absent or very narrow	1
Narrow	3
Medium	5
Broad	7
Very broad	9

27. Node: distribution of bud wing	
Apical	1
Median	3
Sub-median	5

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
28 Node: width of bud wing					
Narrow					3
Medium					5
Wide					7
29. Leaf sheath: number of hairs					
Absent or very few					1
Few					3
Medium					5
Many					7
Very many					9
30. Leaf sheath: distribution of hairs					
Only dorsal					3
Only lateral					5
Both lateral and dorsal					7
31. Leaf sheath: hairs					
Absent					1
Deciduous					2
Adherent					3

English	Français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
32. Leaf sheath: shape of ligule					
(+)					
Ribbon					1
Deltoid					2
Crescent					3
Arch					4
Asymmetric vertical					5
asymmetric horizontal					6
33. Leaf sheath: shape of primary auricle					
(+)					
incipient					1
deltoid					2
dentoid					3
unciform					4
calcariform					5
lanceolate					6
falcate					7
34. Leaf sheath: size of primary auricle					
small					3
medium					5
large					7

English	Français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35. Leaf sheath: shape of secondary auricle					
(+)					
incipient					1
deltoid					2
dentoid					3
unciform					4
calcariform					5
lanceolate					6
falcate					7
36. Leaf sheath: size of secondary auricle					
small					3
medium					5
large					7
37. Leaf sheath: shape of dewlap					
(+)					
squarish subcrescent					1
broad double crescent					2
squarish deltoid					3
tall squarish					4
flaring deltoid					5
descending deltoid					6
deltoid					7
ascending squarish					8
ascending ligulate					9

English	Français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
38. Leaf sheath: color (* of dewlap)					
white-green					1
yellow-green					2
yellow-purple					3
green-yellow					4
green-					5
green-purple					6
purple-yellow					7
purple-green					8
purple					9
39. Leaf blade: attitude					
Erect					1
Curved tips					3
Arched					5
Curved at base					7

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
40. Leaf blade: width					
Narrow					3
Medium					5
Broad					7
41 Leaf blade: pubescence on margin					
Absent or very sparse					1
Sparse					3
Dense					5
42. Leaf blade: serration of margin					
Slight					3
Medium					5
strong					7
43. Plant: leaf canopy					
sparse					3
medium					5
dense					7
44. Plant: Green color shade of leaf canopy					
Light					3
Intermediate					5
Dark					7
45. Cane top: length					
(+) Short					3
Medium					5
long					7

English	Français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
46. Cane top: shape of cross-section					
Circular					1
Ovate					9
47. Cane top: color					
White-green					1
Yellow-green					2
Yellow-purple					3
Green-yellow					4
Green					5
Green-purple					6
Purple-yellow					7
Purple-green					8
Purple					9
48. Cane top: waxiness					
Absent or very slight					1
Slight					3
Medium					5
Strong					7
Very strong					9

(+)Characteristic # 45. Cane top length : short (up to 50 cm); medium (from 50 to 65 cm); long (more than 65 cm)