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Simplified standard protocol

Examination office	CREA DC				
Reference of the protocol	National protocol				
Date of preparation of the protocol	01/01/2018				
Date of entry into force of the protocol	01/01/2018				
Botanical taxon:	<i>Cynodon x magennisii</i> Hurcombe (syn. <i>Cynodon dactylon x Cynodon transvaalensis</i> Burtt-Davy)				
Common Name (when known):	Bermudagrass				
Way of propagation of the plants to be examined	Self or cross-pollinated seed propagated □ Vegetatively propagated ⊠				
Number of growing cycles:	 1 □ 2 ⊠ Other □ specify Click or tap here to enter text. 				
List of grouping characteristics	Yes \Box if yes put as annex No \boxtimes				
Minimum number of plants in trial	Vegetative:80	Seed: Click or tap here to enter text.			
Minimum number of plants observed by measuring or counting:	Vegetative:60	Seed: Click or tap here to enter text.			
Give description of when observations should take place	The observations take place from June to October and in the next spring for each cycle of trial.				

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Uniformity:

Cynodon x magennisii Hurcombe (syn. *Cynodon dactylon x Cynodon transvaalensis* Burtt-Davy) is a vegetatively propagated species. Therefore, the assessment of uniformity of varieties belonging to this species will be based on the following criteria:

- 1. For qualitative and pseudo-qualitative characteristics: a population standard of 1% with an acceptance probability of 95% is applied. In case of a sample size of 80, the maximum number of off-types allowed is 2.
- 2. For quantitative characteristics measured on continue scale: the uniformity will be assessed through the calculation of standard deviation of each characteristic. Data obtained are subjected to ANOVA with the definition of DMS with p < 0.05. For quantitative characteristics measured on discontinue scale, , homogeneity is based on the assessment of the frequency distributions. Generally, the homogeneity requirement is satisfied when one modal class or two contiguous classes are clearly present.

Table of characteristics	Present ⊠ Not available □
Literature (when present, please annex to this document)	Present □ Absent ⊠



National n.	Characteristics	Test **	Note		Reference variety
1.	Ploidy	C QL			
	Diploid		2		
	Triploid		3		
	Tetraploid		4		
2.	Leaf sheath: hairness	VS A QN			
	Absent o very weak		1		
	Weak		3		
	Medium		5		
	Strong		7		
	Very strong		9		
3.	Ligule: shape	VS A PQ			
	Rigid		1		
	membranous		2		
	Fringed		3		
4.	Ligule: anthocyanin coloration	VS A QN			
	Absent o very weak		1		
	Weak		3		
	Medium		5		
	Strong		7		
	Very strong		9		
5.	Plant: time of inflorescence emergence	MS A QN			
	Early		3		
	Medium		5		
	Late		7		
6.	Inflorescence: number of spikes	MS A QN			
	Low		3		
	Medium		5		
	Hiah		7		
7.	Inflorescence: grow habit of the spikes	VS A ON			
	Upright		1		
	Horizontal		2		
	Patent		3		
8.	Inflorescence: anthocyanin coloration of spike rachis	VS A QN			
	Absent o very weak		1		
	Weak		3		
	Medium		5		
	Strong		7		
	Very strong		9		
9.	Flag leaf: green color (at flowering time)	VS A QN			
	Light		3		Bayshore

Table of characteristics



National n.	Characteristics Test	Test **	No	te	Reference variety
	Medium		5		
	Dark		7		Everglades, Floraturf
	Dark bluish		9		Ormond
10.	Flag leaf: hairness (at flowering time)	VS A ON			
	Absent o verv weak		1		
	Weak		3		
	Medium		5		
	Strong		7		
	Very strong		9		
11.	Flag leaf: growth habit (at flowering time)	VS A ON			
	Erect		1		
	Semi-erect		3		
	Medium		5		
	Semi-prostrate		7	Π	
	Prostrate		9		
12.	Flag leaf: length (at flowering time)	MS A ON	-		
	Short		3		
	Medium		5		
	Long		7		
13.	Flag leaf: width (at flowering time)	MS A			
	Narrow	QIV	3	П	
	Medium		5		
	Broad		7		
14.	Plant: growth habit of the tuft (at flowering time)	VS A ON			
	Erect		1		
	Semi-erect		3		
	Medium		5		
	Semi-prostrate		7		
	Prostrate		9		Floraturf
15.	Plant: natural height (at flowering time)	MS A ON			
	Very short		1		
	Short		3		
	Medium		5		
	Tall		7		
	Verv tall		9		
16.	Plant: length of longest stem, inflorescence included (at flowering time)	MS A ON			
	Very short		1		
	Short		3		
	Medium		5		
	Tall		7		
	Very tall		9		



National n.	Characteristics	Test **	Note		Reference variety
17.	Plant: shape of the longest stem in the middle part of the upper internode (at flowering time)	VS A PQ			
	Flat		1		
	Oval		2		
	Round		3		
18.	Plant: density of the tuft (at flowering time)	VS A QN			
	Lax		3		
	Medium		5		
	Dense		7		
19.	Main stolon: length (at the end of flowering time)	MS A QN			
	Short		3		
	Medium		5		
	Long		7		
20.	Main stolon: number of nodes	MS A QN			
	Low		3		
	Medium		5		
	High		7		
21.	Main stolon: antocyanin pigmentation	VS A QN			
	Absent o very weak		1		
	Weak		3		
	Medium		5		
	Strong		7		
	Very strong		9		

Legend:

A = observation on single spaced plants in field C = laboratory analysis on plant material (young apex and leaves) collected from spaced plants in field.

VS: visual assessment by observation of individual plants or parts of plant MS: measurement of a number of individual plants or parts of plant

