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TWC/20/3
ORIGINAL: English
DATE: June 7, 2002

UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

Twentieth Session
Mexico City, June 17 to 20, 2002

COYU STANDARDS

document prepared by the Office of the Union with information received from France, Germany, Hungary, Ireland, Poland and United Kingdom

1 At its nineteenth session, held in Prague, from June 2 to 7, 2002, the Technical Working Party on Automation and Computer Programs (TWC) discussed an item "Review of uniformity standards for grasses." The TWC agreed that further information on the uniformity standards used for COYU in different species should be collected. On May 14, 2002, circular U 3216 was issuedrequesting information on the probability levels used, by members of the Union, for COYU in the different species.

2 The following countries replied to the survey: Finland, France, Germany, Hungary, Ireland, New Zealand, Poland, Romania and United Kingdom. The Office of the Union has collated and presented the information received in a summary which forms the Annex to this document (only Finland, France, Germany, New Zealand, Poland, Romania and United Kingdom sent data to be included in the table).

7. The TWC is invited to discuss the information presented in the Annex to the document and consider how this might be used in the development of TGP 10.3.1 COYU Annex: Probability levels.

			FRANCE			GERMANY		UNITED KINGDOM			DENMARK		NEW ZEALAND		FINLAND		ROMANIA	
	English	Latin	COYD	COYU 3 years rejection	COYU 2 years acceptance	COYD	COYU	COYD	COYU	COYU standard in a 2 year test	COYD	COYU	COYD	COYU	COYD	COYU	COYD	COYU
TG/30/6	Bent	Agrostis spp.	Done in NL	Done in NL	Done in NL									0.001	X	X		
TG/46/6	Onion, Shallot	Allium cepa L., Allium ascalonicum L.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/85/6	Leek	Allium porrum L.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/82/3	Celery	Apium graveolens L. var. dulce (Mill.) Pers.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/20/10	Oats	Avena sativa L. & Avena nuda L.	Not used	Not used	Not used						1%							
TG/150/3	Fodder Beet	Beta vulgaris L.	Not used	Not used	Not used	X					1%	x)					X	X
TG/60/6	Beetroot	Beta vulgaris L. var. conditiva Alef.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/106/3	Leaf Beet	Beta vulgaris L. var. vulgaris L.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/36/6	Rape Seed	Brassica napus L. oleifera	Not used	Not used	Not used	X	X				1%	x)			X	X		
TG/89/6	Swede	Brassica napus L. var. napobrassica (L.) Rchb.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/151/3	Sprouting Broccoli, Calabrese	Brassica oleracea L. convar. botrytis (L.) Alef. var. cymosa Duch. including/y compris/ einschließ-lich/ incluyendo Brassica oleracea L. convar botrytis (L.) Alef. var. italica	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/48/6	Cabbage	Brassica oleracea L. convar. Capitata (L.) Alef.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/54/6	Brussels Sprouts	Brassica oleracea L. convar. oleracea var. gemmifera DC.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/65/3	Kohlrabi	Brassica oleracea L. var. gongylodes L.	Not used	Not used	Not used													
TG/90/3	Curly Kale	Brassica oleracea L. var. sabellica L.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/105/3	Chinese Cabbage	Brassica pekinensis L.	Not used	Not used	Not used													
TG/185/1 (proj.)	Turnip Rape	Brassica rapa L var. silvestris (Lam.) Briggs.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/37/10	Turnip, Turnip Rape	Brassica rapa L.emend. Metzg.	Not used	Not used	Not used			2%	Not applied - offtypes used						X	X		
TG/180/3	Rescue Grass, Alaska Brome-Grass	Bromus catharticus Vahl, Bromus sitchensis Trin., Bromus auleticus Trin.	1.00%	0.10%	1.00%									0.001				
TG/31/6	Cocksfoot	Dactylis glomerata L.	1.00%	0.10%	1.00%	X	X				1%	x)		0.001			X	X
TG/49/6	Carrot	Daucus carota L.	Not used	Not used	Not used			5%	Not applied - offtypes used									

			FRANCE			GERMANY		UNITED KINGDOM			DENMARK		NEW ZEALAND		FINLAND		ROMANIA	
	English	Latin	COYD	COYU 3 years rejection	COYU 2 years acceptance	COYD	COYU	COYD	COYU	COYU standard in a 2 year test	COYD	COYU	COYD	COYU	COYD	COYU	COYD	COYU
TG/67/4	Sheep's Fescue (including Hard Fescue), Red Fescue	Festuca ovina L. sensu lato & F. rubra L.	1.00%	0.10%	1.00%	X	X				1%	x)		0.001	X	X	X	X
TG/39/6	Meadow Fescue, Tall Fescue	Festuca pratensis Huds. & Festuca arundinacea Schreb.	1.00%	0.10%	1.00%	X	X				1%	x)		0.001	X	X	X	X
TG/19/10	Barley	Hordeum vulgare L. sensu lato	Not used	Not used	Not used						1%							
TG/57/6	Flax, Linseed	Linum usitatissimum L.	Not used	Not used	Not used													
TG/04/7	Ryegrass	Lolium multiflorum Lam., L. perenne L. & hybrids/ hybrides/ Hybriden/ híbridos	1.00%	0.10%	1.00%	X	X	1%	0.1%	1%	1%	x)		0.001			X	X
TG/193/1 (proj.)	Lotus, Bird's Foot Trefoil	Lotus corniculatus L.	Done in D	Done in D	Done in D									0.001				
TG/06/4	Lucerne	Medicago sativa L., Medicago X varia Martyn	1.00%	0.10%	0.20%												X	X
TG/166/3	Opium/Seed Poppy	Papaver somniferum L.	Not used	Not used	Not used						1%	x)						
TG/34/6	Timothy	Phleum pratense L. & Phleum bertolonii DC.	Done in DK	Done in DK	Done in DK	X	X	1%	0.1%	1%	1%	x)			X	X		
TG/07/9 + Corr.	Peas	Pisum sativum L. sensu lato	Not used	Not used	Not used			2%	Not applied - offtypes used		1%	x)						
TG/33/6	Kentucky Bluegrass	Poa pratensis L.	Not used	Not used	Not used										X	X	X	X
TG/63/6	Black Radish	Raphanus sativus L. var. niger (Mill.) S. Kerner	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/64/6	Radish	Raphanus sativus L. var. sativus Pers.	Not used	Not used	Not used			5%	Not applied - offtypes used									
TG/178/3	Fodder Radish	Rhaphanus sativus L. var. oleiformis Pers.	Not used	Not used	Not used	X	X											
TG/58/6	Rye	Secale cereale L.	Not used	Not used	Not used	X	X											
TG/157/3	Serruria	Serruria Salisb.	Not used	Not used	Not used													
TG/179/3	White Mustard	Sinapis alba L.	?	?	?	X	X				1%	x)						
TG/05/7	Red Clover	Trifolium pratense L.	1.00%	0.10%	1.00%	X	X							0.001	X	X	X	X
TG/38/6	White Clover	Trifolium repens L.	1.00%	0.10%	1.00%			1%	0.1%	1%				0.001	X	X	X	X
TG/03/11 + Corr.	Wheat	Triticum aestivum L.	Not used	Not used	Not used						1%							
TG/08/4 + Corr.	Broad Bean, Field Bean	Vicia faba L.	1.00%	0.10%	1.00%						1%	x)						
	OTHERS																	
	Winter Oilseed Rape	Brassica napa						2%										
No guideline	Parsnip	Pastinaca sativa L.						5%	Not applied - offtypes used									

Denmark DK - x)	In case of quantitative characteristics the variety is declared non uniform in case the stanadrd deviation (SD) exceeds over-year criterion after 2 years with probability level 0.002. In case of a 3 years COY-D examination the uniformity level is examined over 3 years with a probability level of 0.002

Finland FI - x)	For all these species COYD is 1,0%. COYU for acceptance after 2 years is 1,0% and COYU for rejection after 2 or 3 years is 0,1%

Germany
DE

Uniformity

LSD	Year	Probability
LSD3-1	3	0.20%
LSD2-1	2	0.20%
LSD2-2	2	2.00%

Year	Uniform	Non-uniform	one year more
3	<= LSD3-1	> LSD3-1	
2	<= LSD2-1	> LSD2-2	> LSD2-1 and <= LSD2-2

Distinctness

LSD	Year	Probability
LSD3-1	3	1%
LSD2-1	2	1%
LSD2-2	2	5%

Year	Distinct	Non-distinct	one year more
3	>= LSD3-1	< LSD3-1	
2	>= LSD2-1	< LSD2-2	> LSD2-1 and <= LSD2-2

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