



TWV/44/26

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL WORKING PARTY FOR VEGETABLES

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Veliko Tarnovo, Bulgaria, July 5 to 9, 2010

PARTIAL REVISION OF THE TEST GUIDELINES FOR ONION
(TG/46/7)

Document prepared by experts from the Netherlands

Background

1. At the forty-fourth Session of the Technical Committee (TC), held in Geneva from April 7 to 9, 2008 (see document TC/44/13 "Report", paragraph 189), the delegation of the Republic of Korea reported that it had identified an additional state of expression for characteristic 23 in the Test Guidelines for Onion TG/46/7(proj.5). It was agreed that that development should be considered by the Technical Working Party for Vegetables (TWV) at its session in 2008 but that, in the meantime, the Test Guidelines for Onion should be adopted on the basis of document TG/46/7(proj.5). The TC noted that an additional state of expression could be accommodated by a partial revision of the Test Guidelines at a subsequent TC session.
2. Characteristics 23, 24 and 25 of document TG/46/7 are reproduced here:

	English	français	deutsch	español	Example Varieties ⁽¹⁾ Exemples ⁽¹⁾ Beispielssorten ⁽¹⁾ Variedades ejemplo ⁽¹⁾	Note/ Nota
23. (*)	VG	Bulb/Bulblet: base color of dry skin	Bulbe/Bulbille: couleur de fond des écailles sèches	Zwiebel/Bulbille: Grundfarbe der Schale	Bulbo/Bulbillo: color de fondo de la piel seca	
PQ	white	blanches	weiss	blanca	La Reine (O), Pompei (O)	1
	grey	grises	grau	gris	Griselle (S)	2
	green	vertes	grün	verde		3
	yellow	jaunes	gelb	amarilla	Zittauer gelbe (O), Creation (S), Golden Gourmet (S), Topper (S)	4
	brown	brunes	braun	marrón	Valenciana Temprana (O), Delicato(S), Mirage(S), Mikor (S), Pikant (S)	5
	pink	roses	rosa	rosa	Colorada de Figueras (O), Rox (S), Santé (S)	6
	red	rouges	rot	roja	Brunswijker (O), Red Baron (O)	7
24. (*)	VG	<u>Excluding varieties with white dry skin:</u> Bulb/Bulblet: intensity of base color of dry skin	<u>À l'exclusion des variétés à écailles sèches blanches :</u> Bulbe/bulbille : intensité de la couleur de fond des écailles sèches	<u>Ohne Sorten mit weißer Schale:</u> Zwiebel/Bulbillen: Intensität der Grundfarbe der Schale	<u>Excluidas las variedades con piel seca blanca:</u> Bulbo/Bulbillo: intensidad del color de fondo de la piel seca	
QN	light	claire	hell	claro		3
	medium	moyenne	mittel	medio		5
	dark	foncée	dunkel	oscuro		7

	English	français	deutsch	español	Example Varieties ⁽¹⁾ Exemples ⁽¹⁾ Beispielssorten ⁽¹⁾ Variedades ejemplo ⁽¹⁾	Note/ Nota
25. VG (*)	Bulb/Bulblet: hue of color of dry skin (in addition to base color)	Bulbe/Bulbille: teinte de la couleur des écailles sèches (en plus de la couleur de fond)	Zwiebel/Bulbille: Farbton der Schale (zusätzlich zu der Grundfarbe)	Bulbo/Bulbillo: matiz del color de la piel seca (además del color de fondo)		
PQ	absent	absente	fehlend	ausente	Pompei (O)	1
	greyish	grisâtre	gräulich	grisáceo		2
	greenish	verdâtre	grünlich	verdusco		3
	yellowish	jaunâtre	gelblich	amarillento	Topper (S)	4
	brownish	brunâtre	bräunlich	amarronado	Santé (S)	5
	pinkish	rosâtre	rosa	rosáceo	Delicato (S)	6
	reddish	rougeâtre	rötlich	rojizo	Mikor (S), Mirage (S), Pikant (S)	7
	purplish	pourpre	purpurn	purpúreo		8

3. At its forty-second session held in Cracow, Poland, from June 23 to 27, 2008, (see document TWV/42/17 “Report”, paragraph 72), the TWV agreed that Mr. Kees van Ettehoven (Netherlands) should organize an exchange of seed of potential example varieties for a possible new state 8 “purple” in characteristic 23 “Bulb/Bulblet: base color of dry skin” of the Test Guidelines for Onion, document TG/46/7. It was agreed that the Czech Republic, France, Italy, Netherlands, Republic of Korea, Spain and the United Kingdom would consider the varieties ‘Boradongi’, with seed to be supplied by the Republic of Korea, and ‘Karmen’, with seed to be supplied by the Czech Republic, in comparison to the existing example varieties ‘Brunswijke’ and ‘Red Baron’, to be provided by the Netherlands. It was agreed that the Netherlands would present the results of the exchange at the forty-fourth session of the TWV, in 2010.

Result of the Ring Test

4. Although characteristic 24 was not the subject of the ring test, some of the participants observed this characteristic and provided comments. Those results are also included in this summary of results. The results of France and the Republic of Korea were not received at the time of drafting the report. All other participants provided photographs of the varieties to illustrate the results.

Summary of results of ringtest onion 2008/2009 on color				
Variety	Boradongi	Karmen	Brunswijker	Red Baron
Ch. 23: base color of dry skin				
GB	7	7	7	7
IT	7	7	7	7
CZ	7	7	7	7
ES	7	7	7	7
NL	7	7	7	7
KR				
FR				
Ch. 24: intensity of base color of dry skin				
GB				
IT				
CZ	8	7	6	5
ES	6	8	7	8
NL	5	8	7	8
KR				
FR				
Ch. 25: hue of color of dry skin (in addition to base color)				
GB	7	8	7	8
IT	6	7	7	8
CZ	8	8	7	5
ES	6	8	8	8
NL	6	8	1	8
KR				
FR				

5. It can be concluded that the majority of the participants observe ‘Boradongi’ and ‘Karmen’ to have a red (7) base color of dry skin (characteristic 23).

6. However, the hue of the color of dry skin seems to be less obvious. ‘Karmen’ and ‘Red Baron’ have a purple hue (8) according to the majority of participants. ‘Brunswijker’ has a red hue (7) or the hue is absent (1). It can be concluded that these two observations are in fact the same. For ‘Boradongi’ the notes given to the hue of color lead to the conclusion that this is a little less obvious, but the tendency is to describe it as pinkish.

7. When the intensity of base color of dry skin (characteristic 24) notes are taken into account (3 participants), it can be noted that ‘Boradongi’ is observed to have a lighter intensity than the other 3 varieties.

Proposal

8. Following the results and conclusions in paragraphs 5, 6 and 7, it is proposed to add ‘Boradongi’ as an example variety for state 7 “red” in characteristic 23. Furthermore, it is proposed to add example varieties with base color red, to characteristic 25, especially to the

states brownish (5), pinkish (6), reddish (7) and purplish (8). 'Red Baron' and 'Karmen' could be examples for purplish (8), 'Boradongi' for pinkish (6).

9. The proposal above (paragraphs 1 to 8) was circulated to the TWV by means of Circular E-1269 of April 26, 2010. No comments were received.

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