

Technical Committee

TC/58/16

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PARTIAL REVISION OF THE TEST GUIDELINES FOR WALNUT

Document prepared by an expert from the Czech Republic

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1. The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Walnut (document TG/125/7).
2. The Technical Working Party for Fruit Crops (TWF), at its fifty-third session¹, considered a proposal for a partial revision of the Test Guidelines for Walnut (*Juglans regia* L.) on the basis of documents TG/125/7 and TWF/53/9 "Partial revision of the Test Guidelines for Walnut" and proposed the following changes (see document TWF/53/14 "Report", paragraph 106):
 - (a) Addition of a new characteristic "Tree: predominant location of fruit buds" after characteristic 2 "Tree: branching"
 - (b) Change from "ventral view" "to lateral view" in the following characteristics:
 - (i) Char. 10. Nut: shape in ventral view
 - (ii) Char. 11. Nut: shape in lateral view
 - (iii) Char. 13. Nut: shape of base in lateral view
 - (iv) Char. 14. Nut: shape of apex in lateral view
 - (v) Char. 18 Nut: width of pad on suture in lateral view
 - (c) Addition of a new characteristic "Time of vegetative bud burst" after characteristic 27 "Kernel: ease of removal from shell"
3. The proposed changes are presented below in highlight and underline (insertion) and ~~strikethrough~~ (deletion).

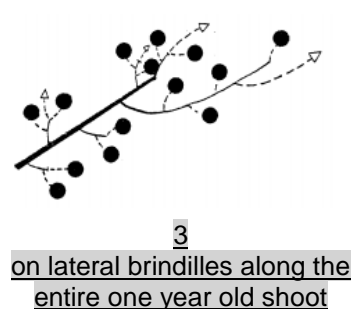
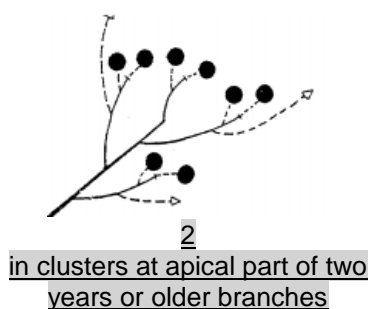
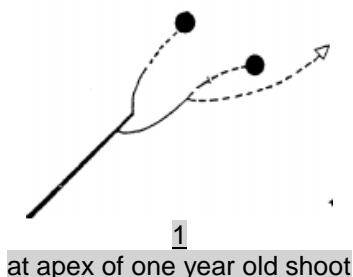
¹ organized by electronic means, from July 11 to 15, 2022

Proposal to add a new characteristic "Tree: predominant location of fruit buds" after characteristic 2 "Tree: branching"

	English		français		deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
2.	QN	VG	(+)	(a)				
	Tree: branching		Arbre : ramification		Baum: Verzweigung	Árbol: ramificación		
	weak		faible		gering	escasa	Chico, Huashan 5, Shangluo 3, Vina, Xisiyu 1	3
	medium		moyenne		mittel	media	Chuanhe 2, Franquette, Hartley, Lübo, Marbot, Qinyou 1, Shangsong 6, Xinzaofeng	5
	strong		forte		stark	abundante	Corne, Daixiang, Jinfeng, Liaoning 1, Liaoning 4, Luguang, Lugu 2, Parisienne, Shaanhe 1, Xiangling, Xifu 2, Xilin 2, Zhonglin 1, Zhonglin 5	7
NEW	PQ	VG	(+)					
	Tree: predominant location of fruit buds		Arbre: localisation prédominante des bourgeons à fruit		Baum: vorwiegende Position der Fruchtknospen	Árbol: localización predominante de los yemas fructíferas		
	<u>at apex of one year old shoot</u>		<u>à l'apex du rameau d'un an</u>		<u>am Apex einjähriger Triebe</u>	<u>en el ápice del tallo de un año</u>	<u>Corne, Franquette, Marbot</u>	<u>1</u>
	<u>in clusters at apical part of two years or older branches</u>		<u>en bouquet sur la partie apicale des rameaux de 2 ans ou plus</u>		<u>in Büscheln am apikalen Teil an zweijährigen oder älteren Zweigen</u>	<u>en racimos en la parte apical de las ramas de 2 o más años</u>	<u>Hartley</u>	<u>2</u>
	<u>on lateral brindilles along the entire one year old shoot</u>		<u>sur les brindilles latérales le long de tout le rameau d'un an</u>		<u>an kleinen Seitenzweigen auf die ganze Länge des einjährigen Zweiges verteilt</u>	<u>en brindillas laterales a lo largo del tallo de 1 año</u>	<u>Chico, Payne, Serr</u>	<u>3</u>

Ad. NEW: Tree: predominant location of fruit buds

The type of fruiting (predominant location of fruit buds) should be observed at the time of full bloom of the female flowers.



Proposal to change from “ventral view” “to lateral view”

Characteristic 10 “Nut: shape in ventral view”

10. (*)	PQ	VG	(+)	(b)				
	Nut: shape in <u>lateral</u> <u>ventral</u> -view		Noix: forme en vue <u>latérale</u> <u>ventrale</u>		Nuß: Form in <u>Seitenansicht</u> <u>Bauchansicht</u>	Nuez: forma en vista <u>lateral</u> <u>ventral</u>		
	triangular		triangulaire		dreieckig	triangular	Hartley	1
	broad ovate		broad ovate		breit eiförmig	oval ancha	Marbot, Payne, Serr	2
	ovate		ovale		eiförmig	oval	Gustine, Jinfeng	3
	oblong		oblongue		breitrund	oblonga	Milotai bötermő, Mumahetao, Sunland	4
	elliptic		elliptique		elliptisch	elíptica	Corne, Daifeng, Franquette, Sorrento, Xilin 2	5
	circular		circulaire		kreisförmig	circular	Jinlong 1, Jinlong 2, Liaoning 4, Milotai 10, Meylannaise, Xiangling, Zhonglin 1, Zhonglin 5,	6
	broad elliptic		elliptique large		breit elliptisch	elíptica ancha	Parisienne, Luguang	7

Characteristic 11 “Nut: shape in lateral view”

11. (*)	PQ	VG	(+)	(b)		
	Nut: shape in <u>ventral</u> lateral view	Noix: forme en vue <u>ventrale</u> latérale	Nuß: Form in <u>Bauchansicht</u> <u>Seitenansicht</u>	Nuez: forma en vista <u>ventral</u> lateral		
	triangular	triangulaire	dreieckig	triangular	Hartley	1
	broad ovate	ovale large	breit eiförmig	oval ancha	Payne, Serr, Xiangling	2
	ovate	ovale	eiförmig	oval	Gustine, Jinfeng	3
	circular	circulaire	kreisförmig	circular	Meylannaise, Milotai 10	4
	broad elliptic	elliptique large	breit elliptisch	elíptica ancha	Franquette	5
	oblate	arrondie aplatie	breitrund	achatada	Yuanbao	6

Characteristic 13 “Nut: shape of base in lateral view”

13.	(*)	PQ	VG	(+)	(b)		
		Nut: shape of base in <u>ventral</u> lateral view	Noix: forme de la base en vue <u>ventrale</u> latérale	Nuß: Form der Basis in <u>Bauchansicht</u> <u>Seitenansicht</u>	Nuez: forma de la base en vista <u>ventral</u> lateral		
		cuneate	cunée	keilförmig	cuneada	Corne, Milotai bőtermő	1
		rounded	arrondie	abgerundet	redondeada	Chico, Franquette, Payne, Serr, Xiangling	2
		truncate	tronquée	gerade	truncada	Parisiennne	3
		emarginate	récurrente	eingekerbt	emarginada	Hartley	4

Characteristic 14 "Nut: shape of apex in lateral view"

14. (*)	PQ	VG	(+)	(b)		
	Nut: shape of apex in <u>ventral lateral</u> view	Noix : forme du sommet en vue <u>ventrale latérale</u>	Nuß: Form der Spitze in <u>Bauchansicht</u> <u>Seitenansicht</u>	Nuez: forma del ápice en <u>ventral lateral</u>		
	obtuse	obtus	stumpf	obtus	Vina	1
	rounded	arrondi	abgerundet	redondeado	Zhonglin 1	2
	truncate	tronqué	gerade	truncado	Milotai bőtermő, Zhonglin 5	3
	emarginate	récurrent	eingekerbt	emarginado	Xiangling	4

Characteristic 18 "Nut: width of pad on suture in lateral view"

18.	QN	VG	(+)	(b)		
	Nut: width of pad on suture in <u>ventral lateral</u> view	Noix : largeur du bourrelet de suture en vue <u>ventrale latérale</u>	Nuß: Breite des Wulstes auf der Naht in <u>Bauchansicht</u> <u>Seitenansicht</u>	Nuez: anchura del almohadillado de la sutura en vista <u>ventral lateral</u>		
	narrow	étroit	schmal	estrecho	Chico, Grandjean, Parisienne, Xiangling	1
	medium	moyen	mittel	medio	Gustine, Hartley	3
	broad	large	breit	ancho	Corne, Marbot, Payne, Serr	5

Proposal to add of a new characteristic "Time of vegetative bud burst" after characteristic 27 "Kernel: ease of removal from shell"

	English		français		deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
27.	QN	VG	(+)	(c)				
	Kernel: ease of removal from shell		Cerneau : facilité d'extraction de la coquille		Kern: Leichtigkeit des Entfernens von der Schale	Semilla: facilidad con que se extrae de la cáscara		
	very easy		très aisée		sehr leicht	muy fácil	Milotai 10, Payne, Pedro, Serr	1
	easy		aisée		leicht	fácil	Franquette, Hartley, Marbot	2
	medium		moyenne		mittel	media	Jinlong 2, Meylannaise	3
	difficult		difficile		schwer	difícil	Corne	4
	very difficult		très difficile		sehr schwer	muy difícil	Aodidaguanmao, Jilong	5
NEW	QN	MG/VG						
	<u>Time of vegetative bud burst</u>		<u>Époque de débourrement végétatif</u>		<u>Zeitpunkt des Aufbruchs der vegetativen Knospe</u>	<u>Época de brotación de las yemas vegetativas</u>		
	<u>very early</u>		<u>très précoce</u>		<u>sehr früh</u>	<u>muy temprana</u>		<u>1</u>
	<u>very early to early</u>		<u>très précoce à précoce</u>		<u>sehr früh bis früh</u>	<u>muy temprana a temprana</u>	<u>Ashley, Chico, Payne</u>	<u>2</u>
	<u>early</u>		<u>précoce</u>		<u>früh</u>	<u>temprana</u>	<u>Chase D 9, Vina</u>	<u>3</u>
	<u>early to medium</u>		<u>précoce à moyenne</u>		<u>früh bis mittel</u>	<u>temprana a media</u>	<u>Adams 10, Hartley, Pedro</u>	<u>4</u>
	<u>medium</u>		<u>moyenne</u>		<u>mittel</u>	<u>media</u>	<u>Chandler, Howard</u>	<u>5</u>
	<u>medium to late</u>		<u>moyenne à tardive</u>		<u>mittel bis spät</u>	<u>media a tardía</u>	<u>Grandjean, Marbot, Mayette</u>	<u>6</u>
	<u>late</u>		<u>tardive</u>		<u>spät</u>	<u>tardía</u>	<u>Franquette, Parisienne</u>	<u>7</u>
	<u>late to very late</u>		<u>tardive à très tardive</u>		<u>spät bis sehr spät</u>	<u>tardía a muy tardía</u>	<u>Ronde de Montignac</u>	<u>8</u>
	<u>very late</u>		<u>très tardive</u>		<u>sehr spät</u>	<u>muy tardía</u>		<u>9</u>

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