

**Technical Working Party for Fruit Crops**

**TWF/50/6**

**Fiftieth Session  
Budapest, Hungary, June 24 to June 28, 2019**

**Original:** English  
**Date:** May 17, 2019

**MATTERS TO BE RESOLVED CONCERNING TEST GUIDELINES PUT FORWARD FOR ADOPTION BY THE TECHNICAL COMMITTEE: MACADAMIA**

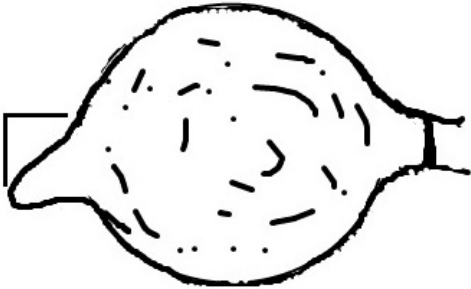
*Document prepared by the Office of the Union*

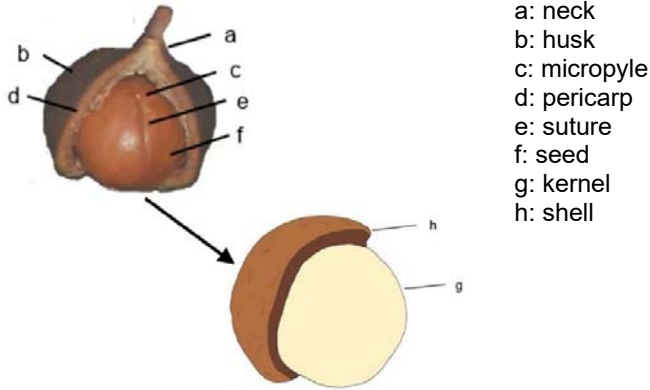
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- The Enlarged Editorial Committee (TC-EDC), at its meeting held in Geneva, on March 26, 2019, considered document [TG/111/4\(proj.5\)](#) and agreed that the technical issues raised on the draft Test Guidelines for Macadamia should be addressed by the Technical Working Party for Fruit Crops (TWF).
- The following table presents all the comments made by the TC-EDC on the draft Test Guidelines for Macadamia, including the technical issues, which are indicated by “#”, with the proposed responses by the Leading Expert, Mr. Nik Hulse (Australia).

1.	- to delete “and their hybrids” - to add GN3 from TGP/7: “Guidance on the use of Test Guidelines for interspecific hybrids that are not explicitly covered by Test Guidelines is provided in document TGP/13 ‘Guidance for New Types and Species’”. <i>Leading Expert: agreed</i>																																	
3.1.2	to be deleted <i>Leading Expert: agreed</i>																																	
4.2.2	delete “varieties” (duplication) <i>Leading Expert: agreed</i>																																	
#T.o.C	- to check coherence of example varieties (e.g. A16 = Hidden Valley A16, A4 = Hidden Valley A4, A38 = Hidden Valley A38, 660 = Keaau) <i>Leading Expert: see table of corrections to example varieties below:</i> <table border="1" data-bbox="418 1293 1341 1684"> <thead> <tr> <th>Replace</th> <th>With</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>A16</td> <td>Hidden Valley A16</td> <td>correct PBR denomination</td> </tr> <tr> <td>A4</td> <td>Hidden Valley A4</td> <td>correct PBR denomination</td> </tr> <tr> <td>A38</td> <td>Hidden Valley A38</td> <td>correct PBR denomination</td> </tr> <tr> <td>246</td> <td>Keauhou (HAES 246)</td> <td></td> </tr> <tr> <td>333</td> <td>Ikaika (HAES 333)</td> <td></td> </tr> <tr> <td>660</td> <td>Keaau (HAES 660)</td> <td></td> </tr> <tr> <td>738</td> <td>HAES 783</td> <td>‘738’ in proj. 5 is a transcription error. It should be ‘783’</td> </tr> <tr> <td>849</td> <td>HAES 849</td> <td></td> </tr> <tr> <td>816</td> <td>HAES 816</td> <td></td> </tr> <tr> <td>H2</td> <td>H2 Hinde</td> <td></td> </tr> </tbody> </table> <i>HAES = Hawaii Agricultural Experiment Station Number in brackets is the HAES reference. When the variety is named the HAES number is often also used in the literature.</i>	Replace	With	Comment	A16	Hidden Valley A16	correct PBR denomination	A4	Hidden Valley A4	correct PBR denomination	A38	Hidden Valley A38	correct PBR denomination	246	Keauhou (HAES 246)		333	Ikaika (HAES 333)		660	Keaau (HAES 660)		738	HAES 783	‘738’ in proj. 5 is a transcription error. It should be ‘783’	849	HAES 849		816	HAES 816		H2	H2 Hinde	
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#Char. 3	- state 2 to read “right-angle” <i>Leading Expert: agreed</i> - to add example variety for state 3 <i>Leading Expert: to add example variety “A203” for state 3</i>																																	

# Indicates technical issues to be resolved

#Char. 5	to add the following example varieties: "MCT1" for state "smooth", "Hidden Valley A16" for state "medium", "MiniMaca" for state "rough" <i>Leading Expert: to be agreed by TWF</i>																																			
Char. 9	- to read "Leaf blade: ..." - to be moved after Characteristic 18																																			
#Char. 12	- to review order of states to have states ovate (1), lanceolate (2), elliptic (3), oblong (4), obovate (5), oblanceolate (6) <i>Leading Expert: agreed</i> - to add (a) <i>Leading Expert: agreed</i> - to add example varieties for states 1 to 3 <i>Leading Expert: I propose deleting ovate and lanceolate as no existing varieties could be identified. Although some literature refers to lanceolate and ovate leaves these do not seem to be present in known varieties.</i> <i>For "oblong" I propose the example variety "HAES 781".</i>																																			
#Char. 13	to add the following example varieties: "H2 Hinde" for state "none", "HAES 800" for state "apiculate", "A268" for state "acuminate", "Hidden Valley A38" for state "mucronate" <i>Leading Expert: to be agreed by TWF</i>																																			
#Chars. 14, 15	to be deleted <i>Leading Expert: agreed. Char. 12 "Leaf blade: shape" inherently includes apex and base so Chars. 14 and 15 are superfluous</i>																																			
Char. 19	- to be moved after Char. "Petiole: length" - to read "Young leaf: color" <i>Leading Expert: agreed</i>																																			
Char. 20	to read "Leaf blade: intensity of green color" and move "on upper side" to explanation in Chapter 8.2 <i>Leading Expert: agreed</i>																																			
Char. 24	to be indicated (b) instead of (a) <i>Leading Expert: agreed</i>																																			
#Char. 25	to delete (b) and add illustration of apical point and possibly explanation <i>Provided by Leading Expert:</i> <i>"The apical point is the protrusion of the husk opposite to the stalk end."</i> 																																			
#Char. 26	to read as follows: <table border="1" data-bbox="418 1486 1425 1801"> <thead> <tr> <th>26.</th> <th>QN</th> <th>VG</th> <th colspan="4">(b)</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>Husk: thickness of pericarp</b></td> <td><b>Cosse : épaisseur du péricarpe</b></td> <td><b>Hülle: Dicke des Perikarps</b></td> <td><b>Vaina: grosor del pericarpio</b></td> <td></td> <td></td> </tr> <tr> <td></td> <td>thin</td> <td>mince</td> <td>dünn</td> <td>delgado</td> <td>Kabere</td> <td>1</td> </tr> <tr> <td></td> <td>medium</td> <td>moyen</td> <td>mittel</td> <td>medio</td> <td>EMB-1, KMB-3, KRG-15</td> <td>3</td> </tr> <tr> <td></td> <td>thick</td> <td>épais</td> <td>dick</td> <td>grueso</td> <td>MRG-20, MRG-25</td> <td>5</td> </tr> </tbody> </table> <i>Leading Expert: agreed</i>	26.	QN	VG	(b)					<b>Husk: thickness of pericarp</b>	<b>Cosse : épaisseur du péricarpe</b>	<b>Hülle: Dicke des Perikarps</b>	<b>Vaina: grosor del pericarpio</b>				thin	mince	dünn	delgado	Kabere	1		medium	moyen	mittel	medio	EMB-1, KMB-3, KRG-15	3		thick	épais	dick	grueso	MRG-20, MRG-25	5
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#Char. 27	to read "Seed: size" <i>Leading Expert: agreed. The reference to "shell" is not clear as it can be confused with the shell characteristics (Chars. 29, 30 and 31). It is better to use "seed". Previously the term "nut" was used however macadamia is not a true nut.</i>
#Char. 28	to read "Seed: shape" <i>Leading Expert: agreed. See comment for Char. 27</i>
#Char. 29	to use a 3 or 5-notes scale to have the mid-point in the middle of the scale <i>Leading Expert: I propose a 5 note scale:</i> smooth (1) slightly rough (2) moderately rough (3) moderately rough to very rough (4) very rough (5) <i>The example varieties do not change and there are no example varieties for note 4.</i>
#Char. 33	- to add example varieties "A16" for state 1 and "A38" for state 2 - to add example varieties for states 3 to 5 <i>Leading Expert: I propose to delete this characteristic</i>
Char. 34	to read "Seed: micropyle" <i>Leading Expert: agreed</i>
#8.1 (b)	- "f" to read "seed" instead of "shell" - to improve current illustration of kernel and add indication of shell to new illustration <i>Provided by Leading Expert</i> 
Ad. 12	to read "relative width" and remove information on ratio in brackets in the grid <i>Leading Expert: agreed</i>
Ad. 34	to read "The micropyle is the white spot on the seed that allows...." <i>Leading Expert: agreed</i>
8.3	to be moved to the beginning of Chapter 8.1 as standalone paragraph <i>Leading Expert: agreed</i>
TQ 5	to add Characteristic 18 <i>Leading Expert: agreed</i>

[End of document]