

**Technical Working Party for Fruit Crops**

**TWF/49/7**

**Forty-Ninth Session  
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**MATTERS TO BE RESOLVED CONCERNING TEST GUIDELINES FOR BLACK WALNUT**

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1. The Enlarged Editorial Committee (TC-EDC), at its meetings held in Geneva, in March 26 and 27, 2018, and October 28, 2018, considered document [TG/JUGLA\(proj.4\)](#) and agreed that the technical issues raised on the draft Test Guidelines for Black Walnut should be addressed by the TWF (see document TC/54/31 "Report", Annex II).
2. The following table presents all the comments made by the TC-EDC on the draft Test Guidelines for Black Walnut (document TG/JUGLA(proj.4)), including the technical issues, with the proposed responses by the Leading Expert, Ms. Victoria Colombo (Spain).

Cover page	- to add " <i>Juglans xintermedia</i> Jacques" as synonym to " <i>Juglans nigra</i> x <i>Juglans regia</i> " - to check whether " <i>J. x paradox</i> " as hybrid binomial for " <i>Juglans hindsii</i> x <i>J. regia</i> " <i>Leading Expert: agreed</i>
2.3	to read "5 trees (one-year-old grafts). The rootstock to be used is the progeny Ng209xRa or any other variety specified by the authority" <i>Leading Expert: agreed</i>
3.3.3	to be moved to 3.1 <i>Leading Expert: agreed</i>
4.2.3	to be deleted <i>Leading Expert: agreed</i>
Char. 4	- state 1 to read "absent or rudimentary" - state 2 to read "fully developed" <i>Leading Expert: agreed</i>
Char. 5	to delete example variety "Eurowalnut B03" <i>Leading Expert: agreed</i>
Char. 11	to read "Catkin: presence of <del>fully developed catkins</del> " <i>Leading Expert: to read "Catkin: presence at D<sub>m</sub> stage"</i>
Char. 13	to check wording and use same approach as in Walnut (lateral/ventral view) <i>Leading Expert: yes, it should read "ventral view" as in the Test Guidelines for Walnut</i>
Char. 15	to read "Nut: shape of apex <del>perpendicular to suture</del> " (see char. 14 and 8.2) <i>Leading Expert: agreed</i>
Ad. 2	to delete last sentence (covered by growth stage 2) <i>Leading Expert: agreed</i>
Ad. 3	to read "... High            17 < number of leaflets ≤ 21 Very high    21 > number of leaflets" <i>Leading Expert: agreed</i>
Ad. 6	to read "Female flower is considered conspicuous <u>if flowers are present</u> at stage D <sub>f</sub> (see 8.3). Female flower is considered non conspicuous when the flowers <u>appear only</u> <del>are observed</del> when the leaves are fully developed." <i>Leading Expert: agreed</i>

Ad. 11	<p>to read "Observations on the presence of fully developed catkins should be made between stages B<sub>m</sub> and D<sub>m</sub> (see 8.3)."</p> <p><i>Leading Expert: to keep it as it is</i></p> <p><i>TC-EDC/Oct18: What means fully developed, interaction between fully developed and growth stages/ phenological stages?</i></p> <p><i>Leading Expert: Fully developed is when polinic sacs are full. Sentence to read "Observations on the presence of fully developed catkins should be never before D<sub>m</sub> (see 8.3)."</i></p>
Ad. 12	<p>- to check whether to be observed at stage C<sub>m</sub> (B<sub>m</sub> too early?)</p> <p>- to check whether Chars 11 and 12 can be observed at the same time</p> <p><i>Leading Expert: It is not that it has to be observed at stage B<sub>m</sub> or C<sub>m</sub>, it is in the interval from B<sub>m</sub> to C<sub>m</sub>. Ad 11: The expert explains that catkins sometimes can be seen badly developed at B<sub>m</sub>, but some other times it is necessary to wait until C<sub>m</sub> or even D<sub>m</sub> to observe them (when this happens, they usually fall very early). So then, the proposal for Ad. 12 is: "The shape of catkins should be observed between B<sub>m</sub> and C<sub>m</sub> stages."</i></p>
Ad. 13	<p>relative width scale is upside down (invert "narrow" and "broad")</p> <p><i>Leading Expert: agreed</i></p>
Ad. 15	<p>to add "Observation should be made facing the suture."</p> <p><i>Leading Expert: agreed</i></p>
Ads. 16, 17, 18	<p>to read "Time of ... is reached when ..."</p> <p><i>Leading Expert: agreed</i></p>
Ad. 19	<p>to be deleted</p> <p><i>Leading Expert: agreed</i></p>
Ad. 20	<p>to read "Time of ... is reached when ..."</p> <p><i>Leading Expert: agreed</i></p>
8.3	<p>clarification needed on growth stages (age of trees for observation, does not correspond to growth stages) (to check whether they are needed, information covered in 3.1.3?)</p> <p><i>Leading Expert: Point 3.1.3 only refers to the fruit and the expert considers that it is necessary to indicate when to begin to look at a characteristic to be representative. The age of flowering is very variable between varieties so, the expert consider it is good to indicate it.</i></p> <p><i>But as it is difficult to homogenize the intervals, if needed, Point 8.3 could be removed.</i></p> <p><i>In the English version of the guidelines should say only "Phenological stages".</i></p> <p><i>Point 8.3.3.in the English "and" should be said "or".</i></p> <p><i>TC-EDC/Oct18: to check whether growth stages (1), (2), (3) to be moved to Chapter 8.1 (no growth stages, time of observation) and to clarify when observations are made</i></p> <p><i>Leading Expert:</i></p> <ul style="list-style-type: none"> <li>- to include in point 8.1 (c) "always in full flowering of the second year, both masculine and feminin", this way it could be reduced to 1 and 2.</li> <li>- 8.1 (d) should also include that the minimum number of fruits to be onserverd is 25 per tree, per year.</li> </ul>

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