

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS  
Geneva

## TECHNICAL WORKING PARTY FOR FRUIT CROPS

Forty-Fourth Session  
Napier, New Zealand, April 29 to May 3, 2013

## ADDENDUM TO TGP DOCUMENTS

*Document prepared by the Office of the Union*

1. The purpose of this document is to provide comments on TGP documents made by the Technical Working Party for Ornamental Plants and Forest Trees (TWO), at its forty-sixth session, held in Melbourne, Australia, from April 22 to 26, 2013.

2. The structure of this document is as follows:

<i>TGP documents</i> .....	1
<i>TGP/7: Development of Test Guidelines</i> .....	1
<i>TGP/8: Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability</i> ...	3
<i>TGP/14: Glossary of Terms Used in UPOV Documents</i> .....	5

*TGP documents*

3. The TWO considered developments concerning TGP documents on the basis of document TWO/46/3 Rev. (see document TWO/46/29 "Report", paragraph 12).

*TGP/7: Development of Test Guidelines*

- (i) *Revision of document TGP/7: Additional Standard Wording for Growing Cycle for Tropical Species*

4. The TWO considered document TWO/46/9, which was presented by an expert from New Zealand (see document TWO/46/29 "Report", paragraphs 19 to 21).

5. The TWO considered the following proposed Additional Standard Wording (ASW) for growing cycle of tropical species:

*New (after (b)): Tropical fruit species*

The growing cycle is considered to be the period ranging from the beginning of flowering of an individual flower or inflorescence, through active flowering and fruit development and concluding with fruit harvest.

6. The TWO noted that the proposed ASW provided guidance for fruit species and agreed that it was a matter for consideration by the TWF. It noted that the drafter from New Zealand would propose to the TWF that the title of the ASW should be "Fruit species with indeterminate growth".

*(ii) Revision of document TGP/7: Source of Propagating Material*

7. The TWO considered the proposed guidance on source of propagating material, as presented in Section IV "Guidance for drafting Test Guidelines" of the Annex to document TWO/46/10. The proposed guidance was presented by an expert from the European Union (see document TWO/46/29 "Report", paragraphs 22 and 23).

8. The TWO agreed that it would not be appropriate to seek to insert additional standard wording on source of propagating material in the Technical Questionnaire, Section 9.2. However, the TWO noted that the document provided useful information on the effects of the source of propagating material and requested the preparation of a condensed version as a source of general guidance for drafters of Test Guidelines, for inclusion in document TGP/7.

*(iii) Revision of document TGP/7: Indication of Growth Stage in Test Guidelines*

9. The TWO considered document TWO/46/11 (see document TWO/46/29 "Report", paragraphs 24 to 26).

10. The TWO noted that ornamental plants are usually observed at the time of full flowering and the indication of growth stages in Test Guidelines should remain optional and to be used where appropriate.

11. The TWO agreed that the Additional Standard Wording 4 (ASW 4) should be amended in order to reflect the current practice in UPOV Test Guidelines to indicate growth states using letters, numbers and combinations of letters and numbers, to read as follows:

"The optimum stage of development for the assessment of each characteristic is indicated by a number reference in the second column of the Table of Characteristics. The stages of development denoted by each number reference are described in Chapter 8 [...]."

*(iv) Revision of document TGP/7: Providing Illustrations of Color in Test Guidelines*

12. The TWO considered document TWO/46/12 (see document TWO/46/29 "Report", paragraphs 27 and 28).

13. The TWO agreed to propose the following guidance be included in a future revision of document TGP/7:

~~"Particular caution is needed when considering the~~ It is generally not appropriate to use of illustrations of color in the Test Guidelines because the color in photographs can be affected by the technology of the camera, and the facilities used to display the photograph (including printer, computer and screen, etc.) and lighting conditions under which the photograph is taken. Furthermore, the expression of color may vary according to the environment in which the variety is grown. For example, a photograph of a "light weak intensity" of anthocyanin coloration provided by the Leading Expert in one UPOV member may not represent a "weak light intensity" of anthocyanin coloration in another UPOV member."

*(v) Revision of document TGP/7: Presence of Leading Expert at Technical Working Party Sessions*

14. The TWO considered document TWO/46/13 and agreed with the proposed guidance on presence of leading expert at technical working party session, for inclusion in a future revision of document TGP/7, section 2.2.5.3, as set out below (see document TWO/46/29 "Report", paragraph 29):

"2.2.5.3 Requirements for draft Test Guidelines to be considered by the Technical Working Parties

"Unless otherwise agreed at the TWP session, or thereafter by the TWP Chairperson, the timetable for the consideration of draft Test Guidelines by the Technical Working Parties is as follows:

Action	Latest date before the TWP session
Circulation of Subgroup draft by Leading Expert:	14 weeks
Comments to be received from Subgroup:	10 weeks
Sending of draft to the Office by the Leading Expert:	6 weeks
Posting of draft on the website by the Office:	4 weeks

“In cases where *either* of the deadlines for circulation of the Subgroup draft or for the sending of the draft to the Office by the Leading Expert is not met, the Test Guidelines would be withdrawn from the TWP agenda and the Office would inform the TWP accordingly at the earliest opportunity (i.e. not later than 4 weeks before the TWP session). In those cases where draft Test Guidelines are withdrawn from the TWP agenda because of failure by the Leading Expert to meet the relevant dates, it would be possible for specific matters concerning those Test Guidelines to be discussed at the TWP session. However, to consider specific matters it would be necessary for a document to be provided to the Office at least 6 weeks before the TWP session.”

In order to be considered by a Technical Working Party, the Leading Expert of the draft Test Guidelines should be present at the session, unless a suitable alternative expert can be arranged to act as the Leading Expert sufficiently in advance of the session, or unless the Leading Expert is able to participate by electronic means.”

*TGP/8: Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability*

(i) *Revision of document TGP/8: Part I: DUS Trial Design and Data Analysis, New Section: Minimizing the Variation due to Different Observers*

15. The TWO considered document TWO/46/14 (see document TWO/46/29 “Report”, paragraphs 30 to 32).

16. The TWO proposed that experts from Australia, Germany, the Netherlands and the United Kingdom help to develop further guidance on the proposed text to be included in TGP/8 part I: DUS Trial and Design and Data Analysis, New Section: Minimizing the Variation due to Different Observers, in a future revision of document TGP/8, with regard to guidance on PQ and QN/MG characteristics.

17. The TWO noted, however, the importance of the Test Guidelines in providing clear guidance for DUS examiners and to ensure consistency of observations.

(ii) *Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination, Section 3: Method of Calculation of COYU*

18. The TWO considered document TWO/46/15 (see document TWO/46/29 “Report”, paragraphs 33 and 34).

19. The TWO noted that:

(a) the TC had requested the TWC to continue its work with the aim of developing recommendations to the TC concerning the proposals to address the bias in the present method of calculation of COYU, and that

(b) a document on possible proposals for improvements to COYU would be prepared for the TWC session in 2013.

(iii) *Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination, New Section 10: Minimum Number of Comparable Varieties for the Relative Variance Method*

20. The TWO considered document TWO/46/16, which was presented by an expert from Australia (see document TWO/46/29 “Report”, paragraphs 35 and 36).

21. The TWO noted the comments made by the TWPs at their sessions in 2012 and the TC, at its forty-ninth session in 2013. The TWO agreed with the proposed amendments for revision of Section 10 of

document TGP/8 and the new proposed guidance in paragraphs 10.2.2 and 10.6 to specify the minimum number of comparable varieties in the relative variance method.

*(iv) Revision of document TGP/8: Part II: Selected Techniques used in DUS Examination, New Section: Examining DUS in Bulk Samples*

22. The TWO considered document TWO/46/17 (see document TWO/46/29 "Report", paragraphs 37 to 39).

23. The TWO noted that the TC had agreed to replace the proposed text for new Section 11 "Examining DUS in Bulk Samples" in the Annex to document TC/49/28 with guidance on the use of characteristics examined on the basis of bulk samples, in order to ensure that the characteristics fulfill the basic requirements for a characteristic.

24. The TWO agreed that Leading Experts of Test Guidelines could be requested to provide data from different years to demonstrate that the expression of the characteristic is "sufficiently consistent and repeatable in a particular environment".

*(v) Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination", New Section: Data Processing for the Assessment of Distinctness and for Producing Variety Descriptions*

25. The TWO considered document TWO/46/18 (see document TWO/46/29 "Report", paragraphs 40 to 42).

26. The TWO considered the developments on a practical exercise with a common data set to produce variety descriptions of self-pollinated and/or vegetatively propagated varieties, in order to determine the aspects in common and divergence between methods, with a view to developing general guidance.

27. The TWO agreed with the practical exercise and requested the development of guidance on data processing for the assessment of distinctness and for producing variety descriptions of vegetatively propagated crops.

*(vi) Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination, New Section: Guidance of Data Analysis for Blind Randomized Trials*

28. The TWO considered document TWO/46/19 (see document TWO/46/29 "Report", paragraphs 43 to 46).

29. The TWO noted the comments made by the TWPs at their sessions in 2012 and the TC-EDC in 2013, and considered the draft new Section on "Guidance for Data Analysis for Blind Randomized Trials".

30. The TWO noted that the draft new section related to the DUS trial design and suggested to change the title to "Draft guidance for blind randomized trials conducted by the authority or a third party".

31. The TWO suggested that the introduction to be provided should be generic and requested the addition of an example for ornamental plants.

*(vii) Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination, New Section: Examining characteristics using image analysis*

32. The TWO considered document TWO/46/20 (see document TWO/46/29 "Report", paragraphs 47 to 50).

33. The TWO noted the information on software and hardware used for image analysis, as set out in Annex I to document TWO/46/20.

34. The TWO noted that the AIM software for image analysis would be considered in document TWO/46/7 “Exchangeable software”.

35. The TWO noted that a draft of the new section “Examining Characteristics Using Image Analysis” for document TGP/8 would be presented to the TWC in 2013.

*(viii) Revision of document TGP/8: Part II: Selected Techniques Used in DUS Examination, New Section: Statistical methods for visually observed characteristics*

36. The TWO considered document TWO/46/23 (see document TWO/46/29 “Report”, paragraphs 51 and 52).

37. The TWO noted that:

(a) the TC had agreed that it would not be appropriate to continue the development of a section on “Statistical Methods for Visually Observed Characteristics”, unless new guidance was provided beyond the methods already provided in document TGP/8; and

(b) requested the TWC to clarify if it proposed to modify an existing method or provide a new additional method.

*TGP/14: Glossary of Terms Used in UPOV Documents*

*(i) Revision of document TGP/14: Section 2: Botanical Terms, Subsection 3: Color, Definition of “Dot”*

38. The TWO considered document TWO/46/21 (see document TWO/46/29 “Report”, paragraphs 53 and 54).

39. The TWO agreed that “dot” was a small “spot” and that only the term “spot” should be used in the future, according to the guidance provided in document TGP/14: Section 2: Botanical Terms, Subsection 3: Color. The TWO proposed that the Test Guidelines should be revised whenever the use of these terms could cause confusion.

[End of document]