

Technical Working Party for Fruit Crops

TWF/48/6

Forty-Eighth Session

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COMMENTS ON TGP DOCUMENTS

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1. The purpose of this document is to report the comments on TGP documents made by the Technical Working Party for Agricultural Crops (TWA), at its forty-sixth session, held in Hannover, Germany, from June 19 to 23, 2017, the Technical Working Party for Vegetables (TWV), at its fifty-first session, held in Roelofarendsveen, Netherlands, from July 3 to 7, 2017, and the Technical Working Party for Ornamental Plants and Forest Trees (TWO), at its fiftieth session held in Victoria, British Columbia, Canada, from September 11 to 15, 2017.

2. The structure of this document is as follows:

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3. The TWA, the TWV and the TWO considered TGP documents on the basis of documents TWP/1/1 Rev., TWP/1/9, TWP/1/11, TWP/1/12, TWP/1/13, TWP/1/15, TWP/1/17 Rev. and TWP/1/18. The TWV and the TWO also considered documents TWV/51/15 and TWO/50/11 “Comments on TGP documents, respectively (see documents [TWA/46/10](#) “Report”, paragraph 15, [TWV/51/16](#) “Report”, paragraph 18 and TWO/50/14 “Report”, paragraph 16).

TGP/5: Section 1: Model Administrative Agreement for International Cooperation in the Testing of Varieties

Confidentiality of molecular information

4. The TWA, the TWV and the TWO considered document [TWP/1/9](#).

5. The TWA, the TWV and the TWO considered the proposed guidance on confidentiality of molecular information for inclusion in document TGP/5, Section 1, as set out in document TWP/1/9, paragraph 4. The TWA, the TWV and the TWO agreed that clarification was needed on whether the term “material” would also include “DNA material” and agreed to propose that Article 4(2) read as follows:

“(2) Except with the specific authorization of the Receiving Authority and the applicant, the Executing Authority shall refrain from passing on to a third person any material, including DNA, or molecular information of the varieties for which testing has been requested.”

6. The TWV recalled the decision by the TC at its fifty-third session (see document TC/53/31 “Report” paragraphs 180 and 182), and invited the TC to clarify its view in relation to inviting members to make molecular information available for inclusion in publicly available databases (e.g. GENIE) and, on the other hand, requesting to review existing guidance to increase the confidentiality of molecular information.

TGP/7: Development of Test Guidelines

Duration of DUS tests in the fruit sector

7. The TWA, the TWV and the TWO considered document [TWP/1/11](#).

8. The TWA, the TWV and the TWO considered the proposed revision of document TGP/7 to clarify the duration of DUS testing, as set out in document TWP/1/11, paragraph 11. The TWO agreed with the TWA and the TWV that the term “normally” was preferred and should be used throughout the guidance in ASW 2.

9. The TWV agreed that the reference to negative conclusion should be deleted as it remains exceptional cases, and that in most of the cases the testing of a variety may be terminated with a positive conclusion on DUS. In that respect, the TWO agreed with the TWA and the TWV that the current standard wording in Test Guidelines allowed the examination of a candidate variety to be terminated earlier in case the differences observed between varieties were so clear that more than one growing cycle was not necessary.

10. The TWV agreed with the TWA that it should be possible to terminate earlier the examination of a candidate variety (e.g. during the establishment period of the trial) and agreed to propose that particular situations should be addressed as Guidance Note in document TGP/7 instead of amending the standard wording, clarifying that it is the decision of the Authorities to decide whether or not to terminate earlier the examination.

11. The TWO agreed that it should also be possible to terminate the examination of a candidate variety before the normal duration for reasons other than having achieved a conclusion on DUS examination, such as when there were problems with the plant material submitted.

12. The TWO agreed that the term “growing cycle” was not precise for explaining the duration of DUS examination as it referred primarily to the life cycle of a crop. The TWO agreed to consider the possibility of replacing the term “growing cycle” by “testing cycle” in ASW 2(a) and (b) to clarify that the duration of DUS examination was related to the period of testing of a variety, regardless of the number of life cycles the crop would have completed during DUS examination.

13. The TWO welcomed the offer by an expert from the European Union to propose definitions for growing cycle and testing cycle for ornamental plants to be presented at its next session.

Characteristics which only apply to certain varieties

14. The TWA, the TWV and the TWO considered document [TWP/1/12](#).

15. The TWO noted that the scope of some Test Guidelines for ornamental plants covered an entire plant genus and some characteristics would only be applicable to particular groups of crops. The TWV and the TWO agreed with the TWA on the possibility to exclude varieties from observation on the basis of a preceding pseudo-qualitative or quantitative characteristic under particular circumstances, such as the impossibility to describe an organ that was not present in a variety or when variation existed only within a particular group of a crop.

16. The TWV recalled the importance to refer to a table of grouping within a species, such as in the Test Guidelines for lettuce (see document TG/13/11(proj.5), chapter 5.3). The TWO agreed with the TWV that the approach of excluding varieties from observation on the basis of preceding PQ or QN characteristics should be used carefully and based on experience and discussions during the drafting of Test Guidelines, in order to be fully aware on the consequences.

TGP/10: Examining uniformity

Assessing Uniformity by Off-Types on Basis of More than One Growing Cycle or on the Basis of Sub-Samples

17. The TWA, the TWV and the TWO considered document [TWP/1/17 Rev.](#)

18. The TWA and the TWV considered the draft guidance presented in Annexes I and II of document TWP/1/17 Rev. as amended by the TWPs, at their sessions in 2016, for inclusion in a future revision of document TGP/10 “Examining Uniformity”.

19. The TWA and the TWV agreed to propose that the new sentence introduced in the draft guidance, Annex I, should be amended to read as follows:

“It is important to identify whether differences in number of off-types between growing cycles were due to ~~biological~~ environmental reasons or sampling variation.”

20. The TWA agreed to propose a more general criteria for a variety to be rejected after a single growing cycle for inclusion in the different approaches of the draft guidance to read as follows:

“If in the first growing cycle a variety exceeds a predefined upper limit of off-types the variety may be rejected after a single growing cycle.”

21. The TWA agreed that the upper limit of off-types could be defined by each authority according to the approaches used for the assessment of uniformity by off-types.

22. The TWA noted that guidance in document TGP/8/2: Part II: Section 8: “The method of uniformity assessment on the basis of off-types” would be revised in order to reflect the practice within members of the Union on the use of methods for more than one single test (year), in conjunction with the revision of document TGP/10 on “Assessing Uniformity by Off-Types on the Basis of More than One Growing Cycle or on the Basis of Sub-Samples”.

23. The TWA received the following presentations comparing the possible effect on uniformity decisions between Approaches 1 and 3 in document TWP/1/17 Rev., as reproduced in the Annexes to documents [TWA/46/4](#) and [TWA/46/4 Add.](#) (in alphabetical order):

(a)	“Effect of different approaches for the assessment of uniformity by off-types – examples for Barley”, prepared by an expert from Germany
(b)	“Assessing Uniformity by Off-types on the basis of more than one Growing Cycle: examples from the Netherlands”, prepared by an expert from the Netherlands
(c)	“Assessing uniformity by off-types on the basis of more than one growing cycle in wheat” prepared by an expert from Poland
(d)	“The United Kingdom’s Experience with Winter Oilseed Rape (WOSR)” prepared by an expert from the United Kingdom

24. The TWA noted the approaches used for the assessment of uniformity by off-types in Germany and Poland for cereals, in the Netherlands for tomato and in the United Kingdom for oilseed rape.

25. The TWV agreed to propose a further clarification to the new sentence introduced in the draft guidance, Annex I, for all approaches to read as follows:

“It is important to identify whether differences in number of off-types between growing cycles were not due to ~~biological~~ environmental reasons or sampling variation.”

26. The TWV agreed to propose to modify the sentence for Approach 1 as follows:

“Furthermore, ~~on the basis of a clear lack of uniformity, a~~ if a variety clearly exceeds in the first growing cycle the allowed number of off-types in two growing cycles, the variety may be rejected after a single growing cycle.

27. The TWV agreed to recall that in the vegetable sector, Approach 1 was the most commonly used.
28. The TWV noted that a proposal for revision of guidance in document TGP/8/2: Part II: Section 8: "The method of uniformity assessment on the basis of off-types", would be considered in document TWP/1/1 Rev. "TGP Documents".
29. The TWV received a presentation on "Assessing Uniformity by Off-types on the Basis of More than One Growing Cycle: examples from NL" by an expert from the Netherlands. A copy of the presentation was provided in the Annex to document [TWV/51/5](#).

TGP/14: Glossary of Terms Used in UPOV Documents

Illustrations for shape and ratio characteristics

30. The TWA and the TWV considered document [TWP/1/18](#).
31. The TWA and the TWV agreed that no additional examples were available at this time for improving the guidance on providing illustrations for shape and ratio characteristics in document TGP/14.
32. The TWO agreed that guidance on providing illustrations for shape and ratio characteristics in document TGP/14 should be amended to clarify that the base of a structure was at the point of attachment.
33. The TWO noted the examples of illustrations for shape and ratio characteristics provided in document TGP/14 and agreed that no further examples were necessary to improve the guidance. The TWO noted that characteristics with very few states of expression could be displayed in a single row as in the first two examples in document TWP/1/18, provided that the basis for the different states of expression was clear to readers.

UPOV Color Groups

34. The TWO considered documents [TWO/50/4](#), TWO/50/4 Add. and TWO/50/5.
35. The TWO agreed to propose the revision of the list of UPOV Color Groups in document TGP/14 "Glossary of Terms used in UPOV Documents" on the basis of the color groups set out in document TWO/50/4, paragraph 8, subject to confirmation of color groups 69 to 71 (light, medium and dark grey) by the expert from Germany.
36. The TWO noted that editorial changes would be required in document TGP/14 to reflect the introduction of the revised list of UPOV Color Groups.
37. The TWO agreed that document TGP/14 should be revised to include the following guidance on the factors to be considered for creating color groups for grouping of varieties and organizing the growing trial:

"Factors to be considered for creating color groups

"When using the color of a plant part for grouping of varieties, a very clear and large difference between the colors is required. However, the color groups are also used in the Technical Questionnaire for applicants who have no RHS Colour Chart. Therefore the groups need to be small enough so that applicants are able to give an adequate state of expression for the characteristic.

"The following factors have to be considered when creating color groups for grouping:

- (a) range of variation of the color of the plant part within the species
- (b) difference between colors for varieties to be considered clearly distinguishable
- (c) possible influence of the environment on the color of the plant part.

"Depending on the species and the plant part observed the color groups for grouping can be different. Examples for color groups in grouping characteristics of different Test Guidelines are listed in the following table.

Test Guideline	Campanula (TG/305/1)	Hosta (TG/299/1)	Cordyline (TG/317/1)	Osteospermum (TG/175/5)
Characteristic	Corolla: main color of inner side	Leaf blade: color covering the largest surface area	Leaf: secondary color	Ray floret: main color of middle part
Color groups for grouping	white pink purple red purple blue	white light yellow medium yellow dark yellow light green medium green dark green blue green	white yellow green red purple brown blackish	white yellow orange pink red purple violet

“It should be emphasized that not all groups are necessarily clearly distinct from each other when information is used that does not come from the same source (same location, same observer) and cannot always be used to exclude varieties from the trial. E.g. in Cordyline for the characteristic ‘Leaf: secondary color’ it might not be possible to clearly distinguish between ‘brown’ and ‘blackish’ when looking at photos on the internet or in a plant catalogue.”

[End of document]