

Enlarged Editorial Committee**TC-EDC/Mar18/11****Geneva, March 26 and 27, 2018****Original:** English
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REPORT

Adopted by correspondence by the Enlarged Editorial Committee

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Opening of the session

1. The Enlarged Editorial Committee (TC-EDC) held its March/April meeting in Geneva on March 26 and 27, 2018. The list of participants is reproduced in Annex I to this report.
2. The Office of the Union recalled that the Council, at its thirty-fourth extraordinary session, held in Geneva on April 6, 2017, had decided to organize a single set of sessions from 2018, in the period of October/November (see document C(Extr.)/34/6 "Report on the decisions", paragraphs 12 to 14). From 2018, the meetings of the TC would take place on October/November instead of March/April. The TC-EDC would meet twice a year; once in the period of March/April and once in conjunction with the TC sessions later in the year.
3. Based on the recommendation of the Consultative Committee, the Council decided to adopt the proposals of the TC, at its fifty-third session, to use contingency measures in the transitional period until the fifty-fourth session of the TC, to be held in October 2018; for TGP documents, the TC-EDC would consolidate comments made by the TWPs at their sessions in 2017 and, in the absence of consensus between the TWPs, to formulate proposals for further consideration by the TWPs at their sessions in 2018 (see document C(Extr.)/34/6 "Report on the decisions", paragraphs 12 to 14).

TGP documents

4. The TC-EDC considered document TC-EDC/Mar18/10 Rev. "TGP documents".

TGP/5: Section 1: "Model administrative agreement for international cooperation in the testing of varieties"

5. The TC-EDC noted the guidance proposed by the TWPs, at their sessions in 2017, on confidentiality of molecular information, for inclusion in document TGP/5, Section 1, as set out in paragraph 26 of document TC-EDC/Mar18/10 Rev..

TGP/7: Development of Test Guidelines

Procedure for the adoption of draft Test Guidelines

6. The TC-EDC noted the procedure for adoption of Test Guidelines by correspondence in accordance with the decision by the Council, at its thirty-fourth extraordinary session.
7. The TC-EDC noted that further amendments to document TGP/7 Section 2.2.8 "Adoption of Draft Test Guidelines by the Technical Committee" would be required for the procedure for the adoption of Test Guidelines by correspondence;
8. The TC-EDC agreed to recommend that the procedure for adoption of Test Guidelines by correspondence be implemented as follows:

- The draft Test Guidelines would be circulated to TC for adoption by correspondence along with the recommendations by the TC-EDC;
- The draft Test Guidelines would be considered as adopted if no comments were received within six weeks;
- In case any comments were received, the draft Test Guidelines would be referred to the relevant TWP to address those comments.

9. The TC-EDC agreed to propose that for Test Guidelines to be considered at the March/April meeting, they would need to be submitted by the Technical Working Parties at least 14 weeks prior to the TC-EDC meeting.

10. The TC-EDC agreed that three potential outcomes could be expected from Test Guidelines considered at the March/April meeting:

- (a) no changes required to the Test Guidelines or strictly editorial changes on which recommendations were agreed by the TC-EDC;
- (b) editorial clarifications required;
- (c) technical issues to be resolved.

11. The TC-EDC agreed that in cases where no changes were required to the Test Guidelines or strictly editorial changes on which recommendations were agreed by the TC-EDC, the Test Guidelines could be circulated for adoption by correspondence.

12. The TC-EDC agreed to propose the following procedure for Test Guidelines when editorial clarifications were required:

- request for clarifications to be transmitted to the Leading Expert
- clarifications to be provided within four weeks
- if clarifications agreed by the TC-EDC, the Test Guidelines would be recommended for adoption at the TC-EDC meeting in conjunction with the TC session in October/November
- the Test Guidelines would be adopted at the TC session

13. The TC-EDC agreed to propose the following procedure for Test Guidelines with technical issues to be resolved:

- issues to be transmitted to the Leading Expert
- technical issues to be addressed at the respective Technical Working Party by means of a TWP document prepared by the Leading Expert at least four weeks before TWP session (new draft Test Guidelines should not be prepared)
- resolution of issues to be provided to TC-EDC at least seven weeks before the TC session
- if agreed by the TC-EDC, the Test Guidelines would be recommended for adoption at the TC-EDC meeting in conjunction with the TC session in October/November
- Test Guidelines adopted at the TC session

Duration of DUS tests

14. The TC-EDC considered document TC-EDC/Mar18/12 "Duration of DUS tests".

15. The TC-EDC considered the proposal to amend document TGP/7 to clarify that it was the decision of the Authorities whether or not to terminate DUS examination before the normal period. The TC-EDC noted that the proposed text for a guidance note (GN8) should be featured as standard or additional wording in Test Guidelines in order to be seen by readers of Test Guidelines.

16. The TC-EDC noted the possible effect of the number of growing cycles on the quality of variety descriptions and agreed to invite the TWPs, at their sessions in 2018, to consider the proposal by the TWF.

Characteristics which only apply to certain varieties

17. The TC-EDC considered document TC-EDC/Mar18/13 "Characteristics which only apply to certain varieties".

18. The TC-EDC noted that the TWA, TWV, TWO, TWF and TWC had agreed with the possibility to exclude varieties from observation on the basis of a preceding pseudo-qualitative or quantitative characteristic under particular circumstances.

19. The TC-EDC recommended that a proposal to amend guidance in document TGP/7 be considered by the Technical Committee, at its fifty-fourth session, e.g. to read: "In some cases, the state of expression of a preceding qualitative characteristic determines that a subsequent characteristic is not applicable [...]".

20. The TC-EDC recommended the inclusion of a warning on the consequences of using the approach to exclude varieties from observation on the basis of a preceding pseudo-qualitative or quantitative characteristic, such as for grouping characteristics.

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

Combined-over-years uniformity criterion (COYU)

21. The TC-EDC considered document TC-EDC/Mar18/14 "The combined-over-years uniformity criterion (COYU)".

22. The TC-EDC noted that the TWF suggested conducting a survey among members of the Union to assess the number of authorities using the COYU method for each crop sector, in order to assess how best to present information in relation to COYU to the TWPs.

23. The TC-EDC noted that the TWC agreed to invite the expert from the United Kingdom to report on further improving the software using the new method of calculation of COYU, at its thirty-sixth session.

24. The TC-EDC agreed to propose to the TWC to formulate a proposal for consideration by the TC, at its fifty-fourth session, on the new method of calculation of COYU.

25. The TC-EDC agreed that the improved method of calculation of COYU should only be discussed by the TWC and the TC, at their sessions in 2018.

Data processing for the assessment of distinctness and for producing variety descriptions

26. The TC-EDC considered document TC-EDC/Mar18/15 "Data Processing for the Assessment of Distinctness and for Producing Variety Descriptions".

27. The TC-EDC noted developments at the TWC, at its thirty-fifth session, and that a document compiling the descriptions of methods to transform measurements into notes would be presented to the TWC, at its thirty-sixth session, using the same format and clarifying the differences between the methods.

28. The TC-EDC agreed that summary information on developments concerning the possible development of new guidance for document TGP/8 on "Data Processing for the Assessment of Distinctness and for Producing Variety Descriptions" should be reported to the TWPs, at their sessions in 2018, under document "TGP documents". The TC-EDC agreed that developments on this matter should be considered by the TC, at its fifty-fourth session.

Uniformity assessment on the basis of off-types: methods for more than one single test (year)

29. The TC-EDC considered document TC-EDC/Mar18/16 "Uniformity assessment on the basis of off types: methods for more than one single test (year)".

30. The TC-EDC agreed to invite the expert from the United Kingdom to draft a proposal for the revision of guidance in document TGP/8/2: Part II: Section 8: Subsection 8.1.7: "Method for more than one single test (year)" for consideration by the TWPs, at their sessions in 2018.

*TGP/10: Examining uniformity*Assessing uniformity by off-types on the basis of more than one growing cycle or on the basis of sub-samples

31. The TC-EDC considered document TC-EDC/Mar18/17 “Assessing uniformity by off-types on the basis of more than one growing cycle or on the basis of sub-samples”.

32. The TC-EDC noted that the TWC had agreed to invite the experts from Germany, the United Kingdom and other members of the Union to submit papers on the analysis of risks associated with each approach for assessing uniformity by off-types on basis of more than one growing cycle, to be considered at its thirty-sixth session.

33. The TC-EDC considered the comments made by the TWPs, at their sessions in 2017, and on that basis agreed to recommend the draft guidance for consideration by the TC, at its fifty-fourth session, with the following amendments:

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

34. The TC-EDC noted the invitation by the TC for the TWPs, at their sessions in 2017, to consider whether more general criteria should be used for a variety to be rejected after a single growing cycle rather than the specific case of having exceeded the allowed number of off types in two growing cycles. The TC-EDC noted the preference expressed by the TWPs, at their sessions in 2017, to retain the criteria for a variety to be rejected after a single growing cycle previously considered by the TC, as follows:

“Furthermore, 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.”

35. The TC-EDC agreed that the proposal above should be considered by the TC and reported to the TWPs under document “TGP documents”.

*TGP/14: Glossary of Terms Used in UPOV Documents*Illustrations for shape and ratio characteristics

36. The TC-EDC considered document TC-EDC/Mar18/18 “Illustrations for shape and ratio characteristics”.

37. The TC-EDC noted the comments by the TWPs, at their sessions in 2017.

38. The TC-EDC noted that some leading experts of Test Guidelines had difficulty to provide explanations on shape characteristics using grids. The TC-EDC also noted that grids provided useful information for DUS examiners with less experience on a particular crop.

39. The TC-EDC agreed that explanations for shape characteristics should facilitate establishing distinctness on the basis of notes. The TC-EDC agreed that there should be flexibility for presenting explanations on shape characteristics using grids.

40. The TC-EDC agreed to invite the TWPs to consider the usefulness of grids under particular situations.

UPOV Color groups

41. The TC-EDC considered document TC-EDC/Mar18/19 Rev. “UPOV Color groups”.

42. The TC-EDC considered the proposals for the revision of document TGP/14, Section 2, Subsection 3: “Color”, and Subsection 3: Annex: “Color names for the RHS Colour Chart” and agreed that they should be submitted for consideration by the TWPs, at their sessions in 2018.

43. The TC-EDC noted that, in some cases, the new UPOV Color groups changed the names previously attributed to the same RHS Colour chart references (e.g.: 1A = “yellow” (previous); “medium yellow green” (new)).

44. The TC-EDC agreed to invite the TWPs, at their sessions in 2018, to consider whether to keep the previous list of UPOV Color groups within document TGP/14 in order to avoid confusion.
45. The TC-EDC considered the proposal for the revision of document TGP/14 to include guidance on the factors to be considered for creating color groups for grouping of varieties and organizing the growing trial, as set out in paragraph 14 of document TC-EDC/Mar18/19 Rev.. The TC-EDC agreed that state of expression “purple red” in the examples for *Campanula* should be corrected to read “red purple”.
46. The TC-EDC agreed to propose that the respective edition of an RHS Colour Chart should be indicated when used in a variety description.
47. The TC-EDC agreed that the above proposals should be submitted for consideration by the TWPs, at their sessions in 2018.

Possible future revisions of TGP documents

Explanations on disease resistance characteristics

48. The TC-EDC agreed to invite the TC to consider whether to provide further guidance on elements that would not need to be completed in explanations for disease resistance characteristics in Test Guidelines using the Standard Resistance Protocol provided in document TGP/12 “Guidance on certain physiological characteristics”. The TC-EDC recommended that the TC considered providing training at relevant TWPs on providing explanations for disease resistance characteristics in Test Guidelines.

Proprietary method of assessment for male sterility

49. The TC-EDC considered the draft Test Guidelines for Broccoli and the methodology for the assessment of male sterility in a DNA marker test. The TC-EDC noted that the DNA marker test could be used as an alternative test to the field trial.
50. The TC-EDC noted the following disclaimer:

“The description of the method to test male sterility for *Brassica* (CMS marker) is covered by a trade secret. The owner of the trade secret, Syngenta Seeds B.V., has given its consent for the use of the CMS marker solely for the purposes of examination of Distinctness, Uniformity and Stability (DUS) and for the development of variety descriptions by UPOV and authorities of UPOV members. Syngenta Seeds B.V. declares that neither UPOV, nor authorities of UPOV members that use the CMS marker for the above purposes will be held accountable for possible (mis)use of the CMS marker by third parties. Please contact Naktuinbouw, Netherlands, to obtain the method and information on the CMS marker for the purposes mentioned above.”

51. The TC-EDC recommended that the TC consider the possibility to accept the use of any other method, including alternative markers for the DNA marker test, where validated by the testing authorities in UPOV members.

Suitability of characteristics in previous versions of Test Guidelines

52. The TC-EDC considered the draft Test Guidelines for Cotton and the use of characteristics such as fiber length, fiber strength, fiber elongation, fiber fineness and fiber length uniformity. The TC-EDC noted that these characteristics had been introduced in the first Test Guidelines for Cotton adopted in 1985 or in the revised version in 2001. The TC-EDC recommended to request the leading expert of the Test Guidelines for Cotton to provide further information on how characteristics 30 to 34 are assessed, in Chapter 8.
53. The TC-EDC agreed to recommend to the TC to consider a situation where existing Test Guidelines characteristics did not meet the requirements set out in document TGP/7.

Program for the development of TGP documents

54. The TC-EDC noted the program for the development of TGP documents as amended on the basis of the comments by the TWPs, at their sessions in 2017, as set out in Annex IV to document TC-EDC/Mar18/10 Rev..

Test Guidelines

55. On the basis of the procedures for adoption of Test Guidelines by correspondence, the TC-EDC agreed that the following Test Guidelines should be circulated for approval by correspondence: Agaricus; Artichoke; Barley; Coleus; Elytrigia; Field Bean; Grevillea; Guzmania; Japanese Plum; Oncidium; Pepino; Pepper; and Spinach.

56. The TC-EDC agreed that the Test Guidelines for Black Walnut, Broccoli and Hardy Geranium required editorial clarifications.

57. The TC-EDC agreed that the technical issues raised on the Test Guidelines for Brown Mustard, Cotton, Pea, Tomato, and Tomato rootstock should be addressed by the respective TWPs.

58. The list of recommendations by the TC-EDC on Test Guidelines is reproduced in Annex II to this document.

Future meetings of the TC-EDC in 2019 and 2020

59. The TC-EDC considered the tentative dates of meetings in 2019 and 2020 and agreed to propose that, from 2019, the March/April meetings of the TC-EDC be held on Tuesdays and Wednesdays instead of Mondays and Tuesdays.

60. The TC-EDC adopted this report by correspondence.

[Annex I follows]

ANNEX I

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[Annex II follows]

ANNEX II

AMENDMENTS TO THE DRAFT TEST GUIDELINES PRIOR TO THEIR ADOPTION

Partial Revisions**TC-EDC/Mar18/2 Partial Revision of the Test Guidelines for Japanese Plum**

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/2 and agreed that the partial revision of the Test Guidelines for Japanese Plum be circulated to the TC for adoption by correspondence.

TC-EDC/Mar18/3 Partial Revision of the Test Guidelines for Oncidium

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/3 and agreed that the partial revision of the Test Guidelines for Oncidium be circulated to the TC for adoption by correspondence.

TC-EDC/Mar18/4 Partial Revision of the Test Guidelines for Artichoke, Cardoon

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/4 and agreed that the partial revision of the Test Guidelines for Artichoke, Cardoon be circulated to the TC for adoption by correspondence.

TC-EDC/Mar18/5 Partial Revision of the Test Guidelines for Pea

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/5 and made the recommendations presented in the table below.

The TC-EDC agreed that the partial revision of the Test Guidelines for Pea be referred back to the TWV in order to clarify technical issues.

Ad. 60	to magnify photos (Are the images large enough to see the detail required? If you zoom on the computer, they have very good resolution but are the details clear enough on the printed page?)
Ad. 60, 4. Footnotes 1 and 2	to indicate e-mail and web address of the institutions instead of personal e-mail addresses
Ad. 60, 5.	to read " <i>Ascochyta pisi</i> race C strain 21A.13. (the test protocol has been validated in a European CPVO co-funded project with this isolate) ³ "
Ad. 60, Footnote 3	to be moved to 9. Literature with standardized format of literature quotes.
Ad. 60, 6.	to add "Gallais et Bannerot, 1992" to chapter 9. Literature
Ad. 60	to delete 8.2, 8.3 and 8.5
Ad. 60, 8.8	to clarify meaning of "4/8h" (does it mean "half hour"?)
Char. 60, Ad. 60, 11.	- to provide clarification on type of expression: see explanation, doesn't correspond to QL - the 4-notes scale in Ad. 60, 11.2 "observation scale" indicates QN) clarification by TWV needed - in order to avoid confusion, avoid the term notes - to check whether to have separate characteristics for each strain (With this explanation it is very unlikely that notes absent/present are appropriate. In particular the photos and the drawing are confusing. Where is the clear gap between 1 and 9?) - What means "necrosis at each level of the plant"? Clarification needed.

TC-EDC/Mar18/6 Partial Revision of the Test Guidelines for Pepper

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/6 and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Pepper should be circulated to the TC for adoption by correspondence.

Ad. 48, 4. Footnotes	to indicate e-mail and web address of the institutions instead of personal e-mail addresses
Ad. 48, 6	to read “genetically defined pepper differentials (reference to see ISFwebsite: http://www.worldseed.org/isf/differential_hosts.html)”
Ad. 48, 8.1	to check whether to be deleted, because not applicable (according to 8.2, the virus is multiplied in living plants.)
Ad. 48, 8.2	- to check whether to read “Multiplication on pepper varieties with susceptibility to the particular race.” - For TMV: 0, is multiplication recommended on pepper, tomato or tobacco plants? Is ‘Samsun’ a tomato variety or a tobacco variety?
Ad. 48	to delete 8.3 to 8.5
Ad. 48, 8.8	to check whether to read: “Fresh < 1 day in fridge. Desiccated < 1 year in fridge. Juice < 1 year in freezer at -20°C.”
Ad. 48, last line	- to check whether to read “The dates of observation should be defined according to the expression of symptoms on the controls varieties. ...” - to clarify reference to a possible third observation (according to 10.5 to 10.7 three observations are mandatory)

TC-EDC/Mar18/7 Partial Revision of the Test Guidelines for Spinach

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/7 and agreed that the partial revision of the Test Guidelines for Spinach be circulated to the TC for adoption by correspondence.

TC-EDC/Mar18/8 Partial Revision of the Test Guidelines for Tomato

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/8 and made the recommendations presented in the table below.

The TC-EDC agreed that the partial revision of the Test Guidelines for Tomato should be referred back to the TWV to clarify the technical issues raised.

General remark	Control varieties in the DNA-test should also be indicated in the bio-test. Why are the control varieties not used as example varieties?
Chars. 48, 51, 58	- to be kept as VG (VS not appropriate for DNA marker test, see TGP/9. In case of DNA markers, 20 plants are observed for uniformity. According to chapter 4.1.4 of TG/44/11 Rev., indication of VS is not appropriate.) - DNA marker test to be presented to the BMT to check whether method corresponds to TGP/15
Ad. 48 Ad. 51 Ad. 58	to check whether to read “Resistance to race 0 (ex 1) and race 1 (ex 2) to be tested in a bio-assay (method i) or in a DNA marker test (method ii), if appropriate. Resistance to race 2 (ex 3) to be tested in a bio-assay (method i).” (to clarify whether it should be bio-assay only OR bio-assay in conjunction with DNA marker test where required. The gene-specific marker model anticipates a presence of a reliable link between presence of the marker and expression of the characteristic.)
Ad. 48 (ii) Ad. 51 (ii) Ad. 58 (ii)	- to clarify “often” (does not meet requirements for use of gene-specific marker model) (e.g. in Ad. 48 (ii) to confirm whether under (ii) DNA marker test there are always resistance alleles present in Gene I2 to both race 0 (ex 1) and race 1 (ex 2).)
Ad. 48 (i), 4. Footnotes	to indicate e-mail and web address of the institutions instead of personal e-mail addresses
Ad. 48 (ii) 2.	to clarify meaning of “quarantine status”

Ad. 48 (ii) 3.	to read “ Susceptible allele Allele for susceptibility Resistant allele Allele for resistance”
Ad. 48 (ii) 4.2	to check whether to add control varieties as example varieties in the table of characteristics
Ad. 48 (ii) 8.	48.1 reference to “absent” is missing (see 48.2).
Ad. 48 (ii) 8. 48.1 and 48.2	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism like gene I3). ”
Ad. 51 (i), 4. Footnotes	to indicate e-mail and web address of the institutions instead of personal e-mail addresses
Ad. 51 (ii)	Arens, P. et al (2010) to be added to 9. Literature
Ad. 51 (ii) 2	- to clarify that there are 3 alleles: 2 dominant ones for resistance and 1 susceptible
Ad. 51 (ii) 3.2	to read “Assay 2 to check susceptible or resistance allele for susceptibility or resistance”
Ad. 51 (ii) 4.2	- to clarify allelic basis for resistance
Ad. 51 (ii) 8.	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism like gene Tm1). ”
Ad. 51 (ii)	Table on test results (below 8.): to delete “(occurs incidentally)”
Ad. 58 (ii)	Dianese, E.C. et al (2010) to be added to 9. Literature
Ad. 58 (ii) 3.	to read “ Susceptible allele Allele for susceptibility Resistant allele Allele for resistance”
Ad. 58 (ii) 8.	to read “homozygous susceptible-susceptibility allele 1 present homozygous susceptible-susceptibility allele 2 present homozygous resistant resistance allele present.”
Ad. 58 (ii) 8.	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism). ”

TC-EDC/Mar18/9 Partial Revision of the Test Guidelines for Tomato Rootstocks

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TC-EDC/Mar18/9 and made the recommendations presented in the table below.

The TC-EDC agreed that the partial revision of the Test Guidelines for Tomato Rootstocks should be referred back to the TWV in order to clarify the technical issues raised.

Chars. 24, 27, 31	- to be kept as VG (VS not appropriate for DNA marker test, see TGP/9. In case of DNA markers, 20 plants are observed for uniformity. According to chapter 4.1.4 of TG/44/11 Rev., indication of VS is not appropriate.) - DNA marker test to be presented to the BMT to check whether method corresponds to TGP/15
Ads. 24, 27, 31	to clarify “often” (does not meet requirements for use of gene-specific marker model) (e.g. in Ad. 24 (ii) to confirm whether under (ii) DNA marker test there are always resistance alleles present in Gene I2 to both race 0 (ex 1) and race 1 (ex 2).)
Ad. 24 (i), 4. Footnotes	to indicate e-mail and web address of the institutions instead of personal e-mail addresses
Ad. 24 9.3.1	remark should be deleted (not appropriate for 1/9 scale (see 12.))
Ad. 24 (ii) 3.	to read “ Susceptible allele Allele for susceptibility Resistant allele Allele for resistance”
Ad. 24 (ii) 8.	24.1 reference to “absent” is missing (see 48.2).
Ad. 24 (ii) 8. 24.1 and 24.2	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism like gene I3). ”
Ad. 27 (i), 4. Footnotes	to indicate e-mail and web address of the institutions instead of personal e-mail addresses

Ad. 27 (ii)	Arens, P. <i>et al</i> (2010) to be added to 9. Literature
Ad. 27 (ii) 3.2	to read “Assay 2 to check susceptible or resistance allele for susceptibility or resistance”
Ad. 27 (ii) 4.2	Are the control varieties homozygous for Tm2 and Tm2 ² ?
Ad. 27 (ii) 8.	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism like gene Tm1).”
Ad. 27 (ii)	Table on test results (below 8.): to delete “(occurs incidentally)”
Ad. 30 (i)	in footnotes 10, 11: to check whether to read “IHSM-UMA-CSIC”
Ad. 30 (i) (8.5)	to check wording of disclaimer. The use of a GMO as part of requirements for DUS examination must be worded according to internationally accepted terminology/Conventions concerning the transboundary movement of Living Modified Organisms and release of GMOs. Should be worded by relevant experts with experience implementing international regulations.
Ad. 31	to add explanation below title of Ad. 31 to read the same as other Ad.
Ad. 31 (ii)	Dianese, E.C. <i>et al</i> (2010) to be added to 9. Literature
Ad. 31 (ii) 3.	to read “ Susceptible allele Allele for susceptibility Resistant allele Allele for resistance”
Ad. 31 (ii) 8.	to read “homozygous susceptible-susceptibility allele 1 present homozygous susceptible-susceptibility allele 2 present homozygous resistant resistance allele present.”
Ad. 31 (ii) 8.	to read “In case the DNA marker test result does not confirm the declaration in the TQ, a bio-assay should be performed to observe whether the resistance is absent or present for the variety is resistant e.g. (on another mechanism).”

New Test Guidelines

General

Table of contents	to correct page numbering
Ads.	to delete index/legend if only one indication
TQ 4.1	to invert order of 4.1.2 and 4.1.3 (“mutation” and “discovery and development”)

Brown Mustard (<i>Brassica juncea</i> (L.) Czern.)	TG/BRASS_JUN(proj.6)	Mr. Takayuki Nishikawa (JP)	TWV	*
	No. of chars.: 33 No. of (*) chars.: 7	(Interested experts: TWA, CA, CZ, DE, FR, KR, NL, PL, QZ, ZA, CropLife, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/BRASS_JUN(proj.6) and made the recommendations presented in the table below.

The TC-EDC agreed that the Test Guidelines for Brown Mustard should be referred back to the TWV in order to clarify the technical issues raised.

2.3	- to read “drilled plots” (see 3.4.2) - to clarify whether the two different seed samples are alternatives (add “or”?)
3.4.2	to indicate 200 plants (as in proj.5, to be corrected)
5.3	Definition of types is confusing and should not be used. The drawings clearly show 3 leaf types: entire (unlobed?) / lobed / divided (pinnate?). “Leaf: type” should be added to the table of characteristic. Drawings can be used in 8.2. “Leaf: type” and “Leaf blade: width of midrib” should be added for grouping. Definition of type 1 to 4 is redundant as it results from leaf type and head formation, if necessary in combination with midrib width. The TQ 5. should be amended accordingly. TQ 7.3 (b) should be deleted.
Char. 6	to delete (a) because leaf attitude is observed on more than one single leaf (see Ad. 6).

Char. 11	- see proposal under 5.3. - to read "Only varieties with Leaf: type lobed or divided:"
Char. 12	to add example varieties for state 1 (type entire)
Char. 17	- see proposal under 5.3. - to read "Only varieties with Leaf: type entire or lobed:"
Char. 18	- see proposal under 5.3. - to read "Only varieties with Leaf: type entire or lobed:"
Char. 19	- see proposal under 5.3. - to read "Only varieties with Leaf: type entire:"
Char. 28 to 32	- to delete "Only varieties with head formation: absent:" and move it to a new explanation 8.1 (b) - to check growth stage (stage 65-79 is too early, to check if 75-89 is appropriate)
Char. 28	to check whether "Plant: length" should be replaced by "Plant: height" (explanation of this characteristic indicates to observe the total plant height in Ad. 28)
Char. 33	to move "in the year of sowing under long day conditions" to the explanation
8.1 (a)	to read "Observations should be made on the largest fully developed leaf."
Ad. 3	to replace "measurement" by "observation"
Ad. 5	to delete reference to ratio from the grid (in legend)
Ad. 11	See proposal under 5.3. "... In case of divided leaves Type 2 leaf, the shape of the terminal lobe ..." To replace Type 1 by lobed and type 2 by divided. - to review wording for sentence: Type 2 leaf, the shape of terminal lobes is similar to shape of near other lobes) - to read the following sentence "the lateral lobes are the lobes excluding the terminal lobe (No 2,3,4.... in following figures)
Ad. 16	to check whether to be deleted (Drawing not useful. Reference to type 2 redundant (see proposal under 5.3)).
Ad. 17	see proposal under 5.3. to read "Observations should be made on the distal part of the leaves, excluding type 2. "
Ad. 18	to delete sentence
Ad. 28	to be deleted, if the correct stage of development is indicated (see comment on Char. 28)
Ad. 29	to check whether to read "Observations on the silique should be made on the middle third of the inflorescence of the main stem."
Ad. 33	to read "The tendency to form inflorescences in the year of sowing should be observed in late summer sown trials. The observation of the growth stage reached should be made in autumn, when the development stagnates (proportion of plants before bud stage, in bud stage, in flowering stage, in stage of silique formation)." - to check whether to delete reference to season ("autumn" and "summer") - to check whether and whether to add "Time of flowering (under long day conditions)" as a new characteristic (observation of flowering date cannot be considered as alternative method. Both characteristics would need different scales)
8.3	- other names of the example varieties should become 8.4 - Principal growth stage 5: to correct spelling of "Opening"
9.	last reference to read "Meier, U.:..." and moved up according to alphabetical order
TQ	See above. The TQ 5. should be amended according to proposed grouping characteristics. TQ 7.3 (b) should be deleted.

Elytrigia (<i>Thinopyrum ponticum</i> (Podp.) Barkworth & D. R. Dewey)	TG/ELYTR(proj.8)	Mr. Alberto Ballesteros (AR)	TWA	*
	No. of chars.: 10 No. of (*) chars.: 10	(Interested experts: CZ, HU, MX, PL, QZ, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/ELYTR(proj.8) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Elytrigia should be circulated to the TC for adoption by correspondence.

3.1.2	to check whether to be deleted
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3.3.4	to be deleted
Chars. 5 to 9	to delete states of expression 1 and 9 (no example varieties)
Ad. 10	to check whether to read “The density is the ratio of the number of spikelets per inflorescence length.”
8.2	- Stem Elongation DC31: spelling of “extension” - DC39: to read “Ligule / flag leaf collar just visible (state pre-swelling)”
9.	to read: Cabrera, A., <i>et al.</i> , 1970: Flora de la Provincia de Buenos Aires Parte II: Gramíneas. Colección Científica del INTA. Buenos Aires, AR, 169 pp. Dimitri, M. J., Parodi, L., 1972: Enciclopedia Argentina de Agricultura y Jardinería Vol. I. Descripción de plantas cultivadas 2º Edición. Editorial ACME S.A.C.I. Buenos Aires, AR, pp. 150-152. INASE, Descriptor provisorio de la especie <i>Agropyron (Elytrigia) spp.</i> Latour, M. C., <i>et al.</i> , 1970: Identificación de las principales gramíneas forrajeras del Noroeste de la Patagonia por sus caracteres vegetativos. Colección Científica del INTA. Buenos Aires, AR, pp. 30 to 77 Meier, U., 1997: Growth stages of mono- and dicotyledonous plants. BBCH-Monograph. Blackwell Wissenschafts-Verlag. Berlin; Boston, 622 pp.

Hardy Geranium (<i>Geranium L.</i>)	TG/GERAN(proj.4)	Ms. Elizabeth Scott (GB)	TWO	*
	No. of chars.: 48 No. of (*) chars.: 28	(Interested experts: CA, DE, GB, JP, KR, MX, NL, NZ, QZ, CIOFORA)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/GERAN(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that the Test Guidelines for Hardy Geranium required editorial clarifications.

5.3 (c)	- to check whether to delete Gr. 5 (“tinged” is not a main color, is it a secondary color?) and to check whether to add Char. 9 on secondary color as grouping characteristic - to clarify meaning of “tinged”
Table of Chars.	General comment: to check whether MG is appropriate (char. 19, 27, 28, 31)
Char. 7	to add VG and MS (same as for length and width)
Char. 9	- to check whether to be added as grouping char. to 5.3 - to review order of colors according to TGP/14 (green/yellow; purple/brown) - to add example variety “Springtime” to note 6
Chars. 10, 29, 30	to add example varieties indicated in TQ 5.5, 5.6, 5.7
Char. 12	to review order of colors according to TGP/14 (green/yellow; purple/brown)
Char. 15	to delete repeated table header under Char. 15
Char. 30	to clarify whether state 2 to read “double” or “semi-double” and use accordingly throughout TG (currently semi-double and double are used)
Char. 32	to read “Only varieties with flower type: single: ...”
Char. 37	to add VG and MS (same as for length and width)
8.1 (a)	to become a standalone paragraph at the beginning of Chapter 8.
8.1 (b)	to read “Observations on the leaf should be made on <u>the upper side of</u> fully expanded leaves from the middle third of a flowering stem, excluding the inflorescence.” (The are no characteristics which should be observed on the lower side.)
8.1 (c)	to read “ When observing the color of the leaves any Any color effect caused by the leaf pubescence should be ignored. The main color...”
8.1 (f)	to read “In double flowered varieties, observations should be made on the outer whorl of petals.”

8.1 (g)	- to read “All petals colors to be observed” Observations should be made on the inner surface. The color of the veins are should be excluded from this observation . The main color ...” - the “main area” should be replaced by the “main color”
Ad. 5	- indication of arrows to be improved (to add two lines on top and bottom of leaf to indicate length) - to remove label “a” from illustration and keep sentence without label - to read “To observe the leaf length from ...”
Ad 19	- to remove label “a” from illustration and keep sentence without label - to read “To be observed ...”
Ad. 22	- to insert a space between the diagrams of characteristic 22 and the title for 23 - to check whether to reverse order of states (overlapping to strongly diverging)
Ad. 47 and 48	to read “The characteristic should only be observed when the conspicuousness of veins (characteristic 46) is weak or higher. Only the conspicuous part of the veins should be considered.”
TQ 1.	- to add botanical name and common name in relevant boxes - to add 1.3 for species name
TQ 1.2	to replace “Crane’s Bill” by “Hardy Geranium”
TQ 4.2.1	to be deleted and add new option “Seed” after “Vegetative propagation”
TQ 5.8	to add example variety “Philippe Vapelle” to note 9
TQ 6	to change example (the characteristic proposed may not be suitable to illustrate difference with most similar variety – grouping characteristic)
9.	to add number of pages for references used, if appropriate

Grevillea (<i>Grevillea</i> R. Br. corr. R. Br.)	TG/GREVI(proj.7)	Mr. Nik Hulse (AU)	TWO	*
	No. of chars.: 59 No. of (*) chars.: 24	(Interested experts: GB, MX, NZ, QZ)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/GREVI(proj.7) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for *Grevillea* should be circulated to the TC for adoption by correspondence.

4.2.2	to delete repeated word “varieties” in the first line
Char. 9	- to add underlining to “Only varieties with...” - to be moved after Char. 7
Char. 13	- to be moved after Char. 10 (depth of sinus / width of sinus) - to delete states 1 and 9
Char. 16	- to read <u>“Only varieties with Leaf: type of division of blade: entire: Leaf: shape of apex”</u> - to be moved after Char. 9
Char. 34	to read “Inflorescence: length of rachis”
Char. 49	- state 2 to read “curved” - state 3 to read “reflexed”
Char. 53, 54	to be moved before Char. 47 (pistil characteristics to be moved before any of its parts)
8.1 (a)	to read “Observations should be made towards the end of active vegetative growth.”
8.1 (b)	- to be moved to 8.2 - legend “a” to correctly spell “blade”
8.1 (c)	- to be moved to 8.2 - to improve image quality of letters on arrows
8.1 (d)	to read “Observations should be made at the broadest part of a main flowering branch.”
8.1 (e)	to be moved to 8.2
8.1 (f)	- to check whether to invert index to read 9=pollen presenter; 10=stigma - to delete indication of 3 rachis - to check and remove indications not used in the Test Guidelines
Ad. 16	- to delete sentence
Ad. 29	- state 6 “ovate” should to read “ovoid” (for coherence with wording in Char. 29)
Ad. 42	to spell “outer side” (two words)

TQ 1	to add an additional box for 1.3 for species
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Black Walnut	TG/JUGLA(proj.4)	Ms. Victoria Colombo (ES)	TWF	
	No. of chars.: 20 No. of (*) chars.: 14	(Interested experts: CN, KR, QZ, ZA)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/JUGLA(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that the Test Guidelines for Black Walnut required editorial clarifications.

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"
3.3.3	to be moved to 3.1
4.2.3	to be deleted
Char. 4	- state 1 to read "absent or rudimentary" - state 2 to read "fully developed"
Char. 11	to read "Catkin: presence of fully developed catkins " (reference to fully developed in Ad. 11 is sufficient)
Char. 13	to check wording and use same approach as in Walnut (lateral/ventral view)
Char. 15	to read "Nut: shape of apex perpendicular to suture " (see char. 14 and 8.2)
Ad. 2	to delete last sentence (covered by growth stage 2)
Ad. 3	to read "... High 17 < number of leaflets ≤ 21 Very high 21 > number of leaflets"
Ad. 6	to read "Female flower is considered conspicuous <u>if flowers are present</u> at stage D _f (see 8.3). Female flower is considered non conspicuous when the flowers <u>appear only</u> are observed when the leaves are fully developed."
Ad. 11	to read "Observations on the presence of fully developed catkins should be made between stages B _m and D _m (see 8.3)."
Ad. 12	- to check whether to be observed at stage C _m (B _m too early?) - to check whether Chars 11 and 12 can be observed at the same time
Ad. 13	relative width scale is upside down (invert "narrow" and "broad")
Ad. 15	to add "Observation should be made facing the suture."
Ads. 16, 17, 18	to read "Time of ... is reached when ..."
Ad. 19	to be deleted
Ad. 20	to read "Time of ... is reached when ..."
8.3	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?)

Pepino (<i>Solanum muricatum</i> Aiton)	TG/PEPIN(proj.4)	Mr. Jun Araseki (JP)	TWV	*
	No. of chars.: 25 No. of (*) chars.: 17	(Interested experts: FR, NL, NZ, CropLife, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/PEPIN(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Pepino should be circulated to the TC for adoption by correspondence.

4.3.2	to delete reference to seeds
Char. 13	to replace (b) by (+) (explanation is only applicable for Char. 13 and should be removed to 8.2)
Char. 22	"Fruit: calyx size compared to diameter of fruit " (see Ad. 22)

8.1 (a)	to read “Observations on the plant, stems, leaves and flowers should be made at the time of flowering of the second inflorescence.”
8.1 (b)	- to be deleted and moved to 8.2 as explanation Ad. 13 - to read “Observations should be made 20-30 days after the opening of the flower and before development of stripes.”
8.1 (c)	to read “Observations on the ground color and stripes of the fruit should be made on fully developed fruits before the color change due to ripening.”
8.1 (d)	to read “Observations on the fruit should be made on fruits at harvest maturity.”
Ad. 14	to delete last sentence “For certain organs...”
Ads. 15 to 21	- sentence to read “The area of stripes should be recorded in relation to the total surface area of the fruit.” - to be consistent on position of stalk and apex (bottom or top) according to TGP/14 (throughout TG)

Coleus (<i>Plectranthus scutellarioides</i> (L.) R. Br.)	TG/SOLEN_SCU(proj.4)	Mr. Takayuki Mikuni (JP)	TWO	*
	No. of chars.: 36 No. of (*) chars.: 23	(Interested experts: CA, DE, GB, KR, QZ, ZA, CIOPORA)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/SOLEN_SCU(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Coleus should be circulated to the TC for adoption by correspondence.

1.	to remove extra space at end of sentence ([...] Br. .)
2.3, 3.4.1, 3.4.2, 4.1.4, 4.2.2, 4.2.3, 4.2.4	to have veg. varieties first (most varieties are vegetatively propagated)
5.3 (d), (e)	to check whether Gr. 5 “yellow” to read “medium yellow” or “dark yellow” (as Gr. 4 reads “light yellow”)
5.3 (e)	to read “...second largest surface area...”
Chars. 9, 10, 11 and 36	to be grouped together and moved after “color” characteristics (these characteristics relate to details and individual parts of the leaf blade: apex, base and margin)
Chars. 30, 31, 33, 34, 35	to replace “of” by “on” on characteristics headers (e.g. to read: “pattern <u>on</u> lower side”, instead of “pattern <u>of</u> lower side”)
8.1 (a)	to read “Observations on the leaf should be made on the upper side of fully expanded leaves from the middle third of the stem, unless otherwise specified. ”
8.1 (c), (d)	to add headers (color distribution and pattern)
9.	to display references in alphabetical order (Hartlage first)
TQ 4.2	to invert order of presentation between 4.2.1 and 4.2.2

Revisions

Field Bean (<i>Vicia faba</i> L. var. <i>Equina</i> St.-Amans)	TG/8/7(proj.4)	Ms. Cheryl Turnbull (GB)	TWA	*
	No. of chars.: 23 No. of (*) chars.: 12	(Interested experts: AR, AU, CA, CO, CZ, DE, DK, ES, FR, GB, IT, MX, NL, PL, QZ, ZA, CLI, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/8/7(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Field Bean should be circulated to the TC for adoption by correspondence.

Cover page	coverage to include both subspecies (<i>V. faba equina</i> and <i>V. faba minor</i>)
Char. 10	"Flower Standard: ..."
Char. 13	state 1 to read "absent or weak"
Ads. 8, 9	to delete index a, but keep arrow
9.	to format in italics all mentions to <i>Vicia faba</i>

Barley (<i>Hordeum vulgare</i> L. <i>sensu lato</i>)	TG/19/11(proj.3)	Ms. Beate Rücker (DE)	TWA	*
	No. of chars.: 29 No. of (*) chars.: 18	(Interested experts: AU, AR, CA, CZ, DK, ES, FI, FR, GB, JP, IT, NL, NZ, KR, PL, QZ, SK, CLI, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/19/11(proj.3) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for Barley should be circulated to the TC for adoption by correspondence.

name box	to read " <i>Hordeum vulgare</i> L."
Table of Chars.	- to delete states 1 and/or 9 in QN characteristics for which no example varieties are provided (Chars. 7, 10, 13, 19, 21, 22, 25, 29) - to delete all "(S) – ", "(W) –".
Char. 3	to have states from "light" to "dark" (see TGP/14)
Char. 6	- state 7 to read "semi-reflexed" - state 9 to read "reflexed" (see TGP/14, Section 1.2)
Char. 29	to be placed before Char. 28 "Seasonal type"
Ad. 2	drawings should be placed in one line
8.2	to check whether to use complete scale from original publication
Annex 2.4.3	to correct sample unit ("micro" instead of "u" – [...Samples (10-20 ul)[...])

Cotton (<i>Gossypium</i> L.)	TG/88/7(proj.4)	Mr. Jesús Mérida (ES)	TWA	*
	No. of chars.: 35 No. of (*) chars.: 13	(Interested experts: AR, AU, BR, CN, CO, ES, JP, KE, MX, QZ, TZ, US, VN, ZA, CLI, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/88/7(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that the revision of the Test Guidelines for Cotton should be referred to the TWA to clarify the technical issues raised.

4.2.4	to specify to which type of varieties this paragraph applies to (to check whether 1% population standard applies to all varieties or specific type of varieties)
Char. 6	to check whether to delete “clearly”
Char. 23	“Tall” should be “tall”
Char. 28	to read “100 seed weight”
Char. 30 to 34	to clarify how the characteristics are assessed
Char. 32	- to add explanation to define the characteristic (meaning of elongation) - to indicate how it is observed
Char. 34	- to review wording of characteristic header (fiber length uniformity) - to add explanation to define the characteristic (meaning of length uniformity) - to indicate how it is observed
8.1 (c)	to check whether to be formatted with bullet points at the same alignment for both “Standard Test Methods” as follows: • Standard Test Methods for Measurement of Cotton Fibres by High Volume Instruments (HVI) (Motion Control Fiber Information System). Designation D-4604-95 • Standard Test Methods for Measurement of Physical Properties of Cotton Fibers by High Volume Instruments (HVI). Designation D-5867-95 “Established by the American Society for Testing and Materials (ASTM)”
Ad. 1	- to improve illustrations (to clarify what clustering is; is clustered the appropriate term?) (density of flowers, distance between flowers?) - is it really PQ or QN (illustration looks like QN)
Ad. 6	to clearly display stigma (magnify plant part to be shown)
Ad. 28	“... on a sample of delinted seed.”
Ad. 29	to improve explanation (percentage of what?)
8.3	to add literature reference
9.	First two references should be amended according the usual way to present literature with all relevant information.
TQ 1	to add box for species as 1.3

Broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i> Plenck)	TG/151/5(proj.3)	Ms. Marian van Leeuwen (NL)	TWV	*
	No. of chars.: 26 No. of (*) chars.: 12	(Interested experts: CZ, ES, FR, GB, IT, JP, PL, QZ, RO, CropLife, ESA, ISF)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/151/5(proj.3) and made the recommendations presented in the table below.

The TC-EDC agreed that the Test Guidelines for Broccoli required editorial clarifications.

Table of chars.	- to check whether to add growth stages throughout table of characteristics (1 = before harvest maturity, 2 = at harvest maturity) - to complete table of characteristics with indication of type of variety for each example variety (autumn and spring)
Char. 1	to check if (a) is correct (observation on fully developed leaves at the middle level of the plant?)
Chars. 14, 16, 20, 22	“Only Calabrese type varieties” should be indicated with underline
Char. 19	“Only varieties with Head: color: whitish, green, grey green or blue green” should be indicated with underline.
Chars. 23, 24	to combine chars. 23 and 24 with both types of example varieties (see general comment on table of chars.)
Char. 25	to be indicated as VG only
8.1	It is proposed to use growth stages (e.g. 1 – just before harvest maturity, 2 – harvest maturity). (a) could be modified as follows : “Observations should be made on fully developed leaves at the middle of the plant”. (b) should be replaced by stage 2
8.1(c), (d)	move to 8.2 (only chars 23 and 24)

Ad. 25	- replace “stay sticked to stamen” with “sticks to stamen” - to delete second sentence under field trial (“The observation on the presence of pollen...” - to delete sentences “In case of a field trial, type of observation is VG. In case of a DNA marker test, type of observation is MS.”
8.3	- to add title (Types of Broccoli) - “Sprouting type: Only multiple <u>Multiple</u> heads ...”

Guzmania (<i>Guzmania</i> Ruiz et Pav.)	TG/182/4(proj.4)	Mr. Henk de Greef (NL)	TWO	*
	No. of chars.: 42 No. of (*) chars.: 23	(Interested experts: BR, CN, JP, MX, MY, QZ)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/182/4(proj.4) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for *Guzmania* should be circulated to the TC for adoption by correspondence.

2.3, 3.4.1, 3.4.1, 4.1.4, 4.2.2, 4.2.3, 4.2.4	to have veg. varieties first (most varieties are vegetatively propagated)
4.2.4	to read “...an acceptance probability of at least...”
5.3 (e)	to delete “with the following groups: Gr 1. . . Gr 6: purple”
Chars. 19, 20, 21	to be indicated as VG
Chars. 20, 38	to add (d)
8.1 (e)	to be deleted and move information to Ad.15 and Ad. 26
Ad. 1	to delete text
Ad. 15, 26	to add wording from 8.1 (e)
Ad. 35	to improve illustration by adding more than 1 flower per bract (to clarify what is below note 3)
Ad. 36	to provide illustration
TQ 1.	to add 1.3 for species

Agaricus (<i>Agaricus bisporus</i> (Lange.) Sing.)	TG/259/2(proj.6)	Mr. Sergio Semon (QZ)	TWW	*
	No. of chars.: 26 No. of (*) chars.: 18	(Interested experts: FR, HU, JP, KR, ESA, ISF, Office)		

The TC-EDC, at its meeting held in Geneva, on March 26 and 27, 2018, considered document TG/259/2(proj.6) and made the recommendations presented in the table below.

The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the Test Guidelines for *Agaricus* should be circulated to the TC for adoption by correspondence.

3.1.3	to delete “normally”
4.2.3	- to read “1 off-type is allowed” (delete “t”) - to add sentence for a sample size of 120 fruit bodies with 3 off-types allowed
Char. 10	to check whether to read “Stipe: oxidation of cut surface”.
Char. 22	to check whether to read “Stipe: distance from base to annulus”
Char. 26	to check whether state 2 to read “flattened”
8.1	stage terminology (button, flat/fully spread) to be adjusted/harmonized with 8.3
Ad.1	to be deleted
Ad. 10	to change to “cutting surface” in the text, if change to Char. 10 is accepted

Ad. 13	- to delete photo for state 5 - to check whether to replace photos of states 3 and 7 with drawings
8.3	to delete life cycle of agaricus

[End of Annex II and of document]