

**Technical Committee****TC/60/8.****Sixtieth Session  
Geneva, October 21 and 22, 2024****Original:** English  
**Date:** October 22, 2024**REPORT***adopted by the Technical Committee**Disclaimer: this document does not represent UPOV policies or guidance*

1. The Technical Committee (TC) held its sixtieth session in Geneva on October 21 and 22, 2024. The list of participants is reproduced in Annex I to this report.
2. The session was opened by Ms. Beate Rücker, Chairperson of the TC, who welcomed the participants.
3. The Chairperson reported that Armenia had deposited its instrument of accession to the 1991 Act of the UPOV Convention on February 2, 2024, and had become bound by the 1991 Act on March 2, 2024. Armenia was the 79th member of UPOV. This would bring the number of States and organizations bound by the 1991 Act to 62 members (out of 79 members).

Adoption of the agenda

4. The TC adopted the agenda as presented in document TC/60/1.

Report by the Vice Secretary-General on developments in UPOV

5. The TC received a presentation from the Vice Secretary-General and noted that a copy of the presentation would be made available after the UPOV sessions on the TC/60 webpage.

Progress report on the work of the Technical Working Parties

6. The TC noted that, since its fifty-ninth session, the Technical Working Party for Agricultural Crops (TWA), Technical Working Party for Fruit Crops (TWF), Technical Working Party on Testing Methods and Techniques (TWM), Technical Working Party for Ornamental Plants and Forest Trees (TWO) and Technical Working Party for Vegetables (TWV) had each held one session. The TC noted that all Technical Working Parties (TWPs) had met virtually.
7. The TC received oral reports from the chairpersons on the work of the TWA, TWF, TWM, TWO and TWV. The TC noted that the reports from the chairpersons were provided in the Annexes to document TC/60/5.
8. The TC approved the programs of work for the TWA, TWF, TWO and TWV, at their sessions in 2025, as set out in the Annexes to document TC/60/5.
9. The TC received an invitation from China to host the TWM/3 session in Beijing, in 2025. The TC noted the intervention by the Delegation of China that the internal approval procedure had already started long before the TWM/2 session but the offer to host the TWM/3 could not be confirmed during the TWM/2 session, held in April 2024.
10. In agreement with the Chairperson of the TWM, Ms. Nuria Urquia (European Union), the TC agreed to propose to the Council that the TWM/3 session be held from April 28 to May 1, 2025, in Beijing, China.

Matters arising from the Technical Working Parties

11. The TC considered document TC/60/3.

*Matters for information and for a possible decision to be taken by the Technical Committee*

Assessing distinctness in disease resistance characteristics

12. The TC agreed with the TWV to invite the Office of the Union to provide information on challenges and opportunities for disease resistance characteristics in Test Guidelines, for consideration at the fifty-ninth session of the TWV, as set out in document TC/60/3, paragraph 7.

*Matters for information*

13. The TC noted developments in the TWPs concerning:

- (i) Implementation of Purdy's notation for pedigrees in UPOV PRISMA;
- (ii) DUS tests: one site in two years versus two sites in one year;
- (iii) Number of growing cycles and concluding examination of fruit crops;
- (iv) Procedures for assessment of characteristics with single record (MG) and a number of individual records (MS) for a group of plants or parts of plants;
- (v) Experiences with new types and species;
- (vi) Male sterility in Cauliflower (TG/45/7);
- (vii) Developing new characteristics for Barley variety examination;
- (viii) Information on mutant varieties of apple useful for DUS examination;
- (ix) Image analysis and new technologies in DUS examination;
- (x) Software and statistical analysis methods for DUS examination; and
- (xi) Phenotyping and image analysis

14. The TC noted that more disease resistance characteristics were being proposed in Test Guidelines, requiring more frequent revision and agreed that subgroups of interested experts should be promoted to advance discussions more expeditiously.

Development of guidance and documents proposed for adoption by the Council

15. The TC considered document SESSIONS/2024/2.

*Matters for adoption by the Council in 2023*

Documents for adoption by the Council, subject to agreement by the TC and the CAJ

*UPOV/INF/16: Exchangeable Software (Revision)*

16. The TC agreed to propose the revision of document UPOV/INF/16 "Exchangeable Software" on the basis of document UPOV/INF/16/13 Draft 1.

*UPOV/INF/22: Software and Equipment Used by Members of the Union (Revision)*

17. The TC agreed to propose the revision of document UPOV/INF/22 "Software and Equipment Used by Members of the Union" on the basis of document UPOV/INF/22/11 Draft 1.

*UPOV/EXN/DEN: Explanatory Notes on Variety Denominations under the UPOV Convention (Revision):  
New variety denomination classes for Prunus and situations when a denomination should be compared with other classes within a genus*

18. The TC agreed to propose the revision of document UPOV/EXN/DEN/3 "Explanatory Notes on Variety Denominations under the UPOV Convention" (document UPOV/EXN/DEN/4), on the basis of the proposed revisions presented in document SESSIONS/2024/2, Annex I, section "Proposal: New variety denomination classes for Prunus", with the following amendment (additions indicated with highlighting and underline; and deletions indicated with highlighting and ~~strikethrough~~):

“c) The ~~registered~~ proposed denominations of an interspecific hybrid variety with parents from different classes within a genus should be different from introduced denominations in all the classes ~~within a genus~~ of all the parent species. The UPOV code for an interspecific hybrid variety with parents from different classes within a genus should be associated with the variety denomination classes of all the parent species.

*TGP/7: Development of Test Guidelines (Revision): Additional Standard Wording (ASW) 3 “Explanation of the growing cycle”*

19. The TC agreed to propose the revision of document TGP/7/9 “Development of Test Guidelines”, on the basis of the proposed amendments presented in document SESSIONS/2024/2, paragraph 20, and as reproduced as follows:

“(a) Fruit species with clearly defined dormant period

“3.1.2 The growing cycle is considered to be the duration of a single growing season, beginning with the dormancy period, followed by bud burst (flowering and/or vegetative), flowering and fruit harvest and concluding when the following dormant period starts ends with the swelling of new season buds.”

*TGP/12: Guidance on Certain Physiological Characteristics (Revision): Equivalence table for states of expression in quantitative disease resistance characteristics in Test Guidelines*

20. The TC agreed to propose the revision of document TGP/12/4 “Guidance on Certain Physiological Characteristics”, on the basis of the proposed amendments presented in document SESSIONS/2024/2, Annex II, section “Proposal”, with the following amendment to the disposition of information in the table to be presented as follows:

“Table 2: States of expression in Test Guidelines and terminology used in the vegetable seed sector:

<i>States of expression in Test Guidelines:</i>		
Resistance to [disease name]	note	state
	1	absent or low
	2	medium
	3	high
<i>Terminology used in the vegetable seed sector:</i>		
Reaction of a plant variety to a specific pest <sup>1</sup>	Susceptibility (S)	
	Intermediate Resistance (IR)	
	High Resistance (HR)	

*Matters for consideration by the Technical Committee*

TGP/5 “Experience and Cooperation in DUS Testing”, Section 6 “UPOV Report on Technical Examination and UPOV Variety Description” (Revision)

21. The TC agreed with the proposal to include additional explanations for document TGP/5, Section 6, item 16 “Similar varieties and differences from these varieties”, as provided in document SESSIONS/2024/2, paragraph 46, and reproduced as follows:

<sup>1</sup> source: <https://worldseed.org/>

“16. Similar Varieties and Differences from These Varieties

Denomination(s) of variety(ies) similar to the candidate variety	Characteristic(s) in which the candidate variety differs from the similar variety(ies)1)	State of expression of the characteristic(s) for the similar variety(ies) 2)	State of expression of the characteristic(s) for the candidate variety2)
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[18. Explanatory Notes to the Annex: UPOV Variety Description

[...]

“(d) Ad Number 16 (Annex: UPOV Variety Description)

“1) A similar variety(ies) should be indicated. If no similar variety was identified, ‘none’ should be stated.

“2) In the case of identical states of expression of both varieties, please indicate the size of the difference.

“3) The state of expression of the candidate variety and similar variety(ies) relate to the DUS examination conducted at the testing station/place facility and period of testing indicated in 11 and 12.

“4) Only those characteristics that show sufficient differences to establish distinctness should be given. Information on differences between two varieties should always contain the states of expression with their notes for both varieties; if possible, in columns if more varieties are mentioned.”

*Subsection “UPOV Variety Description”, item 17 “Additional Information”*

22. The TC agreed with the proposal to amend document TGP/5, Section 6, item 17 “Additional information”, document SESSIONS/2024/2, paragraph 49, and reproduced as follows:

“Ad. Number 17 (Annex: UPOV Variety Description)

“Further situations and type of additional information to be provided may be agreed bilaterally, according to the crop type and variety examined.”

*Structure of document TGP/5, Section 6 “UPOV Report on Technical Examination and UPOV Variety Description”*

23. The TC agreed to invite the Office of the Union to revise the structure of document TGP/5, Section 6, as provided in document SESSIONS/2024/2, paragraphs 51 and 52, to clarify that the “UPOV Variety Description” was an Annex to the “UPOV Report on Technical Examination” and item 18 “Explanatory Notes to the Annex: UPOV Variety Description” was another separate section of the guidance.

TGP/7: Development of Test Guidelines (Revision)

*Additional Standard Wording (ASW) 7(b) “Number of plants / parts of plants to be examined”*

24. The TC noted the discussions on possible amendments to document TGP/7, Additional Standard Wording (ASW) 7(b) “Number of plants / parts of plants to be examined”, as reported in document SESSIONS/2024/2, Annex IV, paragraphs 6 to 15.

*Guidance Note (GN) 28 “Example Varieties” – Example varieties for asterisked quantitative characteristics when illustrations are provided*

25. The TC noted the discussions on a proposal to amend document TGP/7, Guidance Note (GN) 28 “Example Varieties” to address situations where illustrations could replace example varieties, as reported in document SESSIONS/2024/2, Annex IV, paragraphs 16 to 25.

26. The TC noted the invitation for the drafter from Germany to provide further explanations on the criteria for decision and examples when illustrations could replace example varieties.

Access to plant material for the purpose of management of variety collections and DUS examination

27. The TC noted the discussions on elements for inclusion in requests for the submission of plant material of candidate varieties and varieties of common knowledge for DUS examination, as reported in document SESSIONS/2024/2, Annex V, paragraphs 4 to 11.

28. The TC noted the comments from the TWA, TWO and TWV on particular requirements from domestic regulations and that it would not be appropriate to develop guidance on the matter.

Measures to enhance cooperation in examination

29. The TC considered document SESSIONS/2024/3 and recalled that it had agreed to support the exchange of information from UPOV members on practices in DUS examination, including events to discuss the environmental effect in the expression of characteristics, variety collections and cooperation with breeders in DUS examination.

30. The TC noted the interventions from the Delegations of Argentina, Belarus, Brazil, Canada, European Union and Japan on the proposed measures to enhance cooperation in examination and agreed to support continuing discussions, as provided in document SESSIONS/2024/3.

31. The TC agreed to support organizing the proposed seminar to create awareness on cooperation with breeders in DUS examination, at the fringes of the UPOV sessions in 2025, which could lead to the future development of training materials based on members' experiences and practices.

Measures to improve support provided for DUS examination

32. The TC considered document TC/60/6.

*Measures on Test Guidelines (TGs) and online tool for drafting TGs*

33. The TC considered the report from the subgroup on Test Guidelines and agreed on the importance of the work of leading experts in charge of drafting Test Guidelines. The TC noted that the Office of the Union would organize a webinar for leading experts in December 2024 to address frequently asked questions and common challenges using the Test Guidelines drafting tool. The TC noted that the webinar would be open to all members and the video recording made available on the UPOV website and YouTube channel.

34. The TC agreed that further initiatives to support drafters of Test Guidelines should be considered, including a preparatory webinar to be held before the TWPs in 2025.

35. The TC considered possible options to improve the online tool for drafting Test Guidelines and noted the report from the Office of the Union on issues identified by the subgroup currently being addressed, including a new reporting tool and improved functionalities to upload tables and images. The TC noted the plan to test using the online drafting tool during TWPs to record the outcome of discussions on draft Test Guidelines during the sessions.

36. The TC considered possible options to improve the Test Guidelines structure and agreed to invite the leading expert to continue developing the proposals, to be presented to the TWPs at their sessions in 2025, along with the outcomes of the consultations.

*Measures for the Office of the Union to develop proposals*

Practical experience in DUS examination

37. The TC considered how UPOV members can search for information on experience in DUS examination and noted that the UPOV Plant Variety Database (PLUTO) was commonly used by members.

38. The TC considered options to identify the authority that had conducted the technical examination of a variety and agreed that this information was required in the UPOV model form for the application for plant breeders' rights (document TGP/5, Section 2).

39. The TC noted that the UPOV e-PVP DUS Report Exchange Platform provided information on test reports available for exchange and offers to conduct DUS examination on behalf of other authorities. The TC noted that, in addition to the GENIE database, some members utilized the printable version of the TC document "List of genera and species for which authorities have practical experience in the examination of DUS".

#### Cooperation in DUS examination

40. The TC considered how UPOV members can search information on cooperation in DUS examination and whether to develop further guidance on the use of any of the available options. The TC agreed that members sought cooperation directly with authorities with experience in examination of the crops of their interest. The TC agreed that information in the GENIE database and Council document "Cooperation in Examination" was outdated and could possibly be discontinued.

#### *TGP Documents: subgroups and leading experts*

41. The TC agreed to utilize, as appropriate, guidance on the role of the leading expert in document TGP/7 "Development of Test Guidelines" for matters on amending or developing guidance in TGP documents, as set out in document TC/60/6, paragraph 66.

42. The TC agreed to request the TWPs to invite experts from members of the Union to lead discussions on proposals for developing or amending guidance, including for TGP documents.

#### *Training and distance learning*

##### Updating distance learning courses

43. The TC agreed to invite UPOV members to explore cooperation possibilities with the Office of the Union to resource the updating of the content and format of the UPOV distance learning courses.

##### Developing new courses

44. The TC agreed to support the development of new training courses on DUS examination by UPOV members, including developing national test guidelines in the absence of UPOV Test Guidelines and filing applications. The TC noted that content formats such as webinars and video-recordings could be used to provide practical guidance from UPOV members' experience and complement distance learning courses.

45. The TC encouraged UPOV members to contact the Office of the Union to explore the inclusion of training programs provided by UPOV members in the UPOV PVP Certificate program.

##### Promoting training opportunities

46. The TC agreed to support UPOV members promoting training opportunities, including their inclusion in the UPOV PVP Certificate program.

#### *List of members willing to provide mentoring on drafting national test guidelines*

47. The TC agreed to invite the contact persons of members of the Union to the TC to provide information on their willingness to provide mentoring on drafting national test guidelines for inclusion on the web page of contact persons for international cooperation in DUS examination.

#### *Performance indicators*

48. The TC reviewed the work of the TWPs on the basis of the performance indicators and agreed that no further indicators should be established at this stage.

49. The TC noted the satisfaction survey conducted with participants at the meetings of the TWPs in 2024, as presented in Annex V to document TC/60/6 and agreed to invite the Office of the Union to continue regularly surveying members and observer organizations on their satisfaction with the support for DUS examination provided by UPOV through the TC and TWPs.

### Molecular techniques

50. The TC considered document SESSIONS/2024/6.

#### *Guidelines for the validation of a new characteristic-specific molecular marker protocol as an alternative method for observation*

51. The TC agreed to request the TWPs, at their sessions in 2025, to consider the proposal for guidelines for the validation of new characteristic-specific molecular marker protocol for DUS examination, as provided in the Annex to document SESSIONS/2024/6.

#### *Confidentiality and Ownership of Molecular Information*

52. The TC noted the request from breeders' organizations for the development of guidance in UPOV on confidentiality of molecular data and the offer to propose a draft model agreement template, to be presented at the third session of the TWM.

53. The TC agreed to renew the invitation for presentations and reports from members and observers on examples of policies on confidentiality and access to molecular data at the TWP sessions in 2025.

#### *Matters for information*

54. The TC noted the following matters for information provided document SESSIONS/2024/6:

- (i) Developments at the second session of the Technical Working Party on Testing Methods and Techniques (TWM)
- (ii) Latest developments in molecular techniques and bioinformatics
- (iii) Cooperation between international organizations
- (iv) Report on the work on molecular techniques in relation to DUS examination
- (v) The use of molecular techniques in variety identification

### UPOV information databases

55. The TC considered document SESSIONS/2024/5.

#### *Amendments to UPOV codes*

##### UPOV codes for Citrus

56. The TC noted the reclassification of genera and species of the *Citrus* complex which are no longer recognized as valid botanical names. The TC noted that UPOV codes in the genera *Citrus*, *×Citroncirus*, *Fortunella* and *Poncirus* would be affected. The TC agreed to submit to the TWF a proposal for amending the UPOV codes for *Citrus* and related genera and species, as provided in Annex II to document SESSIONS/2024/5.

#### *Matters for information*

57. The TC the following matters for information provided in document SESSIONS/2024/5:

- (i) PLUTO database
- (ii) GENIE database
- (iii) Amendments to UPOV codes
- (iv) UPOV codes for *Zea mays*

### TWP workshops and webinars

58. The TC considered document TC/60/7.

59. The TC agreed to organize technical webinars in 2025, at suitable dates according to the schedule of TWP sessions, and workshops with physical participation, where requested, as set out in document TC/60/7, paragraphs 16 to 19.

60. The TC agreed that the focus of one of the webinars be the provision of support for leading experts drafting Test Guidelines. The TC agreed that the detailed arrangements concerning the webinars would be finalized by the Office of the Union in coordination with the chairpersons of the TC and TWPs.

61. The TC noted the expression of interest of CIOPORA for collaboration in relation to its Academy related technical webinars and noted that the Office of the Union would contact CIOPORA to explore possible synergies in training activities.

#### Test Guidelines

62. The TC considered document TC/60/2.

#### *Additional Characteristics and States of Expression*

63. The TC noted that no additional states of expression or characteristics had been notified to the Office of the Union since the fifty-ninth session of the TC and agreed to request this information in future requests to the contact persons of members of the Union to the Technical Committee. The TC agreed that the procedure of notification of additional characteristics and states of expression should be further discussed at the TWPs.

#### *Technical Questionnaire, section 4.2: "Method of propagating the variety"*

64. The TC noted that lists with options for information on method of propagating the variety would be made available in UPOV PRISMA for the Technical Questionnaires of certain Test Guidelines that were adopted before the adoption of document TGP/7 "Development of Test Guidelines" in 2007, as provided in document TC/60/2, Annex V.

65. The TC agreed to invite the TWA, TWF, TWO and TWV, at their sessions in 2025, to consider:

- i) the options for information on method of propagating the variety to be provided in Technical Questionnaires; and
- ii) whether to propose the partial revision of the Test Guidelines for including information on method of propagating the variety in Section 4.2 of the Technical Questionnaires.

#### *Test Guidelines for adoption*

66. The TC noted the list of draft Test Guidelines planned for adoption by the TC, subject to any changes proposed by the TC-EDC, as set out in document TC/60/2, Annex I.

#### *Test Guidelines adopted by correspondence in 2024*

67. The TC noted that 1 new and 7 revised and 5 partially revised Test Guidelines for the Conduct of Tests for Distinctness, Uniformity and Stability, as listed in the table below, had been adopted by correspondence on the basis of the amendments specified in Annex II to this document and the linguistic changes recommended by the TC-EDC:

TWP		Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name
<u>NEW TEST GUIDELINES / NOUVEAUX PRINCIPES DIRECTEURS D'EXAMEN / NEUE PRÜFUNGSRICHTLINIEN / NUEVAS DIRECTRICES DE EXAMEN</u>							
JP	TWF	TG/341/1	Mulberry	Mûrier	Maulbeerbaum	Morera	<i>Morus</i> L.
<u>REVISIONS OF ADOPTED TEST GUIDELINES / RÉVISIONS DE PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS / REVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES DE DIRECTRICES DE EXAMEN ADOPTADAS</u>							
FR	TWF	TG/35/8	Sweet Cherry	Cerisier doux	Süsskirsche	Cerezo dulce	<i>Prunus avium</i> (L.) L.

TWP		Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name
NL	TWV	TG/44/12	Tomato	Tomate	Tomate	Tomate	<i>Solanum lycopersicum</i> L. x <i>S. pimpinellifolium</i> L., <i>S. lycopersicum</i> L. x <i>S. cheesmaniae</i> (L. Ridley) Fosberg, <i>S. lycopersicum</i> L.
NL	TWV	TG/76/9	Sweet Pepper, Hot Pepper, Paprika, Chili	Piment, Poivron	Paprika	Aji, Chile, Pimiento	<i>Capsicum annum</i> L.
KR	TWV	TG/105/5	Chinese Cabbage	Chou chinois	Chinakohl	Repollo chino	hybrids between <i>Brassica rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>Brassica rapa</i> L. Emend. Metzg. ssp. <i>chinensis</i> (L.) Hanelt, hybrids between <i>B. rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>B. rapa</i> L. var. <i>rapa</i> (L.) Thell., <i>B. rapa</i> L. subsp. <i>pekinensis</i> (Lour.) Kitam., <i>Brassica x turicensis</i> O. E. Schulz & Thell.
FR	TWO	TG/148/3	Weigela	Weigela	Weigelie	Weigela	<i>Weigela</i> Thunb.
NL	TWO	TG/181/4	Amaryllis	Amaryllis	Amaryllis	Amarilis	<i>Hippeastrum</i> Herb.
HU	TWF	TG/230/2	Sour Cherry; Duke Cherry	Griotte, Cerisier acide	Sauerkirsche	Cerezo ácido, Guindo; Cerezo Duke	<i>Prunus xgondouinii</i> (Poit. & Turpin) Rehder, <i>Prunus cerasus</i> L.
<b>PARTIAL REVISIONS OF ADOPTED TEST GUIDELINES / RÉVISIONS PARTIELLES DE PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS / TEILREVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES PARCIALES DE DIRECTRICES DE EXAMEN ADOPTADAS</b>							
NL	TWV	TG/13/11 Rev. 3	Lettuce	Laitue	Salat	Lechuga	<i>Lactuca sativa</i> L.
NL	TWV	TG/55/7 Rev. 8	Spinach	Épinard	Spinat	Espinaca	<i>Spinacia oleracea</i> L.
FR	TWV	TG/104/5 Rev. 3	Melon	Melon	Melone	Melón	<i>Cucumis melo</i> L.
FR	TWV	TG/119/4 Rev.	Vegetable Marrow, Squash	Courgette	Zucchini	Calabacín	<i>Cucurbita pepo</i> L.
NL	TWV	TG/172/4 Rev.	Industrial Chicory	Chicorée industrielle	Wurzelzichorie	Achicoria industrial	<i>Cichorium intybus</i> L. partim

#### Corrections to Test Guidelines

68. The TC noted the corrections to be made to the adopted Test Guidelines for *Statice* (document TG/168/4) and *Oncidium* (document TG/283/1 Rev. 2), as set out in document TC/60/2, paragraph 31:

(a) TG/168/4

The correction concerns the following items:

- Addition of missing Additional Standard Wording:
  - ASW 4 (c) - Observation of color by eye
 

“Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made

with the plant part placed against a white background. The color chart and version used should be specified in the variety description.”

- ASW 6 - Removal of plants or parts of plants  
“The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.”

(b) TG/283/1 Rev. 2 Oncidium

The correction concerns the following items:

- Addition of the missing link to explanation “(c)” to the following characteristics:
  - Characteristic 91 “Apical lobe of lip: cross section”
  - Characteristic 98 “Lip: color of callus”
  - Characteristic 99 “Lip: color of blotches surrounding callus”
- Correction of spelling of the following example varieties:
  - “Kaoli no Izumi” to read “Kaorinoizumi”
  - “Misaki Wave Yurara” to read “Misakiwaveyurara”
  - “Sakura no Sato” to read “Sakuranosato”
  - “Sunlight Siesta Ruru” to read “Sunlight Siesta Lulu”

*Draft Test Guidelines discussed by the TWPs in 2024*

69. The TC noted the 32 draft Test Guidelines discussed by the TWPs, at their sessions in 2024, as listed in document TC/60/2, Annex III.

*Draft Test Guidelines to be discussed by the TWPs in 2025*

70. The TC agreed with the program for the development of 41 new or revised Test Guidelines in 2025, as set out in document TC/60/2, Annex IV.

*Status of existing Test Guidelines or draft Test Guidelines*

71. The TC noted the list of existing Test Guidelines, as presented on the UPOV website (see: [https://www.upov.int/test\\_guidelines/en/list.jsp](https://www.upov.int/test_guidelines/en/list.jsp)).

*Superseded Test Guidelines*

72. The TC noted that the superseded versions of Test Guidelines are available on the “Superseded Test Guidelines” page of the UPOV website at: ([https://www.upov.int/test\\_guidelines/en/list\\_supersede.jsp](https://www.upov.int/test_guidelines/en/list_supersede.jsp))

Discussion on disease resistance characteristics in DUS examination

73. The TC received the following presentations on disease resistance characteristics in DUS examination:

Disease resistance characteristic in DUS examination - Introduction	UPOV (Mr. Leontino Taveira)
Disease resistance characteristic in DUS examination - Argentina	Argentina (Mr. Alberto Ballesteros)
Disease resistance characteristics in DUS examination: CPVO experience	European Union (Ms. Celine Morineau)
Current experience at GEVES concerning the use of disease resistance characteristics in DUS examination France	France (Ms. Clarisse Leclair)
Use of resistance characteristics in DUS in Germany	Germany (Ms. Swenja Tams)
Physiological characteristics and Disease resistance characteristics in PVP - Japan	Japan (Mr. Yoshiyuki Ohno)
Importance of disease resistance characteristics for DUS examination - Netherlands	Netherlands (Kingdom of the) (Mr. Raoul Haegens)
Disease resistance characteristics used in DUS examinations - United States of America	United States of America (Mr. Jeffery Haynes)

Disease Resistance Characteristics in DUS Examination: Breeders' Perspectives - ISF	International Seed Federation (Mr. Ben Rivoire)
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74. The TC agreed the following summary of discussions:

- Disease resistance characteristics are important for DUS. Examples were presented for vegetables and agricultural species.
- There may be different need for international harmonization through UPOV TGs, more clearly for vegetables.
- Complex interaction pathogen x environment x variety may require frequent review of characteristics in test guidelines, including technical questionnaires
- National, regional and international importance should be considered when deciding for whether to include disease resistance characteristics in test guidelines
- Clear definition and harmonization of methods is required for reliable descriptions (involvement of DUS experts, phytopathologists and breeders)
- Development of new technologies, e.g. molecular markers as alternative methods can improve testing
- Cooperation between authorities in disease resistance testing may be considered
- TWP sessions should be used to inform on developments and to consider inclusion in TGs or notification of additional characteristics in the UPOV webpage
- TWPs may consider addressing specific items on disease resistance characteristics in subgroups to advance discussions, including outside of TWP sessions

#### Matters for information

75. The TC noted that the following documents have been posted as documents for information on the TC/60 webpage:

- (a) List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability (document TC/60/4)
- (b) Meetings on Electronic Applications (EAM) (document SESSIONS/2024/4)

#### Program of work for the Enlarged Editorial Committee (TC-EDC)

76. The TC agreed to propose to the Council the following schedule of meetings for the TC-EDC:

- October 14 and 16, 2025 (virtual meetings)
- October 19 and 20, 2025 (Geneva, hybrid meetings)
- January 13 and 15, 2026 (virtual meetings)
- March 17 and 19, 2026 (virtual meetings)

#### Program for the sixty-first session

77. The TC agreed the following program for its sixty-first session to be held on October 20 and 21, 2025:

1. Opening of the session
2. Adoption of the agenda
3. Report by the Vice Secretary-General on developments in UPOV
4. Progress reports on the work of the Technical Working Parties
5. Matters arising from the Technical Working Parties
6. Development of guidance and documents proposed for adoption by the Council
7. Measures to enhance cooperation in examination
8. Measures to improve support provided for DUS examination
9. UPOV information databases
10. Molecular techniques
11. TWP workshops and webinars

12. Open discussion: New technologies in DUS examination
13. Matters for information:
  - (a) Meetings on Electronic Applications (EAM)
  - (b) List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability
14. Test Guidelines
15. Program for the sixty-second session
16. Adoption of the report (if time permits)
17. Closing of the session

*78. The TC adopted this report at the close of its session on October 22, 2024.*

[Annex I follows]

LIST OF PARTICIPANTS

I. MEMBRES / MEMBERS / VERBANDSMITGLIEDER / MIEMBROS

AFRIQUE DU SUD / SOUTH AFRICA / SÜDAFRIKA / SUDÁFRICA

Andani Robert MADZINGE (Mr.), Registrar: Plant Breeders' Rights Act, Directorate: Genetic Resources, Department of Agriculture, Land Reform and Rural Development, Pretoria  
(e-mail: AndaniMA@dalrrd.gov.za)

Sabelo Jerome NDLAZI (Mr.), Scientist Manager, Department of Agriculture, Land Reform & Rural Development: Genetic Resources, Pretoria  
(e-mail: SabeloNdl@dalrrd.gov.za)

Elna DE BRUYN (Ms.), Scientist Production: Plant Breeders' Rights Office, Department of Agriculture, Land Reform and rural Development, Pretoria  
(e-mail: elnadb@dalrrd.gov.za)

ALBANIE / ALBANIA / ALBANIEN / ALBANIA

Luiza SALLAKU (Ms.), Director, Ministry of Agriculture and Rural Development, Tirana  
(e-mail: Luiza.Sallaku@eshff.gov.al)

Alban ISUFI (Mr.), Head, Seed and Seedlings and Fertilizers Sector, Ministry of Agriculture and Rural Development, Tirana  
(e-mail: alban.isufi@bujqesia.gov.al)

ALLEMAGNE / GERMANY / DEUTSCHLAND / ALEMANIA

Beate RÜCKER (Ms.), Head of Division, Federal Plant Variety Office, Bundessortenamt, Hanover  
(e-mail: bsa@bundessortenamt.de)

Swenja TAMS (Ms.), Head of Section, General affairs of DUS testing, Bundessortenamt, Hanover  
(e-mail: bsa@bundessortenamt.de)

ARGENTINE / ARGENTINA / ARGENTINIEN / ARGENTINA

María Laura VILLAMAYOR (Sra.), Directora de Asuntos Jurídicos y Coordinadora de Relaciones Institucionales e Interjurisdiccionales, Instituto Nacional de Semillas (INASE), Secretaría de Agricultura, Ganadería, Pesca y Alimentación, Buenos Aires  
(e-mail: mlvillamayor@inase.gob.ar)

Ana Laura VICARIO (Sra.), Directora Nacional de Desarrollo de Semillas, Instituto Nacional de Semillas (INASE), Secretaría de Agricultura, Ganadería, Pesca y Alimentación, Buenos Aires  
(e-mail: alvicario@inase.gob.ar)

Mariano Alejandro MANGIERI (Mr.), Director, Plant Variety Protection Office, National Seed Institute (INASE), Secretaría de Agricultura, Ganadería, Pesca y Alimentación, Buenos Aires  
(e-mail: mmangieri@inase.gob.ar)

Alberto BALLESTEROS (Mr.), Examiner officer, Plant Variety Protection Office, Instituto Nacional de Semillas (INASE), Secretaría de Agricultura, Ganadería, Pesca y Alimentación, Buenos Aires  
(e-mail: aballesteros@inase.gob.ar)

AUSTRALIE / AUSTRALIA / AUSTRALIEN / AUSTRALIA

Isabel Louise WARD (Ms.), Assistant Director, Policy & International Affairs, IP Australia, Phillip  
(e-mail: Isabel.Ward@ipaaustralia.gov.au)

Van Hai LE (Mr.), Assistant Director, Plant Breeders' Rights Section, IP Australia, Phillip  
(e-mail: hai.le@ipaaustralia.gov.au)

AUTRICHE / AUSTRIA / ÖSTERREICH / AUSTRIA

Jutta TAFERNER-KRIEGL (Ms.), Head of department for DUS testing and Plant Variety Protection, Österreichische Agentur für Gesundheit und Ernährungssicherheit GmbH, Wien  
(e-mail: jutta.taferner-kriegl@ages.at)

BÉLARUS / BELARUS / BELARUS / BELARÚS

Uladzimir BEINIA (Mr.), Director, State Inspection for Testing and Protection of Plant Varieties, Minsk  
(e-mail: belsort@mail.ru)

Tatsiana SIAMASHKA (Ms.), Deputy Director, State Inspection for Testing and Protection of Plant Varieties, Minsk  
(e-mail: belsort@mail.ru)

Maryna SALADUKHA (Ms.), Deputy Head, International Cooperation Department, State Inspection for Testing and Protection of Plant Varieties, Minsk  
(e-mail: belsort@mail.ru)

BRÉSIL / BRAZIL / BRASILIEN / BRASIL

Stefânia PALMA ARAUJO (Ms.), Coordinator, Plant Variety Protection Office, National Plant Variety Protection Service, Serviço Nacional de Proteção de Cultivares (SNPC), Brasília  
(e-mail: stefania.araujo@agro.gov.br)

Maria José PARON (Ms.), Federal Agricultural Inspector, Ministry of Agriculture and Livestock, Brasília  
(e-mail: maria.paron@agro.gov.br)

CANADA / CANADA / KANADA / CANADÁ

Anthony PARKER (Mr.), Commissioner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa  
(e-mail: anthony.parker@inspection.gc.ca)

Marc DE WIT (Mr.), Policy and Program Team Leader, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa  
(e-mail: Marc.deWit@Inspection.gc.ca)

Ashley BALCHIN (Ms.), Senior Examiner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa  
(e-mail: ashley.balchin@inspection.gc.ca)

Renée CLOUTIER (Ms.), Examiner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa  
(e-mail: Renee.Cloutier@inspection.gc.ca)

CHILI / CHILE / CHILE / CHILE

Manuel Antonio TORO UGALDE (Sr.), Jefe Sección, Registro de Variedades Protegidas, Departamento de Semillas y Plantas, Servicio Agrícola y Ganadero (SAG), Santiago de Chile  
(e-mail: manuel.toro@sag.gob.cl)

CHINE / CHINA / CHINA / CHINA

Yehan CUI (Mr.), Chief Agronomist, Development Center of Science and Technology (DCST), Ministry of Agriculture and Rural Affairs (MARA), Beijing  
(e-mail: cuiyehan@agri.gov.cn)

Yongqi ZHENG (Mr.), Director, Laboratory of Molecular Identification of Plant Varieties, Science and Technology Development Center (Office for Protection of New Varieties of Plant), National Forestry and Grassland Administration of China (NFGA), Beijing  
(e-mail: zyq8565@126.com)

Hao TANG (Mr.), Division Director, Division of Plant Variety Protection, Development Center of Science and Technology, Ministry of Agriculture and Rural Affairs (MARA), Beijing  
(e-mail: tanghao1973@126.com)

Boxuan WU (Mr.), Senior Program Officer, International Cooperation Department, China National Intellectual Property Administration (CNIPA), Beijing  
(e-mail: wuboxuan@cnipa.gov.cn)

Yuxia LIU (Ms.), Consultant, Science and Technology Development Center, Office for Protection of New Varieties of Plants, National Forestry and Grassland Administration of China (NFGA), Beijing  
(e-mail: kjzxlyx@163.com)

COLOMBIE / COLOMBIA / KOLUMBIEN / COLOMBIA

Alfonso Alberto ROSERO (Sr.), Director Técnico de Semillas, Subgerencia de Protección Vegetal, Instituto Colombiano Agropecuario (ICA), Bogotá  
(e-mail: alberto.rosero@ica.gov.co)

DANEMARK / DENMARK / DÄNEMARK / DINAMARCA

Gerhard DENEKEN (Mr.), Director, Tystofte Foundation, Skaelskoer  
(e-mail: gde@tystofte.dk)

ÉGYPTE / EGYPT / ÄGYPTEN / EGIPTO

Shymaa ABOSHOSHA (Ms.), Agricultural Engineer, Plant Variety Protection Office (PVPO), Central Administration for Seed Testing and Certification (CASC), Giza  
(e-mail: sh\_z9@hotmail.com)

ESPAGNE / SPAIN / SPANIEN / ESPAÑA

Carlos SANZ ZUDAIRE (Mr.), Head of Registry, Oficina Española de Variedades Vegetales (MPA y OEVV), Madrid  
(e-mail: csanz@mapa.es)

Cristina MOYANO (Ms.), Head, Plant pathology laboratory, INIA-CSIC, Madrid  
(e-mail: cardaba@inia.csic.es)

ESTONIE / ESTONIA / ESTLAND / ESTONIA

Laima PUUR (Ms.), Adviser, Organic Farming and Seed Department, Estonian Agricultural and Food Board, Viljandi  
(e-mail: laima.puur@pta.agri.ee)

ÉTATS-UNIS D'AMÉRIQUE / UNITED STATES OF AMERICA / VEREINIGTE STAATEN VON AMERIKA / ESTADOS UNIDOS DE AMÉRICA

Nyeemah GRAZIER (Ms.), Patent Attorney-Advisor, Office of Policy and International Affairs (OPIA), U.S. Department of Commerce, Alexandria  
(e-mail: nyeemah.grazier@uspto.gov)

Christian HANNON (Mr.), Senior Patent Attorney, Office of Policy and International Affairs (OPIA), United States Patent and Trademark Office (USPTO), Alexandria  
(e-mail: christian.hannon@uspto.gov)

Ruihong GUO (Ms.), Deputy Administrator, AMS, Science & Technology Program, United States Department of Agriculture (USDA), Washington D.C.  
(e-mail: ruihong.guo@usda.gov)

Jeffery HAYNES (Mr.), Commissioner, Plant Variety Protection Office, AMS, Science & Technology Program, United States Department of Agriculture (USDA), Washington D.C.  
(e-mail: Jeffery.Haynes@usda.gov)

FRANCE / FRANCE / FRANKREICH / FRANCIA

Alain TRIDON (M.), Directeur Général, Groupe d'Étude et de Contrôle des Variétés et des Semences (GEVES), Beaucauzé  
(e-mail: alain.tridon@geves.fr)

Clarisse LECLAIR (Ms.), Head of DUS Testing, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Beaucauzé  
(e-mail: clarisse.leclair@geves.fr)

Carole DIRWIMMER (Ms.), Head of the Fruit DUS sector, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Beaucauzé  
(e-mail: carole.dirwimmer@geves.fr)

Jaiana MALABARBA (Ms.), Directrice du Laboratoire de Pathologie, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Beaucauzé  
(e-mail: jaiana.malabarba@geves.fr)

Sophie PERROT (Ms.), Manager Resistance tests, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Beaucauzé  
(e-mail: sophie.perrot@geves.fr)

Chrystelle JOUY (Ms.), Vegetable DUS Expert, Groupe d'Étude et de contrôle des Variétés et des Semences (GEVES), Le Thor  
(e-mail: chrystelle.jouy@geves.fr)

GHANA / GHANA / GHANA / GHANA

Maud Ofaah YEBOAH (Ms.), State Attorney, Attorney General's & Ministry of Justice, Accra  
(e-mail: graceissahaque@hotmail.com)

Grace Ama ISSAHAQUE (Ms.), Registrar-General, Ministry of Justice, Accra  
(e-mail: graceissahaque@hotmail.com)

Courage BESAH-ADANU (Mr.), Head of PVP Unit, Senior Programs Officer, Ghana Industrial Property Office, Registrar General's Department, Accra  
(e-mail: kadanu2@gmail.com)

HONGRIE / HUNGARY / UNGARN / HUNGRÍA

Tamara SOÓS (Ms.), Head, Unit of Plant Genetic Resources, Ministry of Agriculture, Budapest  
(e-mail: tamara.soos@am.gov.hu)

Lilla RÁCZ-SZABÓ (Ms.), Expert, Ministry of Agriculture, Budapest  
(e-mail: lilla.racz-szabo@am.gov.hu)

Márton PÉCS (Mr.), Agricultural IT Expert, Department of Agricultural Variety Trials, Directorate of Agricultural Genetic Resources, National Food Chain Safety Office (NÉBIH), Budapest  
(e-mail: pecsm@nebih.gov.hu)

ITALIE / ITALY / ITALIEN / ITALIA

Pier Giacomo BIANCHI (Mr.), Scientific Coordinator Seed Area, CREA-DC, Milano  
(e-mail: piergiacomo.bianchi@crea.gov.it)

Anna Pia Maria GIULINI (Ms.), Researcher, CREA DC, Milano  
(e-mail: annapiamaria.giulini@crea.gov.it)

JAPON / JAPAN / JAPAN / JAPÓN

Shuichi MATSUMOTO (Mr.), Senior Director, Intellectual Property Division, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo  
(e-mail: shuichi\_matsumoto040@maff.go.jp)

Minori HAGIWARA (Ms.), Director for International Affairs on Plant Variety Protection, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo  
(e-mail: minori\_hagiwara110@maff.go.jp)

Hiroaki KINOSHITA (Mr.), International Relation Officer, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo  
(e-mail: hiroaki\_kinoshita640@maff.go.jp)

Yoshiyuki OHNO (Mr.), Examiner, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo  
(e-mail: yoshiyuki\_ono300@maff.go.jp)

Hiroshi AKAI (Mr.), First Secretary, Permanent Mission of Japan to the United Nations Office and other international organizations in Geneva, Geneva  
(e-mail: hiroshi.akai@mofa.go.jp)

KENYA / KENYA / KENIA / KENYA

Theophilus M. MUTUI (Mr.), Managing Director, Kenya Plant Health Inspectorate Service (KEPHIS), Nairobi  
(e-mail: director@kephis.org)

LETTONIE / LATVIA / LETTLAND / LETONIA

Inga OVSJANNIKA (Ms.), Deputy Director, Division of Seed Certification and Plant Variety Protection, Seed Control Department, State Plant Protection Service, Riga  
(e-mail: inga.ovsjannika@vaad.gov.lv)

MAROC / MOROCCO / MAROKKO / MARRUECOS

Zoubida TAOUSSI (Mme), Responsable de la protection des obtentions végétales, Office National de Sécurité Sanitaire de Produits Alimentaires (ONSSA), Rabat  
(e-mail: ztaoussi67@gmail.com)

MEXIQUE / MEXICO / MEXIKO / MÉXICO

Víctor Manuel VÁSQUEZ NAVARRETE (Sr.), Director de área, Servicio Nacional de Inspección y Certificación de Semillas (SNICS), Secretaria de Agricultura y Desarrollo Rural (Agricultura), Ciudad de México

(e-mail: victor.vasquez@agricultura.gob.mx)

Rodrigo Alonso LÓPEZ TOVAR (Mr.), Second Secretary, Permanent Mission, Geneva

(e-mail: rlopez@sre.gob.mx)

NOUVELLE-ZÉLANDE / NEW ZEALAND / NEUSEELAND / NUEVA ZELANDIA

Christopher James BARNABY (Mr.), PVR Manager / Assistant Commissioner, Plant Variety Rights Office, Intellectual Property Office of New Zealand, Ministry of Economic Development, Christchurch

(e-mail: Chris.Barnaby@pvr.govt.nz)

ORGANISATION AFRICAINE DE LA PROPRIÉTÉ INTELLECTUELLE (OAPI) / AFRICAN INTELLECTUAL PROPERTY ORGANIZATION (OAPI) / AFRIKANISCHE ORGANISATION FÜR GEISTIGES EIGENTUM (OAPI) / ORGANIZACIÓN AFRICANA DE LA PROPIEDAD INTELECTUAL (OAPI)

Guy Francis BOUSSAFOU (M.), Direction des Brevets et autres créations techniques (DBCT), Yaoundé, Cameroun

(e-mail: gfrancis.boussafou@oapi.int)

Vladimir Ludovic MEZUI ONO (M.), Chef de Service de l'Information Brevet (SIB), Examineur Brevet Chimie, Yaoundé, Cameroun

(e-mail: vladimir.mezui@oapi.int)

PARAGUAY / PARAGUAY / PARAGUAY / PARAGUAY

Santiago Gaspar BENÍTEZ VERA (Sr.), Director, Dirección de Semillas (DISE), Servicio Nacional de Calidad y Sanidad Vegetal y de Semillas (SENAVE), San Lorenzo

(e-mail: santiago.benitez@senave.gov.py)

Dahiana Maria OVEJERO MALDONADO (Sra.), Jefa, Departamento de Protección y Uso de Variedades, Dirección de Semillas (DISE), Servicio Nacional de Calidad y Sanidad Vegetal y de Semillas (SENAVE), San Lorenzo

(e-mail: dahiana.ovejero@senave.gov.py)

PAYS-BAS (ROYAUME DES) / NETHERLANDS (KINGDOM OF THE) / NIEDERLANDE (KÖNIGREICH DER) / PAÍSES BAJOS (REINO DE LOS)

Jan MEILING (Mr.), Director, Naktuinbouw, Roelofarendsveen

(e-mail: j.meiling@naktuinbouw.nl)

Marco HOFFMAN (Mr.), Senior Policy Officer, Naktuinbouw, Roelofarendsveen

(e-mail: m.hoffman@naktuinbouw.nl)

Raoul HAEGENS (Mr.), Domain Head of the Identity and Variety Testing Department, Naktuinbouw, Roelofarendsveen

(e-mail: r.haegens@naktuinbouw.nl)

POLOGNE / POLAND / POLEN / POLONIA

Marcin KRÓL (Mr.), Head of DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka

(e-mail: m.Krol@coboru.gov.pl)

Joanna GRUSZCZYŃSKA (Ms.), Deputy Head of DUS Testing Unit, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka

(e-mail: j.gruszczynska@coboru.gov.pl)

Bogna KOWALCZYK (Ms.), Chief DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka

(e-mail: b.kowalczyk@coboru.gov.pl)

Malgorzata FRANKOWSKA (Ms.), Senior DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka

(e-mail: m.frankowska@coboru.gov.pl)

Angelika KACZMAREK (Ms.), Senior DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka

(e-mail: a.kaczmarek@coboru.gov.pl)

Małgorzata WŁOSZCZYK (Ms.), Senior DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka  
(e-mail: m.wloszczyk@coboru.gov.pl)

Natalia MATELA (Ms.), DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka  
(e-mail: N.Matela@coboru.gov.pl)

Tomasz PIOTROWSKI (Mr.), DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Słupia Wielka  
(e-mail: T.Piotrowski@coboru.gov.pl)

PORTUGAL / PORTUGAL / PORTUGAL / PORTUGAL

Anabela ROCHA (Ms.), Senior expert, Plant Breeder Rights Office and National List, Divisão de Variedades e Sementes (DVS), Direção-Geral de Alimentação e Veterinária (DGAV), Lisboa  
(e-mail: anabelarocha@dgav.pt)

RÉPUBLIQUE DE CORÉE / REPUBLIC OF KOREA / REPUBLIK KOREA / REPÚBLICA DE COREA

Jun Yon JANG (Mr.), Deputy Director, Korea Seed and Variety Service (KSVS), Gyeongsangbuk-do  
(e-mail: jang.jy@korea.kr)

Yong Seok JANG (Mr.), Deputy Director, Plant Variety Protection Division, National Forest Seed Variety Center (NFSV), Chungcheongbukdo  
(e-mail: mushrm@korea.kr)

ChanWoong PARK (Mr.), Deputy Director/Examiner, Plant Variety Protection Division, Korea Seed and Variety Service (KSVS), Gyeongsangbuk-do  
(e-mail: chwopark@korea.kr)

Jinkee JUNG (Mr.), Researcher, Plant Variety Protection Division, Korea Seed and Variety Service (KSVS), Ministry of Agriculture, Food and Rural Affairs (MAFRA), Gimcheon City  
(e-mail: jinkeejung@korea.kr)

Kwanghong LEE (Mr.), Researcher, Korea Seed and Variety Service (KSVS), Maryang  
(e-mail: grin@korea.kr)

Won-Bum CHO (Mr.), Forest Researcher, Plant Variety Protection Division, National Forest Seed Variety Center (NFSV), Chungcheongbuk-do  
(e-mail: rudis99@korea.kr)

Hwansu HWANG (Mr.), Forest Researcher, Plant Variety Protection Division, National Forest Seed Variety Center (NFSV), Chungcheongbuk-do  
(e-mail: hwansu3368@korea.kr)

Byeung-Hoon YANG (Mr.), Researcher, National Forest Seed Variety Center (KFSV), Chungcheongbuk-do  
(e-mail: time1227@korea.kr)

RÉPUBLIQUE DE MOLDOVA / REPUBLIC OF MOLDOVA / REPUBLIK MOLDAU / REPÚBLICA DE MOLDOVA

Mihail MACHIDON (Mr.), Director, State Commission for Crops Variety Testing (SCCVT), Chisinau  
(e-mail: info@cstsp.md)

Ala GUSAN (Ms.), Principal Consultant, Patents Division, State Agency on Intellectual Property of the Republic of Moldova (AGEPI), Chisinau  
(e-mail: ala.gusan@agepi.gov.md)

RÉPUBLIQUE DOMINICAINE / DOMINICAN REPUBLIC / DOMINIKANISCHE REPUBLIK / REPÚBLICA DOMINICANA

Octavio Augusto BERAS-GOICO JUSTINIANO (Sr.), Encargado del Departamento Legal, Oficina de Registro de Variedades y Obtenciones Vegetales (OREVADO), Santo Domingo  
(e-mail: octavio.beras-goico@agricultura.gob.do)

RÉPUBLIQUE TCHÈQUE / CZECH REPUBLIC / TSCHECHISCHE REPUBLIK / REPÚBLICA CHECA

Andrea POVOLNÁ (Ms.), Head of DUS Department, National Plant Variety Office, Central Institute for Supervising and Testing in Agriculture (ÚKZÚZ), Brno  
(e-mail: andrea.povolna@ukzuz.cz)

Pavla BÍMOVÁ (Ms.), General affairs of DUS testing, National Plant Variety Office, Central Institute for Supervising and Testing in Agriculture (ÚKZÚZ), Brno  
(e-mail: pavla.bimova@ukzuz.gov.cz)

RÉPUBLIQUE-UNIE DE TANZANIE / UNITED REPUBLIC OF TANZANIA /  
VEREINIGTE REPUBLIK TANSANIA / REPÚBLICA UNIDA DE TANZANÍA

Patrick NGWEDIAGI (Mr.), Director General, Tanzania Official Seed Certification Institute (TOSCI), Morogoro  
(e-mail: dg@tosci.go.tz)

Joyce Eligi MOSILE (Ms.), Principal Agricultural Officer II, Plant Breeders' Rights Office, Ministry of Agriculture (MoA), Dodoma  
(e-mail: Joyce.mosile@kilimo.go.tz)

ROUMANIE / ROMANIA / RUMÄNIEN / RUMANIA

Teodor Dan ENESCU (Mr.), Counsellor, State Institute for Variety Testing and Registration (ISTIS), Bucarest  
(e-mail: enescu\_teodor@istis.ro)

ROYAUME-UNI / UNITED KINGDOM / VEREINIGTES KÖNIGREICH / REINO UNIDO

Kat DEEKS (Ms.), Plant Variety and seeds policy Team Leader, Department for Environment, Food and Rural Affairs (Defra), Cambridge  
(e-mail: katherine.deeks@defra.gov.uk)

Sigurd RAMANS-HARBOROUGH (Mr.), Senior Policy Advisor, Plant Varieties and Seeds, Department for Environment, Food and Rural Affairs (Defra), Cambridge  
(e-mail: Sigurd.RamansHarborough@defra.gov.uk)

Peter SCOTTING (Mr.), Lead on Plant Breeders Rights and Variety Listing, Animal and Plant Health Agency (APHA), Cambridge  
(e-mail: peter.scotting@apha.gov.uk)

John HOWLETT (Mr.), Head of Plant Variety and Seeds (PVS), Animal and Plant Health Agency (APHA), Cambridge  
(e-mail: john.howlett@apha.gov.uk)

Caroline POWER (Ms), PBH Subject Matter Expert for Delivering Sustainable Futures Programme, Senior Executive Officer (TARA), Animal and Plant Health Agency (APHA), Cambridge  
(e-mail: caroline.power@apha.gov.uk)

Hilary PAPWORTH (Ms.), Senior Technical Manager, NIAB, Cambridge  
(e-mail: hilary.papworth@niab.com)

Margaret WALLACE (Ms.), Joint Head of Agricultural Crop Characterisation, NIAB, Cambridge  
(e-mail: margaret.wallace@niab.com)

SERBIE / SERBIA / SERBIEN / SERBIA

Gordana LONCAR (Ms.), Senior Adviser for Plant Variety protection, Plant Protection Directorate, Group for Plant Variety Protection and Biosafety, Ministry of Agriculture, Forestry and Water Management, Belgrade  
(e-mail: gordana.loncar@minpolj.gov.rs)

SLOVAQUIE / SLOVAKIA / SLOWAKEI / ESLOVAQUIA

Lubomir BASTA (Mr.), Head of DUS testing, Department of Variety Testing, Central Control and Testing Institute in Agriculture (ÚKSÚP), Bratislava  
(e-mail: lubomir.basta@uksup.sk)

SUISSE / SWITZERLAND / SCHWEIZ / SUIZA

Manuela BRAND (Ms.), Plant Variety Rights Office, Plant Health and Varieties, Office fédéral de l'agriculture (OFAG), Bern  
(e-mail: manuela.brand@blw.admin.ch)

TUNISIE / TUNISIA / TUNESIEN / TÚNEZ

Omar BRAHMI (M.), Ingénieur en chef, Chef service Évaluation, Homologation et Protection des Obtentions Végétales, Direction Générale de la Santé Végétale et de Contrôle des Intrants Agricoles, Ministère de l'Agriculture, des Ressources Hydrauliques et de la Pêche, Tunis  
(e-mail: bo.dgpcqpa@iresa.agrinet.tn)

TÜRKIYE / TÜRKIYE / TÜRKEL / TÜRKIYE

Sezgin KARADENİZ (Mr.), Head, Seed Policies Department and PBR Office, General Directorate of Plant Production, Ankara

(e-mail: sezgin.karadeniz@tarimorman.gov.tr)

Mehmet ÇAKMAK (Mr.), PBR Expert, Senior Agricultural Engineer, Msc., Seed Department, General Directorate of Plant Production, Ministry of Agriculture and Forestry, Ankara

(e-mail: mehmet.cakmak@tarimorman.gov.tr)

Koray KALAY (Mr.), Forestry Nursery Manager, Turkish General Directorate of Forestry, Ankara

(e-mail: koraykalay@ogm.gov.tr)

UNION EUROPÉENNE / EUROPEAN UNION / EUROPÄISCHE UNION / UNIÓN EUROPEA

Tamara SOÓS (Ms.), Head, Unit of Plant Genetic Resources, Ministry of Agriculture, Budapest

(e-mail: tamara.soos@am.gov.hu)

Lilla RÁCZ-SZABÓ (Ms.), Expert, Ministry of Agriculture, Budapest

(e-mail: lilla.racz-szabo@am.gov.hu)

Päivi MANNERKORPI (Ms.), Team Leader - Plant Reproductive Material, Unit G1 Plant Health, Directorate General for Health and Food Safety (DG SANTE), European Commission, Brussels

(e-mail: paivi.mannerkorpi@ec.europa.eu)

Spyridon FLEVARIS (Mr.), Policy Officer, Plant Health Unit, European Commission - Health and Food Safety Directorate-General - Directorate Crisis preparedness in food, animals and plants, Brussels

(e-mail: spyridon.flevaris@ec.europa.eu)

Nuria URQUÍA FERNÁNDEZ (Ms.), Vice President, Community Plant Variety Office (CPVO), Angers

(e-mail: urquia@cpvo.europa.eu)

Dirk THEOBALD (Mr.), Senior Adviser, Community Plant Variety Office (CPVO), Angers

(e-mail: theobald@cpvo.europa.eu)

Jean MAISON (Mr.), Head of Unit ad interim, Plant Variety Expertise Unit, Community Plant Variety Office (CPVO), Angers

(e-mail: maison@cpvo.europa.eu)

Céline MORINEAU (Ms.), Technical Expert, Community Plant Variety Office (CPVO), Angers

(e-mail: morineau@cpvo.europa.eu)

URUGUAY / URUGUAY / URUGUAY / URUGUAY

Federico BOSCHI (Mr.), Técnico, Evaluación y Registro de Cultivares, Instituto Nacional de Semillas (INASE), Canelones

(e-mail: fboschi@inase.uy)

VIET NAM / VIET NAM / VIETNAM / VIET NAM

Quoc Manh NGUYEN (Mr.), Deputy Director General, Plant Variety Protection Office, Department of Crop Production (DCP), Ministry of Agriculture and Rural Development (MARD), Hanoi

(e-mail: quocmanh.pvp.vn@gmail.com)

Thi Hang CAM (Ms.), Officer, Department of Crop Production (DCP), Plant Variety Protection Office (PVPO), Ministry of Agriculture and Rural Development (MARD), Hanoi

(e-mail: pvpvietnam@mard.gov.vn)

II. OBSERVATEURS / OBSERVERS / BEOBACHTER / OBSERVADORES

KAZAKHSTAN / KAZAKHSTAN / KASACHSTAN / KAZAJSTÁN

Talgat AZHGALIYEV (Mr.), Chairman, State Commission for Variety Testing of Agricultural Crops (RSI), Ministry of Agriculture, Nur-Sultan

(e-mail: office@sortcom.kz)

Ademi GABDOLA (Ms.), Head of patentability examination department, State Commission for variety testing of agricultural crops, Nur-Sultan

(e-mail: for\_work\_15@mail.ru)

THAÏLANDE / THAILAND / THAILAND / TAILANDIA

Sakon WANASETHI (Mr.), Minister Counsellor, Permanent Mission, Geneva

(e-mail: sakon@thaiwto.com)

Pornpimol SUGANDHAVANIJA (Ms.), Deputy Permanent Representative, Permanent Mission, Geneva  
(e-mail: pornpimol@thaiwto.com)

#### ZIMBABWE / ZIMBABWE / SIMBABWE / ZIMBABWE

Chenai GARISE (Ms.), Deputy Director, Legal Advisory Department, Ministry of Lands, Agriculture, Fisheries, Water and Rural Development, Harare  
(e-mail: cgarisenheta@gmail.com)

Edmore MTETWA (Mr.), Head of Seed Services Institute, Registrar of Plant Breeders' Rights, Department of Research & Specialist Services, Seed Services Institute, Harare  
(e-mail: mtetwae@gmail.com)

### III. ORGANISATIONS / ORGANIZATIONS / ORGANISATIONEN / ORGANIZACIONES

#### COMMUNAUTÉ INTERNATIONALE DES OBTENTEURS DE PLANTES HORTICOLES À REPRODUCTION ASEXUÉE (CIOPORA) / INTERNATIONAL COMMUNITY OF BREEDERS OF ASEXUALLY REPRODUCED HORTICULTURAL PLANTS (CIOPORA) / INTERNATIONALE GEMEINSCHAFT DER ZÜCHTER VEGETATIV VERMEHRBARER GARTENBAULICHER PFLANZEN (CIOPORA) / COMUNIDAD INTERNACIONAL DE OBTENTORES DE PLANTAS HORTÍCOLAS DE REPRODUCCIÓN ASEJUADA (CIOPORA)

Sabrina ALCOFORADO GALE (Ms.), Junior IP Lawyer, International Community of Breeders of Asexually Reproduced Horticultural Plants (CIOPORA), Hamburg, Germany  
(e-mail: sabrina.gale@ciopora.org)

#### CROPLIFE INTERNATIONAL

Marcel BRUINS (Mr.), Consultant, CropLife International, Bruxelles, Belgium  
(e-mail: marcel@bruinsseedconsultancy.com)

#### EUROSEEDS

Claudius MARONDEDZE (Mr.), Technical Manager Plant Health and Seed Trade, Euroseeds, Brussels, Belgium  
(e-mail: claudiusmaronedze@euroseeds.eu)

Jared ONSANDO (Mr.), Technical Manager Variety Testing and Registration, Brussels, Belgium  
(e-mail: JaredOnsando@euroseeds.eu)

#### INTERNATIONAL SEED FEDERATION (ISF)

Ben RIVOIRE (Mr.), Sustainability and Crop Value Chain Manager, Field Crops Technical Lead, International Seed Federation (ISF), Nyon, Switzerland  
(e-mail: b.rivoire@worldseed.org)

Maria José VILLALÓN-ROBLES (Ms.), EMEA Vegetable Seeds PVP Lead, Bayer - Crop Science, Bergschenhoek, Netherlands (Kingdom of the)  
(e-mail: mariajose.villalonrobles@bayer.com)

Astrid M. SCHENKEVELD (Ms.), Specialist Plant breeder's rights & variety registration, Plant breeder's rights & variety registration | Legal, Rijk Zwaan Zaadteelt en Zaadhandel B.V., De Lier, Netherlands (Kingdom of the)  
(e-mail: a.schenkeveld@rijkszwaan.nl)

Jan KNOL (Mr.), Plant Variety Protection Officer, Crop Science Division, BASF Vegetable Seeds, Nunhems Netherlands B.V., Nunhem, Netherlands (Kingdom of the)  
(e-mail: jan.knol@basf.com)

Kim MAESSEN-VAN BUGGENUM (Ms.), Plant Variety Protection Officer, BASF Vegetable Seeds, Crop Science Division, Nunhem, Netherlands (Kingdom of the)  
(e-mail: Kim.vanbuggenum@basf.com)

ORGANISATION DE COOPÉRATION ET DE DÉVELOPPEMENT ÉCONOMIQUES (OCDE) /  
ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD) /  
ORGANISATION FÜR WIRTSCHAFTLICHE ZUSAMMENARBEIT UND ENTWICKLUNG (OECD) /  
ORGANIZACIÓN DE COOPERACIÓN Y DESARROLLO ECONÓMICO

Csaba GASPAR (Mr.), Head, OECD Codes and Schemes, Organisation for Economic Co-operation and Development (OECD), Paris, France  
(e-mail: csaba.gaspar@oecd.org)

ORGANISATION RÉGIONALE AFRICAINE DE LA PROPRIÉTÉ INTELLECTUELLE (ARIPO) /  
AFRICAN REGIONAL INTELLECTUAL PROPERTY ORGANIZATION (ARIPO) /  
AFRIKANISCHE REGIONALORGANISATION FÜR GEWERBLICHES EIGENTUM (ARIPO)  
ORGANIZACIÓN REGIONAL AFRICANA DE LA PROPIEDAD INTELECTUAL (ARIPO)

Said H. RAMADHAN (Mr.), Senior Patent Examiner, Technical Department, African Regional Intellectual Property Organization (ARIPO), Harare, Zimbabwe  
(e-mail: sramadhan@aripo.org)

SEED ASSOCIATION OF THE AMERICAS (SAA)

Diego A. RISSO DESIRELLO (Sr.), Director Ejecutivo, Seed Association of the Americas (SAA), Montevideo  
(e-mail: drisso@saaseed.org)

IV. BUREAU / OFFICER / VORSITZ / OFICINA

Beate RÜCKER (Ms.), Chair  
Nuria URQUÍA FERNÁNDEZ (Ms.), Vice-Chair

V. BUREAU DE L'UPOV / OFFICE OF UPOV / BÜRO DER UPOV / OFICINA DE LA UPOV

Yolanda HUERTA (Ms.), Vice Secretary-General  
Martin EKVAD (Mr.), Director of Legal Affairs  
Leontino TAVEIRA (Mr.), Director of Global Development and Technical Affairs  
Hend MADHOUR (Ms.), Head of IT  
Yoshiro NISHIMURA (Mr.), Technical/Regional Officer (Asia)  
Kees VAN ETTEKOVEN (Mr.), Technical Expert  
Romy OERTEL (Ms.), Secretary II

[Annex II follows]

AMENDMENTS TO THE TEST GUIDELINES  
CIRCULATED FOR ADOPTION BY CORRESPONDENCE

*Partial revisions*

<b>TC/59/16</b>	<b>Partial revision of the Test Guidelines for Industrial Chicory</b>
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The TC-EDC considered document TC/59/16 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 partial revision of the Test Guidelines for Industrial Chicory be circulated to the TC for adoption by correspondence.

Char. 1	- to be indicated MS/MG/VG - to delete state "polyploid"
Ad. 1	- to read "Observations should be made by standard cytological methods such as ..."

<b>TC/59/18</b>	<b>Partial revision of the Test Guidelines for Lettuce</b>
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The TC-EDC considered document TC/59/18 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 partial revision of the Test Guidelines for Lettuce be circulated to the TC for adoption by correspondence.

Ad. 38 to 53, 8.8	to read "... ; 2 days in refrigerator"
Ad. 38 to 53, 9.1	to read "at least 20 plants"
Ad. 38 to 53, 9.7	to read "... seedlings should not be etiolated.
Ad. 38 to 53, 11.3	- to replace "on standards" by "Validation on controls" - to read "if varieties show the same level of sporulation as the susceptible control but with necrosis, another test on bigger plants or another substrate must be undertaken.
Ad. 38 to 53, 13.	text underneath caption to read "The brackets indicate a lower and sometimes variable level of expression of the symptoms."

<b>TC/59/20</b>	<b>Partial revision of the Test Guidelines for Melon</b>
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The TC-EDC considered document TC/59/20 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 partial revision of the Test Guidelines for Melon be circulated to the TC for adoption by correspondence.

Ad. 69.1 - 69.3, 5.	to add link for footnote <sup>4</sup> : <a href="https://worldseed.org/document/melon-fusarium-wilt-fom-isf-project-report/">https://worldseed.org/document/melon-fusarium-wilt-fom-isf-project-report/</a>
Ad. 69.1 - 69.3, 8.8	to read "Between 4 to 8 hours ..."
Ad. 69.1 - 69.3, 9.1	to read "at least 30 plants, it is important to have at least 5 non-inoculated plants per variety to be able to assess the growth reduction"

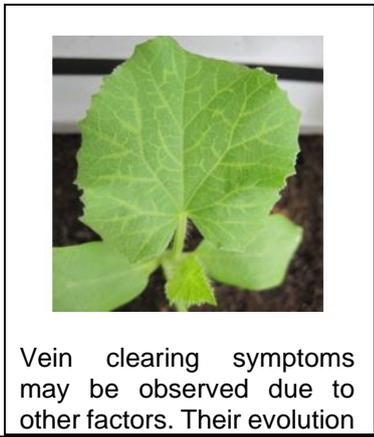
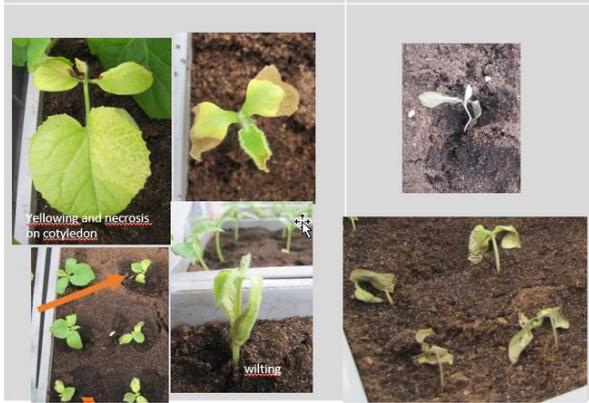
Ad. 69.1 -  
69.3, 9.9  
Ad. 69.1 -  
69.3, 11.

to read "Recommended temperatures 18°C at night ..."

to use updated illustrations (see comment on mocks under Ad. 69.4, 12):

Non inoculated plants = mock	Class 0	Class 1
At least 5 plants	Healthy plant: no symptoms of yellowing or wilting. Slight growth reduction may occur due to inoculation stress. Yellowing different from Fusarium symptoms may sometimes be occur in non-inoculated plants.	Light symptoms of yellowing/wilting
		

Class 2	Class 3
typical symptoms : yellowing, wilting and necrosis, stunting (growth stopped)	Death of plant (Dead)



over time should be assessed.

Courtesy of GEVES-SNES in the framework of CPVO Harmores project.

Ad. 69.1 - 69.3, 12.

- to read "For varieties with ... In case of an inconclusive results, ... retest or test in another lab."

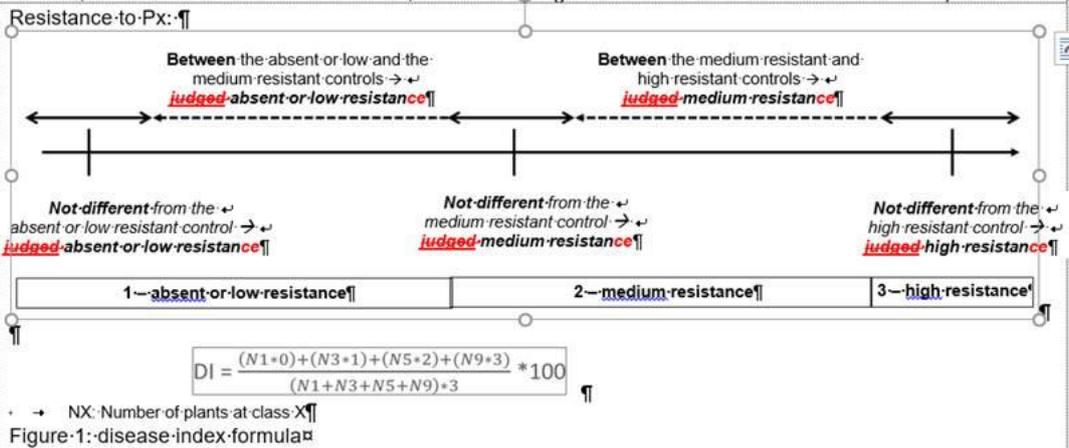
- to delete graph

Ad. 69.4, 12.

- to delete graph

Ad. 70.1 – 70.5,

graph to be modified as follows:



Ad. 69.4, 11.2

to use updated illustrations clarifying that non-inoculated plants are mocks:

<u>Non-inoculated plants</u> = mock	Class 0	Class 1
Varieties must be compared to the non-inoculated plants.	Healthy plant, the whole plant is green or at the same level than the mock. Just a light yellowing can be accepted on the mock	Light level of symptoms, light yellowing on cotyledons and/or leaves without necrosis
		
		

Class 2	Class 3	Class 4
Moderate level of symptoms, yellowing on cotyledon and/or leaves, starting of necrosis and wilting but not extended	Severe symptoms of yellowing and/or wilting on cotyledons and/or leaves with extended necrosis	Dead plant, no green leaf part or hypocotyl is dry
		
Ad. 70.1 - 70.5, 8.2	to read "Susceptible variety, for example Védraçais. For higher isolates like 3.5 or 5, a multiplication variety with defeated resistance may be preferable to keep the isolate fit."	
Ad. 70.1 to 70.5, 9.1	to read "At least 20 plants per variety and controls. Also add 5 plants for other differentials to validate the identity of the Px race tested."	
Ad. 70.1 to 70.5, 9.4	to read "Include at least 5 plants per differential to validate the race and compare the level of sporulation."	

**TC/59/22 Partial revision of the Test Guidelines for Spinach**

The TC-EDC considered document TC/59/22 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 partial revision of the Test Guidelines for Spinach be circulated to the TC for adoption by correspondence.

Char. 17	to read "Plant: shape of pseudo fruits"
Ad. 17	<p>- to read "Observations should be made on the plant when the pseudo fruits are fully developed, on female and monoecious plants. Varieties may consist of only plants with round pseudo fruits (note 1), only plants with spined pseudo fruits (note 3) or of both plants with round pseudo fruits as well as plants with spined pseudo fruits (note 2). In hybrid varieties, the characteristic may segregate. If the segregation occurs in the predicted manner, the variety should be classified as "plants with round pseudo fruits and plants with spined pseudo fruits" (note 2)."</p> <p>- to replace current illustration for spined pseudo fruit with the following one:</p> 

**TC/59/24 Partial revision of the Test Guidelines for Vegetable Marrow, Squash**

The TC-EDC considered document TC/59/25 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 partial revision of the Test Guidelines for Vegetable Marrow, Squash be circulated to the TC for adoption by correspondence.

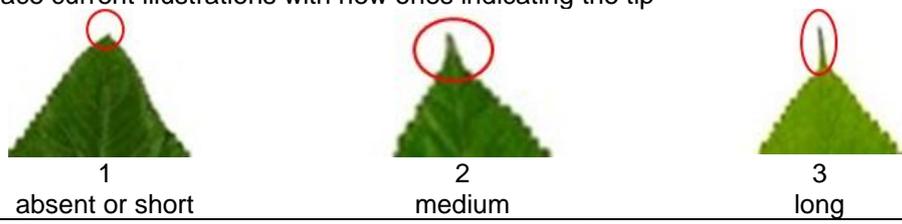
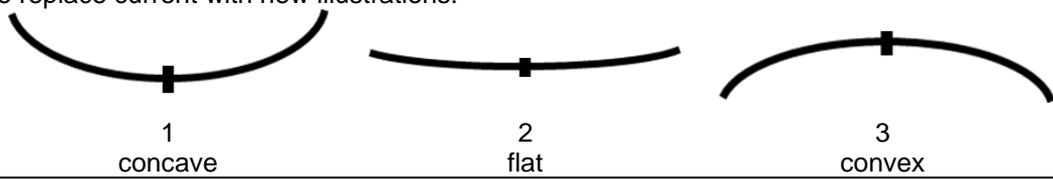
Ad. 83, 12.	to delete graph
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New Test Guidelines

<b>TG/MORUS(proj.6)</b>	<b>Mulberry (<i>Morus L.</i>)</b>
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The TC-EDC considered document TG/MORUS(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 draft Test Guidelines for Mulberry be circulated to the TC for adoption by correspondence.

3.1.4	to follow the new ASW 3 (see SESSIONS/2023/2)
3.3.2	to be deleted (not applicable)
4.1.4	to delete “at least” from second paragraph
Chars. 3	to read “Tree: number of current year’s shoots”
Char. 6	to delete “habit”
Char. 11	to move state “ovate” to become state 1
Char. 13	to have states (1) two in one, (2) three in one, (3) five in two, (4) eight in three, (5) thirteen in five
Char. 14	to read “Leaf blade: attitude”
Char. 19, 20	to invert order of chars. 19 and 20
Char. 22	- state 3 to read “slightly cordate” - state 4 to read “strongly cordate”
Char. 23	to delete “presence of”
Char. 24	to underline “Only varieties with lobes present”
Char. 27	to delete “of surface”
Char. 33	to read “Plant: sex expression”
Char. 34	to underline and read “Excluding male varieties”
Char. 40	state 7 to read “blackish purple”
8.1 (b)	to read “Observations should be made on the largest leaf on the upper third of the shoot at harvest time.”
8.1 (c)	to read “Observations should be made at time of full flowering.”
8.1 (d)	to read “Observations should be made at time of full maturity.”
Ad. 7	to read “Twisting is a three-dimensional characteristic whereby the shoot is bent, curled or has a distorted shape.”
Ad. 9	- to replace “Top” with “Tip” - to read “Observations should be made on the middle of the top two thirds of the shoot.”
Ad. 13	to read “Observations should be made on the upper third of the shoot. It is expressed by number of leaves in number of rotations until two leaves are located on the same vertical line.”
Ad. 16, 18, 24	to read “See Ad. 15”
Ad. 19	to replace current illustrations with new ones indicating the tip 
Ad. 20	to add “Observations should be made excluding the tip.”
Ad. 30	to replace current with new illustrations: 
Ad. 44	to read “...is reached when 50 % of the infructescences are suitable for consumption.”

TQ 1.	to add 1.3 for indication of species
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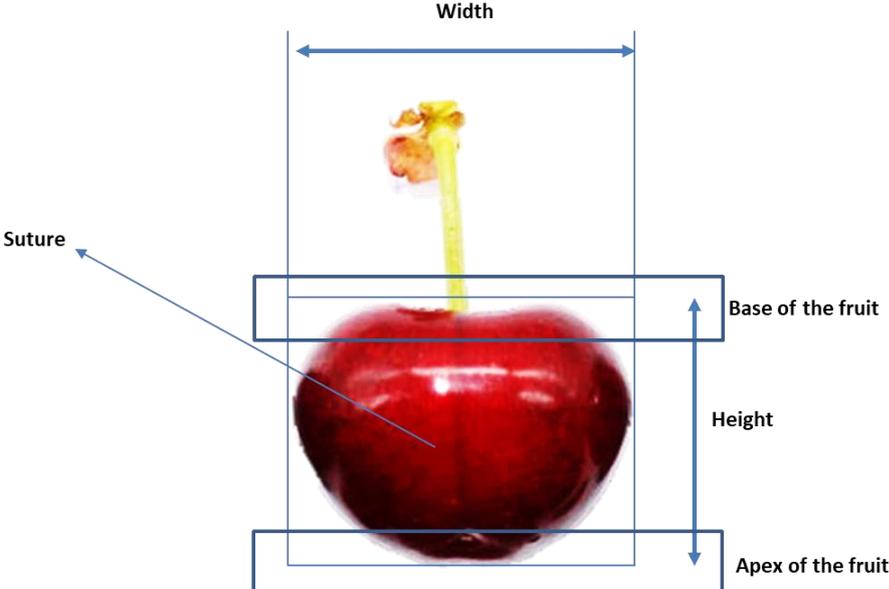
Revisions

<b>TG/35/8(proj.5)</b>	<b>Sweet Cherry (<i>Prunus cerasus</i> L.)</b>
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The TC-EDC considered document TG/35/8(proj.5) 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 draft Test Guidelines for Sweet Cherry be circulated to the TC for adoption by correspondence.

General	to correct spelling of "Süßkirsche" in header
Cover page, 1.	TG reference under other associated UPOV documents to read TG/187 and TG/230
2.2	to read "The material is to be supplied in the form of trees or one-year old grafts, on a rootstock specified by the competent authority, or budwood for grafting.
2.3	to delete "on a rootstock specified by the competent authority,"
4.1.4	to delete "at least" from second paragraph
4.2.3	to be deleted
4.3.2	to read "by testing a new plant stock"
Table of Chars.	to delete "BBCH" and keep only the growth stage number
Char. 6	to delete "intensity of"
Char. 7	to have states from absent or very sparse to very dense"
Char. 14	to delete spaces before and after "/"
Char. 15	to be indicated as QL
Char. 17	to read "... to top of petals"
Char. 17, 18	to be moved after char. 21
Char. 22	- to have states from "very small" to "very large" - to add MS
Char. 24, 25	to delete reference "(in ventral view)" (covered by (e))
Char. 26	- state 1 to read "broad ovate" - state 4 to read "transverse elliptic"
Char. 27	to read "Fruit: shape in cross section"
Char. 28	- to delete "in ventral view" - to add (e)
Char. 34	state 4 to read "medium red"
Char. 38	state 2 to read "medium"
Char. 42	to add MS
Char. 47	state 1 to read "medium elliptic"
8.1 (a)	to read "Observations should be made during winter, on trees after at least one satisfactory crop of fruits."

8.1 (e)	<p>- to add explanation "Observations should be made in ventral view." - to replace current drawing with the following one:</p> 
Ad. 2	to delete reference to Ad. 3 and sentence (covered by (a))
Ad. 3	to replace "scaffolding branches" with "lateral branches"
Ad. 8	to delete sentence
Ad. 18	to use same illustrations in Apple
Ad. 19	to read "Observations should be made on ..."
Ad. 22	to read "Observations should be made by weighing or by observing the length and width."
Ad. 27	<p>- to replace current drawings with the following ones (removed circle in the center):</p>  <p>1 circular</p> <p>2 elliptic</p> <p>3 angular</p> <p>- to delete sentence</p>
Ad. 39	to use standard wording for main color (see TGP/14)
Ad. 43	to replace "may" by "should"
Ad. 45	to read "Observations should be made by weighing or by observing the length and width"
Ad. 49	to read as in Sour Cherry
8.3	to use capital letters for the principal growth stages
8.4	to replace "other names" with "synonyms"

**TG/44/12(proj.4)**

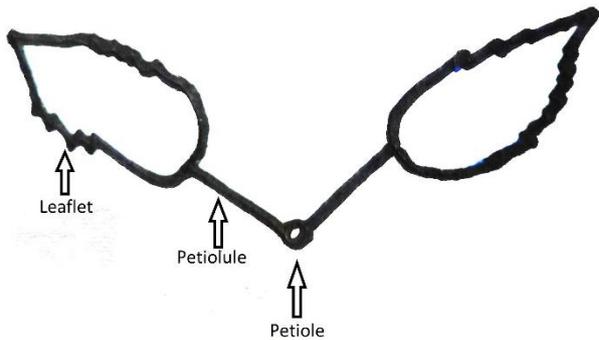
**Tomato**

The TC-EDC considered document TG/44/12(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 draft Test Guidelines for Tomato be circulated to the TC for adoption by correspondence.

Cover page	reference to TG Tomato Rootstock reference to read TG/294
General	<p>- to spell "seed-propagated" with a hyphen throughout the document - to replace "peduncle" with "pedicel" throughout the TG</p>
2.3	(b) to read: 25 young plants

3.4.3	to be deleted as information is already provided in the individual disease resistance protocols
Char. 10	to read "Leaf: type"
Char. 15	to read "Leaf: attitude of petiolule of leaflets in relation to petiole"
Char. 18, 19	to read "Pedicel: ..."
Char. 27	to have states from "very low" to "very high"
Char. 30	to read "... at pedicel end"
Char. 31	to read "... pedicel scar"
Char. 45	to be indicated as MS/VG
Char. 52 to 58	to replace the wording "Group" by "Race"
8.1 (a)	to read "In the case of indeterminate varieties, observations should be made after fruit set on at least five trusses and before ripening of the second truss. In the case of determinate varieties, all observations should be made after fruit set on the second truss. Observations should be made in the middle third of the plant, before leaves senesce."
Ad. 1	to replace last two sections (with underlined headings) with "In heterozygous genotypes, anthocyanin coloration of hypocotyl may segregate. If the segregation occurs in the predicted manner, the variety should be classified as partly present. Presence of anthocyanin is caused by one dominant allele."
Ad. 2	to read <u>"Determinate (1):</u> The number of trusses is limited and differs between varieties. The number of leaves or internodes between inflorescences is irregular within a plant and varies from one to three. The stem ends with an inflorescence and no lateral shoots are produced.  <u>"Indeterminate (2):</u> As a rule, the number of leaves or internodes between inflorescences is three. After every group of three leaves, three buds are developed: the terminal bud is transformed into an inflorescence and stem elongation continues from one of the lateral buds. There is continuous growing with repetition of this growth pattern. Sometimes only two leaves or internodes might be observed between inflorescences in some parts of plants (e.g. varieties originating from 'Daniela')."
Ad. 3	to read "Observations can only be made if side shoots have been removed in the growing trial."
Ad. 4	- Indeterminate growth type varieties: to read "observations...third or fourth truss..." - Determinate growth type varieties: to read "observations should be made before the main stem stops growing, showing then truss/leaf division, on the upper third of the plant."
Ad. 5	to read "...the first and fourth truss..."
Ad. 6	to read "Observations should be made at one time for the whole trial: 60 days after planting, or after a fruit set on approximately 5 nodes, or when the first variety in the trial has reached the wire in the greenhouse or the top of the stake."
Ad. 7, 10, 14, 15	to improve quality of images (focus, color, background, size ...)
Ad. 7	to read "...with respect to"
Ad. 10	Bipinnate leaf: to read "primary leaflets are pinnate and bear secondary leaflets"
Ad. 11	to read "Observations should be made in the middle of the leaf"
Ad. 13	to read "Observations should be made on leaves from the middle of the plant"
Ad. 14	- to read "Caution is advised regarding the confusion ..." - to correct spelling of "from" ("Creasing is independent from...") - to move the final sentence to the start of the Ad. and to read "Observations should be made on leaves from the middle third of the plant."

Ad. 15	to replace current illustration with the following one: 
Ad. 16	- to delete notes from Ad. 16 - to read "Observations should be made after fruit setting on the second and third trusses. If there is no predominant type, the variety should be described with state 2."
Ad. 18	to replace current wording with an explanation not referring to genotype "Varieties without an abscission layer have only a collar on the pedicel."
Ad. 20, 21, 22	to read "Due to potential environmental effects, example varieties should be included in the trial."
Ad. 21	to harmonize size of fruits
Ad. 24, 27	to be deleted
Ad. 29	to read "Observations should be made at the pedicel end after removing the pedicel and calyx" and delete 2 <sup>nd</sup> sentence
Ad. 31	to delete the first sentence and to read "Observations should be made on the green ring (not the full scar) after removal of the pedicel."
Ad. 32	to be deleted
Ad. 33	to harmonize format and display window of images
Ad. 35	to delete the sentence
Ad. 36	to read "Observations should be made on cross sections of typical fruits, excluding the first and last fruits of the truss."
Ad. 37	to delete the sentence
Ad. 38	to read "Observations should be made when the color has fully changed and the placenta is visible in the cross section. Parent lines which do not ripen at all should be excluded."
Ad. 39	current text to be deleted and to be replaced as follows "Parent lines which do not ripen at all should be excluded."
Ad. 41	to read "The epidermis should be peeled off the fruit with a sharp knife. The fruit flesh may stick to the epidermis. Fruit flesh should be removed by scratching it delicately."
Ad. 42	to read "Observations should be made on completely colored fruits. Firmness should be determined by hand on relation to example varieties."
Ad. 43	to delete first and third paragraphs
Ad. 44	to read "Time of maturity is reached when the first fruit on the second truss is fully ripe on 50 % of plants."
Ad 50, 51, 59, 62 to 69, 9.1	to read "at least xx plants"
Ad. 45, 12.	to delete last sentence
Ad. 47, 12.	to delete last sentence and graph
Ad. 50, 9.4	to replace "2 blanks" with "2 non-inoculated controls"
Ad. 51, 5., 9.3	to delete "group" and spell race with capital R
Ad. 62, 8.7, 10.2	to replace "count sporangiospores" with "count spores"
Ad. 64, 10.2	to read "5x10 <sup>3</sup> to 5x10 <sup>5</sup> spores per ml"
Ad. 64, 12	to correct typo: Resistance absent [1]
Ad. 67, 10.5	to add "(dpi)" (as used as acronym in 10.6 and 10.7)
Literature	to add Morilla, et al. 2005. Phytopathology 95: 1089-1097 (see Ad. 67)

TQ 4.1.1	to add options “controlled cross”, “partially known cross”, “unknown cross”
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<b>TG/76/9(proj.6)</b>	<b>Sweet Pepper, Hot Pepper, Paprika, Chili (<i>Capsicum annuum</i> L.)</b>
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The TC-EDC considered document TG/76/9(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 draft Test Guidelines for Sweet Pepper, Hot Pepper, Paprika, Chili be circulated to the TC for adoption by correspondence.

1.1	to read “... rootstock and ornamental varieties.”
2.3	to spell “seed-propagated varieties” with a hyphen (throughout the TG)
2.3	(b) to read “25 young plants.”
3.4.3	to be deleted
Char. 5	to be indicated as QN
Char. 20	to be indicated as MG/VG.
Char. 21	to read “Flower: attitude of pedicel”
Char. 27	to read “ <u>Only varieties with Immature fruit: color: green or purple:</u> Immature fruit: intensity of color”.
Char. 28	to read “ <u>Excluding varieties with Immature fruit: color: purple:</u> Immature fruit: anthocyanin coloration
Char. 33 and Ad. 33	to be adjusted according to the grid below:

	broadest part				
	at middle		above middle		
elongated	 3 elliptic	 6 rectangular	 8 ovate	 9 triangular	 10 trapezoid
medium ratio	 2 circular	 5 square	 7 cordiform		
compressed	 1 oblate	 4 transverse rectangular			

Char. 44	to read “Fruit: depth of stalk cavity”
Char. 50, 51	to read: “Stalk: ...”

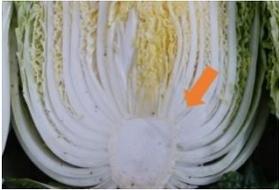


Ad. 54, Ad. 57, Ad. 60, Ad. 61, Ad. 62, Ad. 63, Ad. 66 9.1	to read "at least xx plants" (add word plants if not included)
Ad. 66, 12.	to delete graph
TQ 4.2.1	- to add "inbred line" - to delete "self-pollination"
TQ 4.2.2	should be vegetative propagation with options cuttings, in vitro, other and add 4.2.3 Other
TQ 7.3	last sentence to read "...a representative color photograph of the variety accompanies the TQ."

<b>TG/105/5(proj.4)</b>	<b>Chinese Cabbage</b>
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The TC-EDC considered document TG/105/5(proj.4) and made the recommendations presented in the table below.

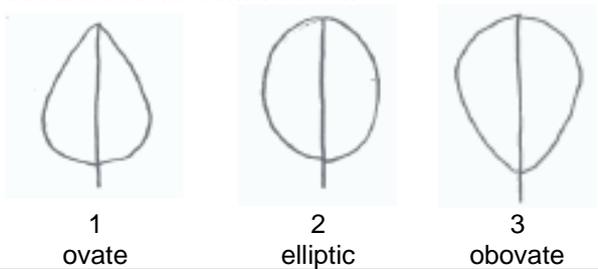
The TC-EDC agreed that, subject to agreement by the Leading Expert on the recommendations provided, the draft Test Guidelines for Chinese Cabbage be circulated to the TC for adoption by correspondence.

Char. 5	state 5 to read "very narrow obovate"
Char. 6	note 3 to read "truncate"
Char. 16	to read "Outer leaf: incisions of margin on basal part."
Char. 19	to read "Outer leaf: profile of midrib in cross section"
Char. 30	note 2 to read "rounded"
Ad. 5	to remove first column of the grid, below middle not required.
Ad. 27	to add photo to illustrate wrapper leaf 
Ad. 30, 31	- to add "Observations should be made from heads that are cut in longitudinal section" - to increase part of the head seen in the pictures (as in the example below) 
Ad. 33	to be coherent with other Brassica male sterility explanations adopted
TQ 4.2.1	to move "Single hybrid" to (b) Hybrids

<b>TG/148/3(proj.4)</b>	<b>Weigela (<i>Weigela</i> Thunb.)</b>
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The TC-EDC considered document TG/148/3(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 draft Test Guidelines for *Weigela* be circulated to the TC for adoption by correspondence.

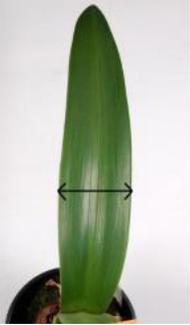
2.2	to read "The material is to be supplied in the form of two-year-old plants on their own roots."
Char. 6	to delete "slightly" from state 2
Char. 10	to add illustrations from TGP/14:  1 ovate      2 elliptic      3 obovate
Char. 28	to read "Plant: different colored flowers" (and update in subsequent chars in underlined part)
Chars. 29 to 39	to delete "presence of"
Char. 34 to 39	- to replace "predominantly present" with "most frequent" - to replace "second predominantly" with "second most frequent" - to replace "third predominantly" with "third most frequent"
Char. 40	to add hyphen to "semi-erect"
8.1 (h), (i)	to be updated according to the changes to characteristics 34 to 39: (h) The <u>most frequent</u> flower is the flower whose color occurs at the highest frequency on the plant. In cases where the frequency of the <u>most frequent</u> flower and the <u>second most frequent</u> flower are too similar to reliably decide which flower has the highest frequency on the plant, the flower with the darker color is considered to be the <u>most frequent</u> flower  (i) The <u>second most frequent</u> flower is the flower whose color occurs at the second highest frequency on the plant. In cases where the frequency of the <u>second most frequent</u> flower and the <u>third most frequent</u> flower are too similar to reliably decide which has the second highest frequency, the flower with the darker color is considered to be the <u>second most frequent</u> flower.
Ad. 8 and 9	To be combined.
Ad. 18	to delete column for state 4
Ad. 28	to add "Absent: all flowers have the same color." Present: different colored flowers occur on the same plant"
Ad. 42	The text from Ad. 41 has been duplicated into Ad. 42 and needs deleting
TQ 5.4, 5.16	to delete "other (please specify)" (usually only applicable for RHS characteristics)

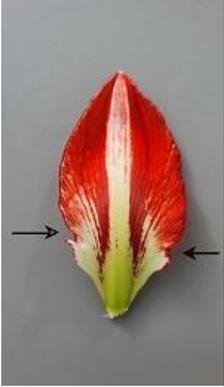
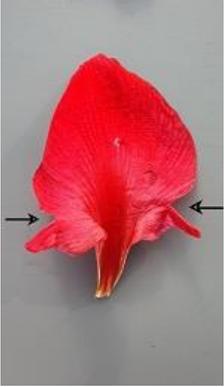
<b>TG/181/4(proj.4)</b>	<b>Amaryllis (<i>Hippeastrum</i> Herb.)</b>
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The TC-EDC considered document TG/148/3(proj.4) and made the recommendations presented in the table below.

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

Char. 6	- to delete underlined part of the header - state 1 to read "at basal part" - state 2 to read "at distal part" - state 3 to read "throughout"
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Char. 12, 16 and Char. 17	to delete 'of perianth'
Char. 17	to delete "maximum"
Char. 24	to read "Outer median tepal: pattern of ..."
Char. 31	to read "Inner median tepal: pattern of ..."
8.1 (b)	to read "...made just before the flowers are open".
8.1 (c)	to read "... when all flowers on the firstly emerged peduncle are open."
Ad. 1	<p>- to rotate current illustration as follows:</p>  <p>- to delete "of the leaf"</p>
Ad. 2	<p>to have only one arrow pointing to the basal part:</p> 
Ad. 3	<p>- to read "... of the pedicels"</p> <p>- to delete illustration</p>
Ad. 4	to delete illustration
Ad. 5	<p>- to delete illustration</p> <p>- to read "... of the pedicels. The strongest expression should be observed.</p>
Ad. 7, 8, 14	to be deleted
Ad. 15, 19, 25	to improve resolution of illustrations
Ad. 17	<p>- to delete vertical lines from illustration:</p>  <p>- to add "Observations should be made on the maximum width of the flower"</p>

<p>Ad. 24, 31</p>	<p>- to use rotated illustration for state 5:</p>  <p>- state 2: to rotate illustrations so that the outer median tepals are in the same direction as in 1, 3, 4:</p> 
<p>Ad. 25</p>	<p>to have one illustration only and add arrow to show the veins</p> 
<p>Ad. 35</p>	<p>to replace current illustrations for states 2 and 3 with the following ones with arrows added:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>2 medium</p> </div> <div style="text-align: center;">  <p>3 deep</p> </div> </div>
<p>Ad. 39</p>	<p>to delete sentence</p>
<p>9.</p>	<p>to add "No specific literature"</p>
<p>TQ 5.3</p>	<p>to add color groups (see grouping characteristics), plus the option for 'other'</p>

<b>TG/230/2(proj.4)</b>	<b>Sour Cherry; Duke Cherry (<i>Prunus cerasus</i> L.; <i>Prunus xgondouinii</i> (Poit. &amp; Turpin) Rehder)</b>
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The TC-EDC considered document TG/230/2(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 draft Test Guidelines for Sour Cherry; Duke Cherry be circulated to the TC for adoption by correspondence.

Coverage	to use UPOV codes PRUNU_CSS and PRUNU_GON
1.	to delete "and <i>P. avium</i> L. x <i>P. cerasus</i> L."
2.2	to read "The material is to be supplied in the form of trees or one-year old grafts, on a rootstock specified by the competent authority, or budwood for grafting."
2.3	- to reduce number of trees and dormant shoots from 5 to 3 - to delete "The rootstock to be used is specified by the competent authority."
3.1.4	to follow the new ASW 3 (see SESSIONS/2023/2)
3.3.2	to be deleted
3.4	to reduce number of trees from 5 to 3
4.1.4	- first paragraph: to reduce number of plants and parts of plants from 5 to 3 - to delete "at least" from second paragraph
Char. 3	to read "Tree: density of branching" and reduce scale to 5 notes from "very sparse" to "very dense"
Char. 5	- to move "during rapid growth" to chapter 8.2 ("Observations should be made during rapid growth.") - to reduce scale to 5 notes (harmonization with sweet cherry TG)
Char. 6	- to reduce scale to 5 notes from "very sparse" to "very dense" (harmonization with sweet cherry TG) - to move "during rapid growth" to chapter 8.2 ("Observations should be made during rapid growth.")
Char. 11	to correct typos in states 2 and 6
Char. 11, 45	to delete spaces before and after "/"
Char. 13	state 1 to read "absent or very weak"
Char. 18	to read "Leaf: position of nectaries" and have states "at base of leaf blade only", "both at base of leaf blade and on petiole", "on petiole only"
Char. 19	to read "Leaf: color of nectaries"
Char. 29	to read "Fruit: shape of apex"
Char. 39	to add MS
Char. 42	to add explanation "Observations should be made on the juice content in relation to total fruit weight."
Char. 45	to replace "weight" by "size" and reduce scale to 5 notes (follow same approach as Sweet Cherry)
8.1 (b)	to read "Observation should be made on fully developed leaves from the middle third of a shoot, in early summer."
8.1 (c)	to read "Observations should be made on the fifth or sixth fully developed leaf from the base of a long shoot, during rapid growth."
8.1 (d)	to read "Observations should be made on fully open flowers."
8.1 (e)	to read "Observation should be made at full fruit maturity."
Ad. 1	to read "Observations should be made on the overall abundance of vegetative growth, when the tree has reached the peak of vegetative growth."
Ad. 3	- to read "Observations should be made in winter, on scaffold branches with the density of branching being indicated by the number of lateral branches and shoots, excluding fruiting shoots." - to replace "scaffolding branches" with "lateral branches"
Ad. 4	to be deleted
Ad. 7	to be deleted
Ad. 19	to be deleted

Ad. 41	to delete “%”
Ad. 47	to read “The time of beginning of fruit ripening is reached when 10% of the fruits are eating ripe. Fruit ripening should be considered as the time when the fruit can be most easily removed from the stalk and are ready to be eaten.”

[End of Annex II and of document]