



TC/46/15

ORIGINAL: English

DATE: March 24, 2010

**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA

**TECHNICAL COMMITTEE**

**Forty-Sixth Session**  
**Geneva, March 22 to 24, 2010**

REPORT ON THE CONCLUSIONS

*adopted by the Technical Committee*

Opening of the session

1. The Technical Committee (TC) held its forty-sixth session in Geneva from March 22 to 24, 2010. The list of participants is reproduced in Annex I to this report.
2. The session was opened by Mr. Chris Barnaby (New Zealand), Chairperson of the TC, who welcomed the participants. The TC Chairman extended a welcome to the participants from the East Asia Plant Variety Protection Forum.
3. The Chairperson of the TC reported that, since the forty-fifth session of the TC, Oman had become a member of the Union, taking the number of members of the Union to 68, and that Slovakia had acceded to the 1991 Act of the UPOV Convention.

Adoption of the agenda

4. The TC adopted the agenda as presented in document TC/46/1 Rev.

Report on developments in UPOV including relevant matters discussed in the last sessions of the Administrative and Legal Committee, the Consultative Committee and the Council

5. The Vice Secretary-General provided an oral report on the fifty-ninth and sixtieth sessions of the Administrative and Legal Committee (CAJ), the seventy-seventh and the seventy-eighth sessions of the Consultative Committee and the twenty-sixth extraordinary session and the forty-third ordinary session of the Council. The Vice Secretary-General also made an oral report on the Seminar on DUS Testing, held in Geneva, from March 18 to 20, 2010. He reported that the following conclusions had been drawn by the Chairman of the Technical Committee in conjunction with the Office of the Union:

- “UPOV members have used a range of approaches for DUS testing, as envisaged within the UPOV Convention, in order to provide an efficient and effective system for breeders according to their circumstances.
- “Cooperation is crucial for all UPOV members and will need to intensify in future to meet the expansion of the UPOV system. There is a need to:
  - continue to work on guidance documents (TGP documents, Test Guidelines) and exchangeable software (COY, GAIA etc.) to promote harmonization;
  - enhance efficiency of cooperation, through
    - maintaining standard forms, agreed fee for DUS reports, etc.;
    - the use and further development of tools, such as the GENIE database;
    - increasing exchange of information between UPOV members on their newly acquired experience;
    - exchanging variety descriptions; and
    - coordinating resources offered by members of the Union (e.g. training, helpdesks, *ad hoc* expert advice).
- “The Technical Committee and Technical Working Parties are an important means of training and exchanging information in an expert forum, and additional benefits can be achieved through preparatory workshops and associated training events.
- “It is important to continue to explore methods to address the management of variety collections, e.g. the potential role for molecular techniques.
- “The organization of such seminars, from time-to-time, provides a valuable means of sharing broad overviews and new developments and also of identifying areas for possible future guidance (e.g. treatment of data for distinctness and descriptions, understanding of “similar varieties”, status of the variety descriptions).
- “UPOV encourages breeders’ organizations to contribute to UPOV’s technical work and encourages a constructive dialogue on relevant issues at an early stage.
- “Participation by experts of potential future members of the Union in the Technical Committee and Technical Working Parties, as observers, was encouraged as a principal means of achieving harmonization with the UPOV system and facilitation of future cooperation on becoming UPOV members.”

Progress reports on the work of the Technical Working Parties, including the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT), and the *Ad Hoc* Crop Subgroups on Molecular Techniques

6. The TC received oral reports from the Chairpersons, on the work of the Technical Working Party for Agricultural Crops (TWA), the Technical Working Party on Automation and Computer Programs (TWC), the Technical Working Party for Fruit Crops (TWF), the Technical Working Party for Ornamental Plants and Forest Trees (TWO) and the Technical Working Party for Vegetables (TWV). The TC noted that no session of the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT) had been held since the forty-fifth session of the TC.

Matters arising from the Technical Working Parties

7. The TC considered document TC/46/3.

I. MATTERS FOR INFORMATION AND FOR A POSSIBLE DECISION TO BE TAKEN BY THE TECHNICAL COMMITTEE

*Matters arising after the grant of a breeder's right*

8. The TC noted the developments in the CAJ with regard to a document concerning matters arising after the grant of a breeder's right.

*Matters raised by CIOPORA in relation to distinctness*

9. The TC noted the comments made by the International Community of Breeders of Asexually Reproduced Ornamental and Fruit-Tree Varieties (CIOPORA) in relation to the use of characteristics in the examination of distinctness, as reported in document TC/46/3, paragraphs 7 to 13. The TC endorsed the clarification that had been provided to CIOPORA by the Office of the Union, as set out in document TC/46/3, paragraph 14, and recalled that CIOPORA were invited to attend the Technical Working Parties and the Technical Committee where they could receive further explanation of the basis for the selection of characteristics for inclusion of Test Guidelines. It was agreed that the adoption of the Test Guidelines for Mandarin should not be delayed on the basis of the comments by CIOPORA.

10. The TC noted that, with regard to the partial revision of the Test Guidelines for Mandarin (Citrus Group 1), as set out in Circular E-1143, dated November 30, 2009, in addition to the comments of CIOPORA, substantial comments had been received from Australia and Morocco. On the basis of those substantial comments, the Leading Expert, Mr. Chomé Fuster (Spain), had concluded that it would be appropriate for the partial revision of the Test Guidelines for Mandarin to be considered further by the TWF at its forty-first session, to be held in Cuernavaca, Morelos State, Mexico, from September 27 to October 1, 2010.

*Experiences with new types and species*

11. The TC noted the information provided at the TWO and TWF sessions in 2009 and noted that the proposal to invite members of the Union to indicate practical experience when

requesting a new UPOV code, as set out in document TC/46/3, paragraph 22, would be considered under agenda item 9 “UPOV information databases”.

12. The TC agreed that an item for “Experiences with new types and species (oral reports by participants)” should be included in the agenda of the TWF, TWO and TWV sessions in 2010.

*Biodiversity / Germplasm Information on Germplasm Accessions (GIGA) project*

13. The TC noted the involvement of UPOV experts in the GIGA (Germplasm Information on Germplasm Accessions) project of Biodiversity.

*Statistical methods for visually observed characteristics*

14. The TC agreed that statistical methods for visually observed characteristics should be investigated by the TWC and should be considered for possible inclusion in the revision of document TGP/8/1.

*Searching documents on the UPOV website*

15. The TC noted the plans for the development of a search tool for documents placed in the restricted areas of the UPOV website.

## II. MATTERS FOR INFORMATION

16. The TC noted the matters for information provided in document TC/46/3.

### TGP documents

17. The TC considered document TC/46/5.

(a) *New TGP documents*

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

18. The TC agreed that document TGP/8/1 Draft 15 should be amended as indicated, with the following further modifications:

|         | <u>Part I</u>   |
|---------|---|
| 1.3.2.5 | to be deleted   |
| 3.2.1.4 | to read “3.2.1.4 In the context of consistency and harmonization, it should be noted that different statistical methods may produce different results.” |
| 3.3     | to retain both the table and the flow chart   |
| 3.3     | Flow chart: to replace text in box “No statistical methods” with “No statistical method provided in TGP/8”  |

19. The TC noted that the changes to the text of document TGP/8/1 Draft 15 as proposed above would be reported to the CAJ at its sixty-first session, to be held in Geneva on March 25, 2010. The TC agreed that, subject to agreement by the CAJ, document TGP/8/1 Draft 15, as amended above, should be put forward for adoption by the Council at its forty-fourth ordinary session, to be held in Geneva on October 21, 2010. The TC noted that the French, German and Spanish translations of the original English text would be checked by the relevant members of the Editorial Committee prior to submission of the draft of document TGP/8/1 to the Council.

20. The TC approved the approach for the revision of document TGP/8/1 (document TGP/8/2), as set out in document TC/46/5, paragraphs 13 and 14. The TC agreed that, in addition to those items included in document TC/46/5, the following matters should also be considered in the revision of TGP/8:

- (a) guidance on the development of variety descriptions with information from:
  - (i) more than one growing cycle in one location, and
  - (ii) more than one location;
- (b) review of the recommendation on the minimum number of degrees of freedom for COYD;
- (c) inclusion of a recommendation on the minimum number of degrees of freedom for the 2 x 1% Method; and
- (d) inclusion of a recommendation on the minimum number of comparable varieties to be included in the trial in the Relative Variance Method for the assessment of uniformity.

*TGP/14 "Glossary of [Technical, Botanical and Statistical] Terms Used in UPOV Documents"*

21. The TC agreed that document TGP/14/1 Draft 11 should be amended as indicated in the document, but agreed that no further modifications were required. In particular, the TC agreed not to combine synonymous terms within a single entry (e.g. Breeder's Right, Plant Breeder's Right and PBR).

22. The TC agreed that, subject to agreement by the CAJ, document TGP/14/1 Draft 11, should be put forward for adoption by the Council at its forty-fourth ordinary session, to be held in Geneva on October 21, 2010. The TC noted that the French, German and Spanish translations of the original English text would be checked by the relevant members of the Editorial Committee prior to submission of the draft of document TGP/14/1 to the Council.

23. The TC approved the consideration of the items set out in document TC/46/5, paragraphs 21 to 26, in the revision of document TGP/14/1 (document TGP/14/2) and agreed that the following items should also be considered:

- (a) the development of suitable wording for states of expression for ratio characteristics with a 1-9 note scale covering, for example, only elongated ratios;
- (b) further guidance concerning the duplication of characteristics, e.g. characteristics for ratio length/width, length, width and shape, on the basis of a document to be prepared by Mrs. Beate Rucker (Germany).

*TGP/11 Examination of Stability*

24. The TC agreed the procedure and schedule for the development of document TGP/11/1, as set out in document TC/46/5, paragraph 30.

(b) *Revision of TGP Documents*

*TGP/7 Development of Test Guidelines*

25. The TC agreed that document TGP/7/2 Draft 5 should be amended as indicated in the document, with the following further modifications:

|                         |  |
|-------------------------|--|
| Annex I,<br>TQ 4.1      | to delete new text and reinstate ASW 15 as contained in document TGP/7/1 |
| Annex I,<br>TQ 4 & TQ 7 | to add text for footnote #   |

26. The TC agreed that the text of Annex I: TG Template, Chapter 4.1.4, and the final sentence of Annex 3: Guidance Notes (GN) for the TG Template, GN7 “Quantity of plant material required” should be retained as presented in document TGP/7/2 Draft 5, but agreed that Mrs. Beate Rücker (Germany) should prepare a document, concerning the number of plants to be considered for distinctness, for consideration by the TWPs at their session in 2010.

27. With regard to the possibility of the Technical Questionnaire providing an opportunity to indicate that an application concerned a parent line, the TC agreed that such a possibility existed within Section 4 “Information on the breeding scheme and propagation of the variety”, as far as that information was relevant for the DUS examination. The TC clarified that, in the particular case of parent lines submitted as a part of the examination of a candidate hybrid variety, document TGP/5: Section 11/1 “Examples of Policies and Contracts for Material Submitted by the Breeder” explained that living plant material should only be made available to other variety collectors in such a way that the legitimate interests of the breeder would be safeguarded.

28. The TC noted that the CAJ proposal concerning standard UPOV references for the UPOV Model Application Form and UPOV Model TQ, as set out in Annexes II and IV of document CAJ/60/5 (reproduced in document TC/46/13, Annexes II and IV), would be considered under agenda item 12 “Electronic Application Systems”.

29. The TC noted that the changes to the text of document TGP/7/2 Draft 5 as proposed above would be reported to the CAJ at its sixty-first session. The TC agreed that, subject to agreement by the CAJ, document TGP/7/2 Draft 5, as amended above, should be put forward for adoption by the Council at its forty-fourth ordinary session, to be held in Geneva on October 21, 2010. The TC noted that the French, German and Spanish translations of the original English text would be checked by the relevant members of the Editorial Committee prior to submission of the draft of document TGP/7/2 to the Council.

30. The TC noted that, on the basis of feedback at the TWP sessions in 2009 and the experience with draft Test Guidelines, the Office of the Union had concluded that the Collection of Approved Characteristics was not, in general, used by Leading Experts in the

drafting of Test Guidelines on a regular basis. The TC agreed that it would not be a good use of resources to invest a substantial effort in integrating the Collection of Approved Characteristics into the TG Template for the time-being.

31. With regard to a future revision of TGP/7 (document TGP/7/3), the TC agreed that consideration be given to the items set out in document TC/46/5, paragraphs 43 to 54, subject to the final sentence of paragraph 48 being amended to read “In particular, the TC-EDC noted that asterisked characteristics were very important for international harmonization of variety descriptions.”. The TC agreed that the following items should also be considered:

- (a) to provide guidance on the indication of observation by Measurement (M) for characteristics such as dates (e.g. time of flowering), counts (e.g. number of leaf lobes) etc.;
- (b) document to be prepared by an expert from Germany (see paragraph 26), concerning the number of plants to be considered for distinctness, for consideration by the TWPs at their session in 2010

#### *TGP/5 Experience and Cooperation in DUS Testing*

##### *Section 2 “UPOV Model Form for the Application for Plant Breeders’ Rights”*

32. The TC noted that the CAJ, at its sixty-first session, would be invited to consider a proposal for text to be added to document TGP/5: Section 2 “UPOV Model Form for the Application for Plant Breeders’ Rights”, in order to explain the standard references in the UPOV Model Application Form. It further noted that the development of standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of document TC/46/13, would be considered under agenda item 12 “Electronic Application Systems”.

##### *Section 10 “Notification of Additional Characteristics”*

33. The TC noted that the proposal in document TGP/7/2 Draft 5 for the reporting of modifications to characteristics in the Test Guidelines by means of document TGP/5 (see document TC/46/5, paragraphs 61 to 63) would require a corresponding revision of document TGP/5, Section 10/1. It further noted that the TC, in document TC/46/2, paragraphs 22 to 24, was invited to consider whether new characteristics and new states of expression notified by means of document TGP/5, Section 10 “Notification of Additional Characteristics”, should be presented for consideration at the session of the relevant TWP(s) and the TC before they are presented on the password-restricted area of the UPOV website.

34. The TC agreed that the TWPs should be invited to consider those proposals at their sessions in 2010, on the basis of a draft text to be prepared by the Office of the Union, with a view to a revision of document TGP/5, Section 10/1 being considered by the TC and CAJ in 2011, for proposal to the Council in October 2011.

#### *TGP/12 Guidance on Certain Physiological Characteristics*

35. The TC agreed that the TWV should develop a proposal for a revision of document TGP/12/1 in order to provide guidance on the nomenclature and use of disease resistance characteristics, as set out in document TC/46/5, paragraphs 65 and 66.

*TGP/0 List of TGP Documents and Latest Issue Dates*

36. The TC agreed to propose the adoption of document TGP/0/3 in conjunction with the adoption and revision of TGP documents, as appropriate.

(c) *Program for the development of TGP documents*

37. The TC agreed the program for the development of TGP documents, as set out in the Annex to document TC/46/5.

*Molecular techniques*

38. The TC considered documents TC/46/7, BMT Guidelines (proj.16) and BMT/DUS Draft 2.

*UPOV Guidelines for DNA-profiling: molecular marker selection and database construction (BMT Guidelines)*

39. The TC agreed that document BMT Guidelines (proj.16) should be amended as indicated in the document, but agreed that no further modifications were required.

40. The TC agreed that, subject to agreement by the CAJ, document BMT Guidelines (proj.16) should be put forward for adoption by the Council at its forty-fourth ordinary session. The TC noted that the French, German and Spanish translations of the original English text would be checked by the relevant members of the Editorial Committee prior to submission of the draft of document BMT Guidelines to the Council.

*Proposals for the utilization of biochemical and molecular techniques in the examination of DUS to be considered by the BMT Review Group*

41. The TC noted that the CAJ, at its sixtieth session, held in Geneva on October 19, 2009, had endorsed the recommendations of the BMT Review Group, as set out in document TC/46/7, paragraph 14.

42. The TC endorsed the recommendations of the BMT Review Group, as set out in document TC/46/7, paragraph 14.

*Revision of documents TC/38/14-CAJ/45/5 and TC/38/14 Add.-CAJ/45/5 Add.*

43. The TC agreed the following amendments to document BMT/DUS Draft 2:



|                 |  |
|-----------------|--|
| Title           | to read “Possible Use of Molecular Markers in the Examination of Distinctness, Uniformity and Stability (“DUS”)”   |
| Structure       | to differentiate the models into those which received a positive endorsement by the BMT Review Group, CAJ and TC and those where there was no consensus on their acceptability. Within the models which received a positive endorsement by the BMT Review Group, CAJ and TC, to consider a further separation of the models for which further work was required. |
| Title of models | to seek to develop a short title for each model  |

44. The TC noted that the CAJ, at its sixtieth session, had agreed that a document could be presented for adoption by the Council in October 2010, in conjunction with the document BMT Guidelines. However, the TC agreed that a new draft of the document BMT/DUS should be prepared by the Office of the Union, in conjunction with the TC Chairman and the BMT Chairman, for consideration by the BMT and the TWPs at their sessions in 2010 and a further draft prepared on the basis of the comments of the BMT, TWPs and CAJ for consideration by the TC at its forty-seventh session.

45. The TC agreed that the possibility of document BMT/DUS Draft 2 becoming document TGP/15, with an appropriate change of title for TGP/15, should be considered at a later stage.

*Practical exercise in the development of an exchangeable database*

46. The TC recalled that matters concerning databases containing morphological and/or molecular data would be considered under the agenda item “Variety description databases”.

*International guidelines on molecular methodologies*

47. The TC noted that ISTA had been approached to investigate how the work of UPOV and ISTA might, where appropriate, be coordinated with UPOV in relation to molecular techniques.

*Statistical methods for data produced by biochemical and molecular techniques*

48. The TC noted that the item on the BMT/11 agenda for “statistical methods for data produced by biochemical and molecular techniques” had been replaced by an item “methods for analysis of molecular data” in the agenda for the twelfth session of the BMT, to be held in Ottawa, Canada, from May 11 to 13, 2010.

*Ad hoc crop subgroups on molecular techniques (Crop Subgroups)*

49. The TC approved Mrs. Laetitia Denecheau (France) as new Chairperson of the Crop Subgroup for Oilseed Rape.

50. The TC noted the developments concerning Crop Subgroups as set out in document TC/46/7, paragraphs 46 to 50 and agreed the following plans for meetings of Crop Subgroups:

Crop Subgroup for Maize: no subgroup meeting planned. The TC noted that the Office of the Union had contacted the American Seed Trade Association (ASTA) to see if it would be interested in receiving a report on the outcome of the consideration within UPOV on the approach presented in documents BMT/10/14 and BMT-TWA/Maize/2/11 “Possible use of molecular techniques in DUS testing on maize: how to integrate a new tool to serve the effectiveness of protection offered under the UPOV system” at the meeting of the maize and sorghum breeders’ meeting in the United States of America in 2010;

Crop Subgroup for Oilseed Rape: no subgroup meeting planned;

Crop Subgroup for Potato: no subgroup meeting planned. To consider a future meeting according to developments in on-going projects reported at the eleventh session of the BMT;

Crop Subgroup for Soybean: to consider a meeting to include a report on the work of Argentina and Brazil in the context of a possible Option 2 approach in due course; and

Crop Subgroup for Wheat and Barley: no subgroup meeting planned. Any on-going work, such as the work in France on barley in the context of a similar approach to that presented for maize in document BMT/10/14, would be reported at the twelfth session of the BMT.

*Working group on biochemical and molecular techniques, and DNA-profiling in particular (BMT)*

51. The TC noted that, at the twelfth session of the BMT, to be held in Ottawa, Canada, from May 11 to 13, 2010, the specific day for the agenda items “The use of molecular techniques in the consideration of essential derivation” and “The use of molecular techniques in variety identification” (the “Breeders’ Day”) would be May 11, 2010.

Variety denominations

52. The TC considered document TC/46/8.

*Adoption of document UPOV/INF/12/2 “Explanatory Notes on Variety Denominations under the UPOV Convention” (Revision)*

53. The TC noted the adoption of document UPOV/INF/12/2 “Explanatory Notes on Variety Denominations under the UPOV Convention” (revision) and noted that the UPOV code and botanical name for “*Lentinula edodes*” would be considered under agenda item 9 “UPOV information databases”.

*Document UPOV/INF/12, Annex I, Part I:*

*Class 4.1 Solanum tuberosum L. / Class 4.2 Solanum other than Class 4.1*

54. The TC noted that there might be advantages in retaining Tomato rootstock species in the same variety denomination class as Tomato, but agreed that the TWV should be invited to consider that matter. Therefore, the TC agreed to request the TWV, at its forty-fourth session, to be held in Veliko Tarnovo, Bulgaria, from July 5 to 9, 2010, to consider the following two alternatives for an amendment to document UPOV/INF/12/2 Annex I, Part I “Classes within a genus”, Class 4:

Alternative 1

|           | <u>Botanical names</u>                               | <u>UPOV codes</u>                   |
|-----------|--|-------------------------------------|
| Class 4.1 | <i>Solanum tuberosum</i> L.                          | SOLAN_TUB                           |
| Class 4.2 | <i>Solanum lycopersicum</i> var. <i>lycopersicum</i> | SOLAN_LYC_LYC                       |
| Class 4.3 | <i>Solanum melongena</i> L.                          | SOLAN_MEL                           |
| Class 4.4 | <i>Solanum</i> other than classes 4.1, 4.2 and 4.3   | other than classes 4.1, 4.2 and 4.3 |

Alternative 2

|           | <u>Botanical names</u>                        | <u>UPOV codes</u>              |
|-----------|---|--------------------------------|
| Class 4.1 | <i>Solanum tuberosum</i> L.                   | SOLAN_TUB                      |
| Class 4.2 | <i>Solanum melongena</i> L.                   | SOLAN_MEL                      |
| Class 4.3 | <i>Solanum</i> other than classes 4.1 and 4.2 | other than classes 4.1 and 4.2 |

55. The TC agreed to invite the CAJ at its sixty-first session to consider those alternatives and, if appropriate, agree that the alternative endorsed by the TWV be put forward as a revision of document UPOV/INF/12/2 for adoption by the Council at its forty-fourth ordinary session, to be held in Geneva on October 21, 2010.

56. The TC further agreed to amend the UPOV codes for the following taxa, simultaneously with any revision of the “Explanatory Notes on Variety Denominations under the UPOV Convention”, document UPOV/INF/12/2:

| <u>GENIE database</u>  | <u>Current UPOV code</u> | <u>GRIN database</u>  |
|--|--------------------------|---|
| <u>Lycopersicon</u>  |                          |   |
| <i>Lycopersicon esculentum</i> Mill.   | LYCOP_ESC                | <i>Solanum lycopersicum</i> var. <i>lycopersicum</i>                |
| <i>Lycopersicon esculentum</i> Mill.<br>var. <i>esculentum</i>                     | LYCOP_ESC_ESC            |   |
| <i>Lycopersicon esculentum</i> Mill.<br>var. <i>cerasiforme</i> (Dunal) A.<br>Gray | LYCOP_ESC_CER            | <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> (Alef.) Fosberg |

|   |           |  |
|---|-----------|--|
| <i>Lycopersicon hirsutum</i> Dunal  | LYCOP_HIR | <i>Solanum habrochaites</i> S. Knapp & D. M. Spooner |
| <i>Lycopersicon lycopersicum</i> (L.) Karst. ex. Farw. x<br><i>Lycopersicon hirsutum</i> L. | LYCOP_EHI | no hybrid binomial                                   |
| <u>Cyphomandra</u>  |           |  |
| Cyphomandra   | CYPHO     | all species removed                                  |
| <i>Cyphomandra betacea</i> (Cav.) Sendtn. (synonym<br><i>Solanum betaceum</i> Cav.)         | CYPHO_BET | <i>Solanum betaceum</i> Cav.                         |
| <u>Hybrid genus</u>   |           |  |
| <i>Lycopersicon</i> x <i>Cyphomandra</i>  | LYCYP     | <i>Solanum</i> L.                                    |
| <i>Lycopersicon lycopersicum</i> x<br><i>Cyphomandra betacea</i>                            | LYCYP_EBE | to be investigated                                   |

Document UPOV/INF/12, Annex I, Part II “Classes encompassing more than one genus”: new class for *Verbena* and *Glandularia*

57. The TC agreed to propose to amend document UPOV/INF/12/2 Annex I, Part II “Classes encompassing more than one genus” in order to include a new class (Class 212) for *Verbena* L. and *Glandularia* J. F. Gmel..

58. The TC further agreed, subject to approval by the CAJ and the TWPs at their sessions in 2010, to propose to the Council to amend document UPOV/INF/12/2 Annex I, Part II “Classes encompassing more than one genus” accordingly.

#### UPOV information databases

59. The TC considered document TC/46/6.

#### *GENIE database*

60. The TC noted that the GENIE database had been launched on the freely available area of the UPOV website on March 15, 2010.

#### *UPOV code system*

61. The TC noted that 148 new UPOV codes had been created in 2009 and amendments were made to 17 UPOV codes, bringing the total number of UPOV codes in the GENIE database at the end of 2009 to 6,582.

62. In accordance with the reclassification of *Panicum* in GRIN, and the revision of Class 202 in document UPOV/INF/12/1, Annex I, Part II “Classes encompassing more than one genus”, to cover *Megathyrsus*, *Panicum*, *Setaria* and *Steinchisma*, the TC agreed that the UPOV codes for the following species be amended as indicated:

| Current classification<br>in GENIE database |                  | Proposed new classification<br>in accordance with GRIN  |                  |
|---|------------------|---|------------------|
| <u>Botanical name</u>                       | <u>UPOV code</u> | <u>Botanical name</u>   | <u>UPOV code</u> |
| <i>Panicum laxum</i> Sw.                    | PANIC_LAX        | <i>Steinchisma laxa</i> (Sw.) Zuloaga<br>(synonym: <i>Panicum laxum</i> Sw.)                                      | STEIN_LAX        |
| <i>Panicum maximum</i> Jacq.                | PANIC_MAX        | <i>Megathyrsus maximum</i> (Jacq.) B.<br>K. Simon & S. W. L. Jacobs<br>(synonym: <i>Panicum maximum</i><br>Jacq.) | MEGAT_MAX        |

63. The TC requested the TWV to consider whether the principal botanical name for the UPOV code “LENTI\_ELO” should be amended to *Lentinula edodes* (Berk.) Sing., with the botanical names *Lentinus edodes* (Berk.) Sing. and *Lentinus elodes* (Berk.) Sing. being added as other botanical names, and the UPOV code amended to “LENTI\_EDO”.

64. The TC noted that matters concerning the botanical reclassification of *Lycopersicon*, *Solanum* and *Cyphomandra*, including matters concerning UPOV codes, were considered under agenda item 8 “Variety Denominations”.

65. In accordance with the procedure set out in Section 3.3 of the Guide to the UPOV Code System (see [http://www.upov.int/genie/en/upov\\_code.html](http://www.upov.int/genie/en/upov_code.html)), the TC agreed that the Office of the Union should prepare tables of UPOV code additions and amendments, for checking by the relevant authorities, for each of the TWP sessions in 2010.

66. With regard to the proposal of the TWO that the Office of the Union should invite members of the Union to indicate practical experience when requesting a new UPOV code, the TC agreed that such an invitation would not be appropriate and agreed that information on genera and species for which new applications had been received could be obtained from the UPOV-ROM Plant Variety Database.

#### *Plant Variety Database*

67. The TC noted that, in accordance with the UPOV-WIPO arrangement, Mr. José Appave, Senior Data Administration Clerk, WIPO, had taken up responsibility for collating data for the UPOV-ROM Plant Variety Database (UPOV-ROM) (see circular E-1190). The TC further noted the clarification that the current arrangements for providing data for the UPOV-ROM, as set out in the UPOV-CPVO MoU (see documents CAJ/57/6, paragraph 6 and TC/44/6, paragraph 15), would not be affected by that development.

68. The TC heard that, also in accordance with the UPOV-WIPO arrangement, a software developer had been recruited by WIPO to work on the program of improvements concerning the UPOV-ROM and would take up her duties in May 2010.

69. The TC noted the proposal for the TWC to conduct the analysis of the inclusion of data in fields in the UPOV-ROM Plant Variety Database, as set out in paragraphs 31 to 33 of document TC/46/6, and agreed that the Office of the Union should consider that offer in conjunction with the work under the UPOV-WIPO arrangement.

70. The TC noted the report on matters concerning the development of common search platforms, as set out in document TC/46/6, paragraphs 36 to 39.

71. The Delegation of the European Union informed the TC that a new functionality would be added to the Community Plant Variety Office of the European Union (CPVO) database on applications and titles granted, which was available to the public through its official webpage. The aim of that new development was to provide direct access to some of the documents included in the CPVO register. Access to public inspection constituted a legal obligation in the EC Regulation 2100/94, also the EC Regulation 1049/2001 stated, at a certain stage, that institutions shall as far as possible make documents directly accessible to the public in electronic form. Presently the CPVO was providing access to documents upon request. From 2010 onwards the public would be able to read and download the following documents through the CPVO website:

- Application forms (information related to parent lines excluded)
- Technical Questionnaires (information on parent lines and breeding schemes excluded)
- Proposals for variety denomination
- Official variety descriptions
- Photos taken by the Examination Office
- Decisions to grant and refuse applications
- Decisions to cancel and declare a protected variety null and void

72. The Delegation of the European Union explained that, to avoid the issues on improper use of official variety descriptions and technical information and photos provided by applicants, the CPVO would publish a disclaimer which provided information on the status of such documents, as well as its appropriate use (Official variety descriptions published on the CPVO website are property of the CPVO or of a national authority and shall not be used for official registration purposes (national list and/or plant breeders' rights), unless the CPVO had given its consent in writing.

#### Variety description databases

73. The TC considered document TC/46/9.

74. The TC noted the information provided on variety description databases at the sessions of the TWV and TWF.

75. In relation to the report in document TC/46/9, paragraph 3, the TC heard that the Netherlands had not started to publish its variety descriptions on its website. The TC agreed that the common search platform / portal, to be developed under the UPOV-WIPO arrangement concerning the UPOV-ROM, should be extended to cover variety description databases. The Delegation of Australia indicated its willingness to provide a link to its variety description information through such a facility.

#### Exchangeable software

76. The TC considered documents TC/46/12 and UPOV/INF/Software Draft 3.

77. The TC agreed that, subject to agreement by the CAJ, document UPOV/INF/Software Draft 3 should be put forward for adoption by the Council at its forty-fourth ordinary session, to be held in Geneva on October 21, 2010. The TC noted

that the French, German and Spanish translations of the original English text would be checked by the relevant members of the Editorial Committee prior to submission of the draft of document UPOV/INF/Software to the Council.

78. The TC approved the translation into English of the user guide for the SIRIUS system for data capture by the Office of the Union, on the basis that the experts from France would check, and also be responsible for, the English version.

79. The TC noted that, at its twenty-eighth session, to be held in Angers, France, from June 29 to July 2, 2010, the TWC would receive a presentation by an expert from the European Union on software for assessing similarity of denominations, developed by the CPVO. The Delegation of the European Union explained that it would also like to offer access to its complete variety denomination database, including the variety denomination similarity tool, to members of the Union. The log-in and password would be provided on request to the CPVO by e-mail (cpvo@cpvo.europa.eu).

#### Electronic application systems

80. The TC considered document TC/46/13.

81. The TC recalled that, as reported under agenda item 6 “TGP Documents”, the CAJ, at its sixty-first session, would be invited to consider a proposal for text to be added to document TGP/5: Section 2 “UPOV Model Form for the Application for Plant Breeders’ Rights”, in order to explain the standard references in the UPOV Model Application Form.

82. The TC agreed to propose to the CAJ that inclusion of an explanation of the standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of document TC/46/13, would benefit from discussion in the TWPs and TC and should not be included in document TGP/7/2, but should be considered for a future revision of document TGP/7 (document TGP/7/3).

83. The Delegation of the European Union recalled that, in principle, it had supported the Proposal 2 approach, but explained that it had already developed an electronic application system that would preclude such an approach without starting a new system from the beginning. It was explained that the CPVO had launched an online application system and was encouraging the individual member States of the European Union to adopt that system for plant breeder’s right and national list purposes. The CPVO had developed its own software and use of the system was not restricted by other parties. It planned to make that system available in French, German and Dutch. In response to a question from the Vice Secretary-General, the Delegation of the European Union explained that the system would be made available to the member States of the European Union in the first instance, but as a second step, consideration could be given to making that system available to members of the Union.

#### Method of Calculation of COYU

84. The TC considered document TC/46/11.

85. The TC noted the developments concerning the method of calculation of COYU as set out in document TC/46/11, paragraphs 7 to 11, and requested the TWC to make proposals to

address the bias in the present method of calculation of COYU. The TC noted the observation at the twenty-seventh session of the TWC, that the way COYU made the calculations at the moment was acceptable, but it was nevertheless desirable to find a solution.

#### Assessing uniformity by off-types on the basis of more than one sample or sub-samples

86. The TC considered document TC/46/14.

87. The TC agreed that the TWV, at its forty-fourth session, to be held in Veliko Tarnovo, Bulgaria, from July 5 to 9, 2010, should be invited to agree a vegetable crop for inclusion in the questionnaire. The Office of the Union would complete and issue the questionnaire after a vegetable crop had been selected by the TWV. The TC agreed that the translation of the questionnaire should be checked by the relevant language experts of the Editorial Committee and also agreed that paragraph 1.4 should be elaborated to explain that the process and the way in which the data was obtained and used in the decision-making process should be reflected in the responses to the questionnaire.

88. The TC requested the Office of the Union to send the questionnaire to the TC representatives of the members of the Union for completion, and to provide a document compiling the replies for consideration at the forty-seventh session of the TC. The TC also requested that the document identify any matters that might be considered in relation to the revision of document TGP/8.

#### Preparatory workshops

89. The TC noted the report of the preparatory workshops held in 2009 and agreed the proposals for the programs for the preparatory workshops to be held in 2010, as set out in document TC/46/10.

#### List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability

90. The TC noted the information provided in document TC/46/4 and heard that the number of genera and species for which members of the Union had practical experience had increased from 2,209 in 2009 to 2,254 in 2010.

91. The TC agreed that document TC/46/4 should be updated for the forty-seventh session of the TC.

#### Test Guidelines

92. The TC considered document TC/46/2.

93. The TC noted that the Council, at its forty-third ordinary session, held in Geneva on October 22, 2009, had endorsed the practice whereby Test Guidelines were adopted by the TC on behalf of the Council on the basis of the program of work approved by the Council, without the individual Test Guidelines being submitted to the Council for review (see document C/43/16 "Report on the decisions", paragraphs 34 and 35)



94. The TC agreed, on the basis of the recommendation of the Enlarged Editorial Committee, that the Test Guidelines for *Vriesea* should be referred back to the TWO, for completion of the missing information.

95. The TC adopted the Test Guidelines listed in the table below on the basis of the amendments, as specified in Annex II to this document, which was circulated in advance, and the linguistic changes recommended by the TC-EDC:

| Document No.<br>N° du document<br>Dokument-Nr.<br>No del documento | English  | Français  | Deutsch                                 | Español  | Botanical name<br>Nom botanique<br>Botanischer Name<br>Nombre botánico   |
|--|--|---|---|--|--|
| <b><u>NEW TEST GUIDELINES</u></b>                                  |  |   |   |  |  |
| TG/AGARIC(proj.5)  | Agaricus Mushroom,<br>Button Mushroom  | Agaric,<br>Champignon de Paris                        | Champignon                              | Champiñón  | Agaricus bisporus L.;<br>Agaricus bitorquis L.;<br>Agaricus arvensis L.  |
| TG/BUDDL(proj.7)   | Buddleia,<br>Butterfly-bush  | Buddleia,<br>Arbre aux papillons                      | Buddleie,<br>Schmetterlings-<br>strauch | Budleya, Mariposa                                  | Buddleja L.  |
| TG/FIG(proj.6)   | Fig  | Figuier   | Echte Feige, Feige                      | Higuera  | Ficus carica L.  |
| TG/GAURA(proj.4)   | Gaura  | Gaura   | Prachtkerze                             | Gaura  | Gaura L.   |
| TG/GYPSO(proj.7)   | Baby's Breath, Gyp,<br>Gypsophila  | Gypsophile  | Gipskraut,<br>Schleierkraut             | Gipsófila  | Gypsophila L.  |
| TG/PAPAY(proj.6)   | Papaya, Papaw  | Papayer   | Melonenbaum,<br>Papaya                  | Papayo, Lechosa                                    | Carica papaya L.   |
| TG/PRL_MIL(proj.8)   | Pearl Millet   | Pénicillaire,<br>Mil à chandelle,<br>Mil Pénicillaire | Federborstengras                        | Panizo de Daimiel,<br>Panizo mamozo,<br>Mijo Perla | Pennisetum glaucum (L.) R. Br.,<br>Pennisetum americanum (L.)<br>Leeke, Pennisetum typhoides<br>(Burm.f.) Stapf C.E. Hubb. |
| TG/SWEETPOT(proj.6)  | Sweet Potato   | Patate douce  | Batate, Süßkartoffel                    | Camote, Batata                                     | Ipomoea batatas (L.) Lam.  |
| <b><u>REVISIONS OF TEST GUIDELINES</u></b>                         |  |   |   |  |  |
| TG/53/7(proj.2)  | Peach  | Pêcher  | Pfirsich                                | Durazno,<br>Melocotonero                           | Prunus persica (L.) Batsch,<br>Persica vulgaris Mill., Prunus L.<br>subg. Persica  |
| TG/59/7(proj.6)  | Lily   | Lys   | Lilie                                   | Lily, azucena, lirio                               | Lilium L.  |
| TG/116/4(proj.3)   | Black Salsify,<br>Scorzonera   | Salsifis noir,<br>Scorsonère                          | Schwarzwurzel                           | Escorzonera,<br>Salsifi negro                      | Scorzonera hispanica L.  |
| TG/123/4(proj.8)   | Banana,<br>Cavendish banana,<br>Chinese banana,<br>Dwarf banana;<br>Plantain,<br>Pomme banana,<br>Silk banana,<br>Banana sucrier | Banancier,<br>Banancier nain; -                       | Banane,<br>Zwergbanane; -               | Bananera, Banano,<br>Platanera, Plátano; -         | Musa acuminata Colla;<br>Musa ×paradisiaca L.<br>(M. acuminata Colla × M.<br>balbisiana Colla)                             |
| TG/130/4(proj.3)   | Asparagus  | Asperge   | Spargel                                 | Espárrago  | Asparagus officinalis L.   |
| TG/133/4(proj.4)   | Hydrangea  | Hortensia   | Hortensie                               | Hortensia,<br>Hidrangea                            | Hydrangea L.   |
| <b><u>PARTIAL REVISIONS OF TEST GUIDELINES</u></b>                 |  |   |   |  |  |
| TG/11/8 Rev.(TC/46/2)  | Rose   | Rosier  | Rose                                    | Rosal  | Rosa L.  |
| TG/176/4 Rev. (TC/46/2)  | Osteospermum; -  | Ostéospermum; -                                       | Osteospermum; -                         | Osteospermum; -                                    | Osteospermum L.; hybrids with<br>Dimorphotheca Vaill.  |

96. The TC agreed that the Test Guidelines for Banana be adopted subject to the amendments to the example varieties, proposed by the Leading Expert, being approved by the TWF by correspondence.

97. The TC agreed that the Test Guidelines for Fig be adopted subject to the amendments to the example varieties, proposed by the Leading Expert, being approved by the TWF by correspondence.

98. The TC agreed that the Test Guidelines for Asparagus be adopted subject to characteristic 9 “Spear: opening of bracts”, being completed and approved by the TWV by correspondence.

99. The TC agreed that the Test Guidelines for Papaya should be adopted on the basis that they would apply to vegetatively propagated varieties. It agreed that the TWPs should be invited to consider how to address the DUS examination of seed-propagated varieties of Papaya on the basis of a document to be prepared by the Leading Expert, Mr. Alejandro Barrientos-Priego (Mexico), and the Office of the Union with a view to revising the Test Guidelines for Papaya to include seed-propagated varieties at the earliest opportunity. It also agreed that the CAJ should be invited to consider that matter.

100. The TC noted the corrections made to the Test Guidelines for Chrysanthemum (document TG/26/5 Corr.2) and the Test Guidelines for Zonal Pelargonium, Ivy-Leaved Pelargonium (document TG/28/9 Corr.), as set out in document TC/46/2, paragraphs 12 to 15.

101. The TC agreed the program for the development of new Test Guidelines and for the revision of Test Guidelines, as shown in document TC/46/2, Annex II, subject to:

- (a) reconsideration of the Test Guidelines for Vriesea by the TWO; and
- (b) withdrawal of draft Test Guidelines for Rhodes grass (*Chloris gayana* Kunth), Groundnut (*Arachis* L.) and Common Vetch, which the Leading Experts had indicated would not be available for consideration at the thirty-ninth session of the TWA and the draft Test Guidelines for Tomato Rootstock (*Lycopersicon* (excluding *Lycopersicon esculentum* Mill.)), which the Leading Expert had indicated would not be available for consideration at the forty-fourth session, of the TWV.

102. The TC noted the status of the existing Test Guidelines as listed in Annex III to document TC/46/2.

103. The TC noted the list of adopted Test Guidelines that have since been replaced, as presented in Annex IV to document TC/46/2, and the plans of the Office of the Union to make copies of all previous adopted versions of Test Guidelines available on the first restricted area of the UPOV website in due course.

104. The TC noted that it had agreed the consideration of whether and how new characteristics and new states of expression notified by means of document TGP/5, Section 10 “Notification of Additional Characteristics”, should be presented for consideration at the session of the relevant TWP(s) and the TC before they were presented on the password-restricted area of the UPOV website under agenda item 6 “TGP documents” (see paragraphs 33 and 34).

#### Chairperson and Vice-Chairperson

105. The TC noted that the chairmanship of Mr. Chris Barnaby (New Zealand) would expire with the closing of the forthcoming ordinary session of the Council in October. It proposed to

the Council that it elect Mr. Joël Guiard (France) as new Chairperson and Mr. Alejandro Barrientos-Priego (Mexico) as new Vice-Chairperson of the TC for the forthcoming three-year term.

Program for the forty-seventh session

106. The following draft agenda was agreed for the forty-seventh session of the TC, to be held in Geneva in 2011:

1. Opening of the session
2. Adoption of the agenda
3. Report on developments in UPOV including relevant matters discussed in the last sessions of the Administrative and Legal Committee, the Consultative Committee and the Council (oral report by the Vice Secretary-General)
4. Progress reports on the work of the Technical Working Parties, including the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT), and the *Ad Hoc* Crop Subgroups on Molecular Techniques
5. Matters arising from the Technical Working Parties
6. TGP documents
7. Molecular techniques
8. Variety denominations
9. UPOV information databases
10. Variety description databases
11. Exchangeable software
12. Electronic application systems
13. Method of calculation of COYU
14. Assessing uniformity by off-types on the basis of more than one sample or sub-samples
15. Preparatory workshops
16. Test Guidelines
17. List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability
18. Program for the forty-eighth session
19. Adoption of the report on the conclusions (if time permits)
20. Closing of the session

*107. The TC adopted this report at the close of its session on March 24, 2010.*

[Annexes follow]

ANNEXE I / ANNEX I / ANLAGE I / ANEXO I

LISTE DES PARTICIPANTS / LIST OF PARTICIPANTS /  
TEILNEHMERLISTE / LISTA DE PARTICIPANTES

(dans l'ordre alphabétique des noms français des États /  
in the alphabetical order of the French names of the States /  
in alphabetischer Reihenfolge der französischen Namen der Staaten /  
por orden alfabético de los nombres en francés de los Estados)

I. MEMBRES / MEMBERS / VERBANDSMITGLIEDER / MIEMBROS

AFRIQUE DU SUD / SOUTH AFRICA / SÜDAFRIKA / SUDÁFRICA

Noluthando NETNOU-NKOANA (Mrs.), Registrar: Plant Breeders' Rights Act, Directorate: Genetic Resources, Department of Agriculture, Forestry and Fisheries, 257 Harvest House, 30 Hamilton Street, Private Bag X973, 0001 Pretoria  
(tel.: +27 12 319 6183 fax: +27 12 319 6385 e-mail: noluthandon@daff.gov.za)

Petzer CARENSA (Ms.), Chief Plant Variety Examiner, Directorate: Genetic Resources, National Department of Agriculture, Private Bag X 5044, Stellenbosch  
(tel.: +27 21 8091653 fax: +27 21 8092264 e-mail: carensap@nda.agric.za)

ALLEMAGNE / GERMANY / DEUTSCHLAND / ALEMANIA

Andrea MENNE (Ms.), Head, Section DUS Testing Ornamentals, Bundessortenamt, Osterfelddamm 80, 30627 Hannover  
(tel.: +49 511 956 65723 fax: +49 511 956 69719  
e-mail: andrea.menne@bundessortenamt.de)

Beate RÜCKER (Frau), Abteilungsleiterin Registerprüfung, Bundessortenamt, Postfach 61 04 40, 30627 Hannover  
(tel.: +49 511 956 6639 fax: +49 511 5633 62 e-mail: Beate.Ruecker@bundessortenamt.de)

ARGENTINE / ARGENTINA / ARGENTINIEN / ARGENTINA

Marcelo Daniel LABARTA, Director de Registro de Variedades, Instituto Nacional de Semillas (INASE), Av. Paseo Colón 922, 3 piso, of. 347, 1063 Buenos Aires  
(tel.: +54 11 4349 2445 fax: +54 11 4349 2444 e-mail: mlabarta@inase.gov.ar)

Carmen Amelia M. GIANNI (Sra.), Coordinadora de Propiedad Intelectual / Recursos Fitogenéticos, Instituto Nacional de Semillas (INASE), Paseo Colón 922, 3 piso, of. 344, 1063 Buenos Aires  
(tel.: +54 11 4349 2398 e-mail: cgianni@inase.gov.ar)

María Laura VILLAMAYOR (Srta.), Abogada, Coordinación de Propiedad Intelectual, Instituto Nacional de Semillas (INASE), Paseo Colón 922, 3 piso, of. 344, 1063 Buenos Aires  
(tel.: +54 11 4349 2398 e-mail: mlvillamayor@inase.gov.ar)

Juan Pablo GENTILE, Examinador de Variedades Frutales, Forestales y Ornamentales, Instituto Nacional de Semillas (INASE), Paseo Colon 922 3 piso Of 347, Ciudad de Buenos Aires, Capital Federal 1063  
(tel.: +54 11 4349 2444 fax: +54 11 4349 2444 e-mail: jgentile@inase.gov.ar)

AUSTRALIE / AUSTRALIA / AUSTRALIEN / AUSTRALIA

Doug WATERHOUSE, Chief, Plant Breeder's Rights Office, IP Australia, P.O. Box 200, Woden ACT 2606  
(tel.: +61 2 6283 7981 fax: +61 2 6283 7999 e-mail: doug.waterhouse@ipaustralia.gov.au)

BRÉSIL / BRAZIL / BRASILIEN / BRASIL

Daniela DE MORAES AVIANI (Mrs.), Coordinator, National Plant Variety Protection Service (SNPC), Ministry of Agriculture, Livestock and Supply, Esplanada dos Ministérios, Bloco 'D', Anexo A, Sala 249, Brasília, D.F.70043-900  
(tel.: +55 61 3218 2549 / 2547 fax: +55 61 3224 2842  
e-mail: daniela.aviani@agricultura.gov.br)

Ricardo ZANATTA MACHADO, Federal Agricultural Inspector, National Plant Variety Protection Service (SNPC), Esplanada dos Ministérios, Bloco "D" Anexo "A", 2o andar, sala 250, 70043-900 Brasília, D.F.  
(tel.: +55 61 3218 2549 fax: +55 61 3224 2842 e-mail: ricardo.machado@agricultura.gov.br)

CANADA / KANADA / CANADÁ

Michel CORMIER, Commissioner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), 59, Camelot Drive, Ottawa Ontario K1A 0Y9  
(tel.: +1 613 221 7527 fax: +1 613 228 4552 e-mail: michel.cormier@inspection.gc.ca)

Sandy MARSHALL (Ms.), Senior Policy Specialist, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), 59 Camelot Drive, Ottawa Ontario K1A 0Y9  
(tel.: +1 613 221 7525 fax: +1 613 228 4552 e-mail: sandy.marshall@inspection.gc.ca)

CHILE / CHILI / CHILE / CHILE

Manuel TORO UGALDE, Encargado Registro de Variedades Protegidas, Division Semillas, Servicio Agrícola y Ganadero (SAG), Avda Bulnes 140, piso 2, 1167-21 Santiago de Chile  
(tel.: +56 2 3690830 fax: +56 2 6972179 e-mail: manuel.toro@sag.gob.cl)

Andres GUGGIANA, Consejero, Misión Permanente, 58, rue Moillebeau, 1211 Ginebra, Suiza  
(tel.: +41 22 919 8800 fax: +41 22 734 5297 e-mail: andres.guggiana@misionchileomc.ch)

CHINE / CHINA / CHINA / CHINA

Lǚ Bo, Director, Division for Plant Variety Protection, Development Center for Science & Technology, Ministry of Agriculture, 18, Mai Zi Dian Street, Chaoyang District, Beijing 100125  
(tel.: +86 10 659 21326 fax: +86 10 659 23176 e-mail: lvbo@agri.gov.cn)

HUANG Faji, Deputy Division Director, Office for the Protection of New Plant Varieties, State Forestry Administration, East Street 18, Hepingli, Dongcheng District, Beijing 100714  
(tel.: +86 10 8423 9104 fax: +86 10 8423 8883 e-mail: huangfaji@cnpvp.net)

ZHENG Yongqi, DUS Test Specialist, Laboratory of Molecular Testing of New Plant Varieties, Office of Protection of New Varieties of Plants, State Forestry Administration, Hepingli East St. 18, Dongcheng Dis, Beijing 100714  
(tel.: +86 10 8423 9104 fax: +86 10 8423 8883 e-mail: zhengyq@caf.ac.cn)

YIN Yanling (Ms.), Official, International Cooperation Division Two, International Cooperation Department State Intellectual Property Office of the People's Republic of China (SIPO), P.O. Box 8020, Beijing 100088

COLOMBIE / COLOMBIA / KOLUMBIEN / COLOMBIA

Ana Luisa DÍAZ JIMÉNEZ (Sra.), Directora Técnica de Semillas, Dirección Técnica de Semillas, Instituto Colombiano Agropecuario (ICA), Calle 37, # 8-43, Ed. Colgas, Of 409, Bogotá D.C.  
(tel.: +57 1 232 8643 fax: +57 1 232 4697 e-mail: ana.diaz@ica.gov.co)

CROATIE / CROATIA / KROATIEN / CROACIA

Ružica ORE-JURIĆ (Mrs.), Head of Plant Variety Protection and Registration, Institute for Seeds and Seedlings, Vinkovacka cesta 63c, HR-31 000 Osijek  
(tel.: +385 31 275 715 fax: +385 31 275 208 e-mail: r.ore@zsr.hr)

DANEMARK / DENMARK / DÄNEMARK / DINAMARCA

Gerhard DENEKEN, Head, Division of Variety Testing, Plant Directorate, Ministry of Food, Agriculture and Fisheries, Teglværksvej 10, Tystofte, DK-4230 Skaelskoer  
(tel.: +45 5816 0601 fax: +45 58 160606 e-mail: gde@pdir.dk)

ESPAGNE / SPAIN / SPANIEN / ESPAÑA

Luis SALAICES, Jefe de Área del Registro de Variedades, Oficina Española de Variedades Vegetales (OEVV), Ministerio de Medio Ambiente y Medio Rural y Marino (MARM), Calle Alfonso XII, No. 62, 2a Planta, E-28014 Madrid  
(tel.: +34 91 3476712 fax: +34 91 3476703 e-mail: luis.salaices@mapa.es)

David CALVACHE QUESADA, Director del Centro de Investigación de Variedades en Valencia, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA), c/ Joaquín Ballester No. 39, E-46009 Valencia  
(tel.: +34 96 307 9604 fax: +34 96 307 9602 e-mail: oevvval@teleline.es)

Pedro Miguel CHOMÉ FUSTER, Jefe de Area de Recursos Fitogeneticos, Oficina Española de Variedades Vegetales (OEVV), Ministerio de Medio Ambiente y Medio Rural y Marino (MARM), Calle Alfonso XII, No. 62, E-28014 Madrid  
(tel.: +34 91 3476913 fax: +34 91 3476703 e-mail: pchomefu@marm.es)

ESTONIE / ESTONIA / ESTLAND / ESTONIA

Pille ARDEL (Mrs.), Head, Variety Department, Estonian Agricultural Board, Vabaduse sq. 4, EE-71020 Viljandi  
(tel.: +372 4351240 fax: +372 4351241 e-mail: pille.ardel@pma.agri.ee)

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

Kitisri SUKHAPINDA (Ms.), Patent Attorney, Office of Intellectual Property Policy and Enforcement, U.S. Patent and Trademark Office (USPTO), Madison Building, West Wing, 600 Dulany Street, MDW 10A60, Alexandria VA 22314  
(tel.: +1 571 272 8047 fax: +1 571 273 0085 e-mail: kitisri.sukhapinda@uspto.gov)

James HOUSEL, Acting Dean and Attorney-Advisor, Office of Intellectual Property Policy and Enforcement, U.S. Patent and Trademark Office (USPTO), Madison Building, West Wing, 600 Dulany Street, MDW 10A60, Alexandria VA 22314  
(tel.: +1 571 272 9300 fax: +1 571 273 0123 e-mail: james.housel@uspto.gov)

Mark A. HERMELING, PVPO Examiner, U.S. Plant Variety Protection Office, United States Department of Agriculture (USDA), 100 North Sixth Street - 510C, Minneapolis MN 55403  
(tel.: +1 612 336 3435 fax: +1 612 336 3563 e-mail: mark.hermeling@usda.gov)

FINLANDE / FINLAND / FINNLAND / FINLANDIA

Kaarina PAAVILAINEN (Ms.), Senior Officer, Seed Certification, Finnish Food Safety Authority Evira, P.O. Box 111, FIN-32201 Loimaa  
(tel.: +358 20 7725 370 fax: +358 20 7725 317 e-mail: kaarina.paavilainen@evira.fi)

FRANCE / FRANKREICH / FRANCIA

Joël GUIARD, Directeur adjoint, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Rue Georges Morel, BP 90024, F-49071 Beaucouzé Cedex  
(tel.: +33 241 228637 fax: +33 241 228601 e-mail: joel.guiard@geves.fr)

Nicole BUSTIN (Mlle), Secrétaire général, Comité de la protection des obtentions végétales (CPOV), Ministère de l'agriculture et de la pêche, 11, rue Jean Nicot, F-75007 Paris  
(tel.: +33 1 4275 9314 fax: +33 1 4275 9425 email: nicole.bustin@geves.fr)

Muriel LIGHTBOURNE (Mme), Responsable juridique, Groupe d'étude et de contrôle des variétés et des semences (GEVES), rue Georges Morel, F-49071 Beaucouzé Cedex  
(tel.: +33 2 41 22 8596 fax: +33 2 41 22 8601 e-mail: muriel.lightbourne@geves.fr)

Virginie BERTOUX (Mlle), Expert, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Domaine du Magneraud, BP 52, F-17700 Surgères  
(tel.: +33 546 683082 fax: +33 546 693024 e-mail: virginie.bertoux@geves.fr)

HONGRIE / HUNGARY / UNGARN / HUNGRÍA

Katalin ERTSEY (Mrs.), Director, Directorate of Plant Production and Horticulture, Central Agricultural Office, Keleti Károly u. 24, H-1024 Budapest  
(tel.: +36 1 336 9114 fax: +36 1 336 9011 email: ertseyk@ommi.hu)

IRLANDE / IRELAND / IRLAND / IRLANDA

Donal COLEMAN, Controller of Plant Breeders' Rights, National Crop Testing Centre, Department of Agriculture, Backweston, Leixlip, Co. Kildare  
(tel.: +353 1 630 2902 fax: +353 1 628 0634 e-mail: donal.coleman@agriculture.gov.ie)

JAPON / JAPAN / JAPAN / JAPÓN

Satoshi ASANUMA, Director, Plant Variety Protection Office, 1-2-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8950  
(tel.: +81 3 6744 2118 fax: +81 3 3502 6572 e-mail: satoshi\_asanuma@nm.maff.go.jp)

Kenji NUMAGUCHI, Senior Examiner, Plant Variety Protection Office, 1-2-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8950  
(tel.: +81 3 6744 2118 fax: +81 3 3502 5301 e-mail: kenji\_numaguchi@nm.maff.go.jp)

Tsukasa KAWAKAMI, Associate Director, Intellectual Property Division, Agricultural Production Bureau, Ministry of Agriculture, Forestry and Fisheries, 1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo 100-8950  
(tel.: +81 3 6744 2118 fax: +81 3 3502 5301 e-mail: tsukasa\_kawakami@nm.maff.go.jp)

Shigeru YAMAMOTO, Director, DUS Test Department, Nishi-Nihon Station, National Centre for Seeds and Seedlings (NCSS), 91, Heisei-Cho, Kasaoka-Shi, Okayama-Ken 714-0054  
(tel.: +81 865 696644 fax: +81 865 660264 e-mail: sy1956@ncss.go.jp)

Yuichiro ISHII, Independent Administrative Institution, Tsukuba Headquarters, National Center for Seeds and Seedlings (NCSS), 2-2 Fujimoto, Tsukuba, Ibaraki-ken  
(e-mail: yichirou@affrc.go.jp)

Machiko NAITO (Ms.), Program Manager, Japan International Cooperation Center (JICE), East Asia Plant Variety Protection Forum Operation Office of Japan, Nittochi Nishi Shinjuku Building 19th Floor, 6-10-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-0023  
(tel.: +81 3 5322 2775 fax: +81 3 5322 2687 e-mail: naito.machiko@jice.org; naito.machiko@gmail.com)

MAROC / MOROCCO / MAROKKO / MARRUECOS

Amar TAHIRI, Chef du Division du contrôle des semences et plants, Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA), Ministère de l'agriculture et de la pêche maritime, B.P. 1308, rue Hafiane Cherkaoui, Rabat  
(tel.: +212 537 771085 fax: +212 537 779852 e-mail: amar.tahiri@gmail.com)

Zoubida TAOUSSI (Mme), Chef du Bureau d'Homologation et de la Protection des Obtentions Vegetales, Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA), Ministère de l'agriculture et de la pêche maritime, Rue Hassan II km 4, Station Debagh, B.P. 1308, Rabat  
(tel.: +212 537 77 10 85 fax: +212 537 77 98 52 e-mail: ztaoussi67@gmail.com)

Mohamed El-Mhamdi, Conseiller, Mission permanente du Royaume du Maroc auprès de l'Office des Nations Unies à Genève, 18a, Chemin Francois-Lehmann 1218, Case Postale 244, Grand Saconnex, Geneve  
(tel.: +41 22 791 8181 fax: +41 22 791 8180 e-mail: elmhamdi@mission-maroc.ch)



MEXIQUE / MEXICO / MEXIKO / MÉXICO

Enriqueta MOLINA MACÍAS (Srta.), Directora General, Servicio Nacional de Inspección y Certificación de Semillas (SNICS), Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación (SAGARPA), Av. Presidente Juárez, 13, Col. El Cortijo, Tlalnepantla, Estado de México 54000

(tel.: +52 55 3622 0667 fax: +52 55 3622 0670 e-mail: enriqueta.molina@sagarpa.gob.mx)

Eduardo PADILLA VACA, Subdirector, Registro de Variedades, Servicio Nacional de Inspección y Certificación de Semillas (SNICS), Av. Presidente Juárez 13, Col. El Cortijo, 54000 Tlalnepantla, Estado de México

(tel.: +52 55 3622 0667 al 69 fax: +52 55 3622 0670 e-mail: gat.snics@sagarpa.gob.mx)

Alejandro F. BARRIENTOS-PRIEGO, Professor-Investigator, Departamento de Fitotecnia, Universidad Autónoma Chapingo (UACH), Km. 38.5 Carretera México-Texcoco, CP 56230, Chapingo, Estado de México

(tel.: +52 595 952 1500 ext. 6260/6212/5079 fax: +52 595 9521642

e-mail: abarrien@gmail.com)

NORVÈGE / NORWAY / NORWEGEN / NORUEGA

Tor Erik JØRGENSEN, Head of Section, Norwegian Food Safety Authority, Felles postmottak, P.O. Box 383, N-2381 Brumunddal

(tel.: +47 6494 4393 fax: +47 6494 4411 e-mail: tor.erik.jorgensen@mattilsynet.no)

NOUVELLE-ZÉLANDE / NEW ZEALAND / NEUSEELAND / NUEVA ZELANDIA

Christopher J. BARNABY, Assistant Commissioner of Plant Variety Rights / Examiner, Plant Variety Rights Office (PVRO), Private Bag 4714, Christchurch 8140

(tel.: +64 3 9626206 fax: +64 3 9626202 e-mail: Chris.Barnaby@pvr.govt.nz)

OMAN / OMAN / OMÁN

Fatima AL-GHAZALI (Mrs.), Minister, Commercial Affairs, Permanent Mission, 3A, chemin de Roilbot, 1292 Chambésy

(tel.: +41 22 758 9664 fax: +41 22 758 1359 e-mail: ghazali92@hotmail.com)

PANAMA / PANAMA / PANAMÁ

Rafael Ernesto MONTERREY GONZÁLEZ, Jefe de Variedades Vegetales, Departamento Variedad Vegetal, Dirección de Propiedad Industrial, Ministerio de Comercio e Industrias, Avenida Ricardo J. Alfaro, Edificio Edisson Plaza, 2 Piso, 0815-01119 Ciudad de Panamá (tel.: +507 560 0600 fax: +507 560 0741 e-mail: rmonterrey@mici.gob.pa)

Eric Manuel CANDANEDO LAY, Presidente, Comité Técnico del COPOV, Coordinador, Unidad de Variedades Vegetales, Instituto de Investigación Agropecuario de Panamá (IDIAP), Edificio 162, Ciudad del Saber, Panamá

(tel.: +507 500 0519622 fax: +507 6672 3420 e-mail: e.candanedo@idiap.gob-pa)

PARAGUAY / PARAGUAY / PARAGUAY

Pastor ARIAS PASTORE, Director de la Dirección de Semillas (DISE), Servicio Nacional de Calidad y Sanidad Vegetal y de Semillas (SENAVE), Gaspar R. de Francia, 685 casi Ruta Mariscal Estigarribia, San Lorenzo  
(tel.: +595 21 584645 fax: +595 21 584645 e-mail: semillas@senave.goy.py)

Raúl Martínez Villalba, Segundo Secretario, Mission Permanente, 28<sup>a</sup>, chemin du Petit-Saconnex, 1209 Ginebra, Suiza  
(tel.: +41 22 740 32 11 fax: +41 22 740 3290 e-mail: mission.paraguay@ties.itu.int)

PAYS-BAS / NETHERLANDS / NIEDERLANDE / PAÍSES BAJOS

Kees VAN ETTEKOVEN, Head, Variety Testing Department, Naktuinbouw NL, Sotaweg 22, Postbus 40, NL-2370 AA Roelofarendsveen  
(tel.: +31 71 332 6128 fax: +31 71 332 6565 e-mail: c.v.ettekoven@naktuinbouw.nl)

POLOGNE / POLAND / POLEN / POLONIA

Julia BORYS (Ms.), Head, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), PL-63-022 Slupia Wielka  
(tel.: +48 61 285 2341 fax: +48 61 285 3558 e-mail: j.borys@coboru.pl)

PORTUGAL / PORTUGAL / PORTUGAL

Paula CRUZ DE CARVALHO (Mrs.), Head, Seeds, Varieties and Genetic Resources Unit, DGADR, Edificio 2, Tapada da Ajuda, P-1949-002 Lisboa  
(tel.: +351 21 3613229 fax: +351 21 3613222 e-mail: pcarvalho@dgadr.pt)

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

CHO Il-Ho, Director, Plant Variety Protection Division, Korea Seed and Variety Service (KSVS), Ministry of Food, Agriculture, Forestry and Fisheries (MIFAFF), Jungangno 328 (433 Anyang 6-Dong), Manan-gu, Anyang-Si, Gyeonggi-do 430-016  
(tel.: +82 31 467 0150 fax: +82 31 467 0116 e-mail: choilho@seed.go.kr)

CHOI Keun-Jin, Senior Examiner, Variety Testing Division, Korean Seed and Variety Service (KSVS), Ministry of Food, Agriculture, Forestry and Fisheries (MIFAFF), 233-1 Mangpodong Yongtonggu, Suwon, Gyeonggido 443-400  
(tel.: +82 31 8008 0210 fax: +82 31 203 7431 e-mail: kjchoi@seed.go.kr)

Chan-Woong PARK, Researcher, Variety Testing Division, Korea Seed and Variety Service (KSVS), Ministry of Agriculture, Fisheries and Food (MIFAFF), Jungang-ro 328, Manan-gu, Suwon, Anyang City, Kyunggi-do 430-016  
(tel.: +82 31 467 0173 fax: +82 31 467 0116 e-mail: chwopark@seed.go.kr)

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

Mihail MACHIDON, President, State Commission for Crops Variety Testing and Registration (SCCVTR), Bd. Stefan cel Mare, 162, C.P. 1873, MD-2004 Chisinau (tel.: +373-22-220300 fax: +373-22-211537 e-mail: csispmd@yahoo.com)

Ala GUȘAN (Mrs.), Deputy Head, Inventions, Plant Varieties and Utility Models Department, State Agency on Intellectual Property (AGEPI), 24/1 Andrei Doga str., MD-2024 Chisinau (tel.: +373 22 400582 fax: +373 22 440119 e-mail: office@agepi.md)

RÉPUBLIQUE DOMINICAINE / DOMINICAN REPUBLIC / DOMINIKANISCHE  
REPUBLIK / REPÚBLICA DOMINICANA

Luz Adelma GUILLÉN (Sra.), Encargada de la Oficina de Seguimiento a la Reforma y Modernización del Sector Agropecuario, Secretaría de Estado de Agricultura, Km 6.5 Autopista Duarte, Jardines del Norte, Santo Domingo, D.N. (tel.: 809 533 7522 Ext. 4815 fax: 809 533 5312 e-mail: laguillen@iicard.org)

RÉPUBLIQUE TCHÈQUE / CZECH REPUBLIC / TSCHECHISCHE REPUBLIK /  
REPÚBLICA CHECA

Radmila SAFARIKOVA (Mrs.), Head of Division, Central Institute for Supervising and Testing in Agriculture (UKZUZ), National Plant Variety Office, Hroznová 2, 656 06 Brno (tel.: +420 543 548 221 fax: +420 543 212 440 e-mail: radmila.safarikova@ukzuz.cz)

ROUMANIE / ROMANIA / RUMÄNIEN / RUMANIA

Maria Camelia MIREA (Mrs.), PVP Examiner, State Office for Inventions and Trademarks (OSIM), 5, Str. Ion Ghica, Sector 3, P.O.Box 52, 030044 Bucarest (tel.: +40 21 3159066 fax: +40 21 3123819 e-mail: mirea.camelia@osim.ro)

Cornelia Constanza MORARU (Ms.), Head, Legal Affairs Division, State Office for Inventions and Trademarks, 5, Ion Ghica Str., Sector 3, 030044 Bucarest (tel.: +40 21 313 2492 fax: +40 21 312 3819 e-mail: moraru.cornelia@osim.ro)

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

Andrew MITCHELL, Technical Manager, Plant Variety Rights Office (PVRO), The Food and Environment Research Agency (FERA), Whitehouse Lane, Huntingdon Road, Cambridge CB3 0LF (tel.: +44 1223 342 384 fax: +44 1223 342 386 e-mail: andy.mitchell@defra.gsi.gov.uk)

SLOVAQUIE / SLOVAKIA / SLOWAKEI / ESLOVAQUIA

Bronislava BÁTOROVÁ (Mrs.), National Coordinator, Senior Officer, Department of Variety Testing, Central Controlling and Testing Institute in Agriculture (ÚKSÚP), Akademická 4, SK-949 01 Nitra (tel.: +421 37 655 1080 fax: +421 37 652 3086 e-mail: bronislava.batorova@uksup.sk)

TUNISIE / TUNISIA / TUNESIEN / TÚNEZ

Kacem CHAMMAKHI, Ingénieur principal en horticulture / Chef de service, Homologation et Protection des obtentions végétales, Direction générale de la protection et du contrôle de la qualité des produits agricoles, Ministère de l'Agriculture, des ressources hydrauliques et de la pêche, 30, rue Alain Savary, 1002 Tunis  
(tel.: +216 71 788979 fax: +216 71 784419 e-mail: kacemchammakhi@ymail.com)

UNION EUROPÉENNE / EUROPEAN UNION / EUROPÄISCHE UNION / UNIÓN EUROPEA

Jacques GENNATAS, Conseiller du Directeur Général Adjoint, Direction Générale Santé et Consommateurs, Commission européenne, 101 rue Froissart, Office: F 101 09/38, 1040 Bruxelles  
(tel.: +32 2 295 9713 fax: +32 2 297 9510 e-mail: jacques.gennatas@ec.europa.eu)

Carlos GODINHO, Vice-President, Community Plant Variety Office (CPVO), 3, boulevard Maréchal Foch, B.P. 10121, 49101 Angers Cedex 02  
(tel.: +33 2 4125 6413 fax: +33 2 4125 6410 e-mail: godinho@cpvo.europa.eu)

Dirk THEOBALD, Head of the Technical Unit, Community Plant Variety Office (CPVO), 3, boulevard Maréchal Foch, B.P. 10121, 49101 Angers Cedex 02  
(tel.: +33 2 4125 6442 fax: +33 2 4125 6410 e-mail: theobald@cpvo.europa.eu)

URUGUAY / URUGUAY / URUGUAY / URUGUAY

Gerardo CAMPS, Gerente, Registros y Evaluación de Cultivares, Instituto Nacional de Semillas (INASE), Cno. Bertolloti s/n y R-8 Km 29, Pando, 91001 Canelones  
(tel.: +598 2 288 7099 fax: +598 2 288 7077 e-mail: gcamps@inase.org.uy)

Lucia TRUCILLO (Sra.), Ministro, Misión permanente, 65, rue de Lausanne, CH-1202 Ginebra, Suiza  
(tel.: +41 22 731 3307 fax: +41 22 731 5650 e-mail: lucia.trucillo@urugi.ch)

VIET NAM / VIETNAM / VIET NAM

Thanh Minh NGUYEN, Senior Officer, Plant Variety Protection Office (PVPO), Department of Crop Production (DCP), Ministry of Agriculture and Rural Development (MARD), Room 404 A6B, Building No. 2 Ngoc Ha Str, Ba Dinh District, Hanoi 844  
(tel.: +84 4 38435182 fax: +84 4 37342844 e-mail: minh\_pvp@yahoo.com)

II. OBSERVATEURS / OBSERVERS / BEOBACHTER / OBSERVADORES

CHYPRE / CYPRUS / ZYPERN / CHIPRE

Christina TSENTA (Ms.), Attaché, 66, rue du Grand Pré, CH-1202 Geneva, Switzerland  
(tel. +41 79 4351222 e-mail: christina.tsenta@cyprusmission.ch)

ÉGYPTE / EGYPT / ÄGYPTEN / EGIPTO

Salah Ahmed MOAWED, Head, Central Administration for Seed Testing and Certification (CASC), P.O.Box 147, 8 Gamaa Street, Giza, 12211 Cairo  
(tel.: +202 35720839 fax: +202 35725998 e-mail: salahmoawed@casc-eg.com)

Samy SALLAM, Head, Plant Variety Protection Office, 8, Elgamaa St., P.O. Box 147, Rabei El Geizy, 12211 Giza  
(tel.: +202 35728962 fax: +202 35728962 e-mail: samyeldeeb@casc-eg.com)

INDONÉSIE / INDONESIA / INDONESIAIEN / INDONESIA

Eri SOFIARI, Senior Advisor to Minister from Agriculture on Human Resources/PVP examiner, Center for Plant Variety Protection, Ministry of Agriculture, Jl.Harsono RM No. 3 E Bldg, 3rd Pl. Ragunan, Jakarta , PUSAT40391  
(tel.: +62 22 2786245 fax: +62 22 2786416 e-mail: esofiari@indosat.net.id)

KAZAKHSTAN / KAZAKHSTAN / KASACHSTAN / KAZAJSTÁN

Alma TOLEUKHANOVA (Mrs.), Senior Expert, Intellectual Property Committee, Committee for Intellectual Property Rights, Ministry of Justice of the Republic of Kazakhstan, 941 Orynbor, 473000 Astana  
(tel.: +87172 740618 fax: +87172 740750 e-mail: toleukhanova.a@minjust.kz)

Miras SHOIYNBAYEV, Attache, Permanent Mission of the Republic of Kazakhstan to the United Nations Office at Geneva, 10, chemin du Prunier, CH-1218 Grand-Saconnex, Geneva  
(tel. +41 22 7886600 fax: +41 22 7886602 e-mail: miras@kazakhstan-geneva.ch)

MALAISIE / MALAYSIA / MALAYSIA / MALASIA

Norma OTHMAN (Ms.), Director, Crop Quality Control Division, Department of Agriculture, Level 7, No. 30, Persiran Perdana, Precinct 4, Federal Government Administrative Centre, 62624 Putrajaya  
(tel.: +603 8870 3448 fax: +603 8888 7639 e-mail: norma@doa.gov.my)

Esa SULAIMAN, Principal Assistant Director, Department of Agriculture, Level 7, No. 30, Persiaran Perdana, Precinct 4, Putrajaya  
(tel.: +60 388 703449 fax: +60 388 887639 e-mail: esasulaiman@doa.gov.my)

MYANMAR / MYANMAR / MYANMAR

Myint AUNG, Deputy Director, Department of Agricultural Research, Seed Bank, Yezin, Nay Pyi Taw  
(tel.: +95 67 416531 fax: +95 67 416535 e-mail: myint.aung74@gmail.com)

Minn San THEIN, Assistant Research Officer, Department of Agricultural Research, Seed Bank, Yezin, Nay Pyi Taw  
(tel.: +95 67 416531 fax: +95 67 416535 e-mail: minsanthein@gmail.com)

PHILIPPINES / PHILIPPINEN / FILIPINAS

Vivencio R. MAMARIL, Supervising Agriculturist, Bureau of Plant Industry, 692 San Andres St., Malate, Manila  
(tel.: +63 2 525 7392 fax: +63 2 521 7650 e-mail: choymamaril@hotmail.com)

Elvira MORALES (Ms.), Agriculturist II, Bureau of Plant Industry, NSQCS Building, 692 St. Andres Street, Malate, Manila  
(tel.: +63 2 9292543 fax: +63 2 9292543 e-mail: elviemorales@yahoo.com)

RÉPUBLIQUE DÉMOCRATIQUE POPULAIRE LAO / LAO PEOPLE'S DEMOCRATIC REPUBLIC / DEMOKRATISCHE VOLKSREPUBLIK LAOS / REPÚBLICA DEMOCRÁTICA POPULAR LAO

Chay BOUNPHANOUSAY (Ms.), Deputy Director, Rice and Cash Crop Research Center, National Agriculture and Forestry Research, P.O. Box 811, Vientiane  
(tel.: +856 20 2482514 fax: +856 21 412349 e-mail: bb\_chdd@yahoo.com)

Khamphoui LOUANGLATH (Ms.), Director, Regulatory Division, Department of Agriculture, P.O. Box 811, Vientiane  
(tel.: +856 21 263490 fax: +856 21 412349 e-mail: phoui2@hotmail.com)

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

Patrick NGWEDIAGI, Registrar, Plant Breeders' Rights Office, Ministry of Agriculture, Food Security and Cooperatives, P.O. Box 9192, Dar es Salaam  
(tel.: +255 22 2861404 fax: +255 22 286 1403 e-mail: ngwedi@yahoo.com)

Audax Peter RUTABANZIBWA, Head, Legal Services, Ministry of Agriculture, Food Security and Cooperatives, P.O. Box 9192, Dar Es Salaam  
(tel.: +255 22 2862199 fax: +255 22 862077 e-mail: audax.rutabanzibwa@kilimo.go.tz)

THAÏLANDE / THAILAND / THAILAND / TAILANDIA

Weena PONGPATTANANON (Ms.), Deputy Director General, Department of Agriculture, Ministry of Agriculture and Cooperatives, Ministry of Agriculture and Cooperatives, Bangkok  
(tel.: +66 2 940 5418 fax: +66 2 579 4855 e-mail: weena.pong@gmail.com)

Chutima RATANASATIEN (Mrs.), Senior Agricultural Scientist, Plant Varieties Protection Division, Department of Agriculture, Department of Agriculture, 50 Phahonyothin Road, Ladyao, Chatuchak, 10900 Bangkok  
(tel.: +66 2 940 7214 fax: +66 2 561 4665 e-mail: chutima\_ratanasatien@yahoo.com)

III. ORGANISATIONS / ORGANIZATIONS /  
ORGANISATIONEN / ORGANIZACIONES

INTERNATIONAL SEED FEDERATION (ISF)

Marcel BRUINS, Secretary General, International Seed Federation (ISF),  
7, chemin du Reposoir, 1260 Nyon, Switzerland  
(tel.: +41 22 365 4420 fax: +41 22 365 4421 e-mail: isf@worldseed.org)

Stevan MADJARAC, Plant Variety Protection Manager, Law Team, Monsanto Company,  
800 N. Lindbergh Blvd, Mail Zone E1NA, St. Louis, MO 63167, United States of America  
(tel.: +1 314 6949676 fax: +1 314 6945311 e-mail: stevan.madjarac@monsanto.com)

EUROPEAN SEED ASSOCIATION (ESA)

Bert SCHOLTE, Technical Director, European Seed Association (ESA), 23, rue Luxembourg,  
1000 Brussels, Belgium  
(tel.: +32 2 743 2860 fax: +32 2 743 2869 e-mail: bertscholte@euroseeds.org)

Szonja CSÖRGÖ (Mrs), Manager, Intellectual Property & Legal Affairs, European Seed  
Association (ESA), 23, rue du Luxembourg, 1000 Bruxelles, Belgique  
(tel.: +32 2 742 2860 fax: +32 2 7432869 e-mail: szonjacsorto@euroseeds.org)

IV. BUREAU DE L'OMPI / OFFICE OF WIPO /  
BÜRO DER WIPO / OFICINA DE LA OMPI

Christophe MAZENC, Head, Global Database Section, Global Information Service

V. BUREAU / OFFICE / VORSITZ / OFICINA

Chris BARNABY, Chairman  
Joël GUIARD, Vice-Chairman

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

Francis GURRY, Secretary-General  
Rolf JÖRDENS, Vice Secretary-General  
Peter BUTTON, Technical Director  
Raimundo LAVIGNOLLE, Senior Counsellor  
Makoto TABATA, Senior Counsellor  
Yolanda HUERTA (Mrs.), Senior Legal Officer

[L'annexe II suit/  
Annex II follows/  
Anlage II folgt/  
Sigue el Anexo II]

## ANNEX II

AMENDMENTS TO THE DRAFT TEST GUIDELINES  
PRIOR TO THEIR ADOPTION AT THE FORTY-SIXTH SESSION OF  
THE TECHNICAL COMMITTEE (TC)

## 1. NEW TEST GUIDELINES

|             |                   |
|-------------|-------------------|
| Agaricus L. | TG/AGARIC(proj.5) |
|-------------|-------------------|

Changes to document TG/AGARIC(proj.4), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/AGARIC(proj.5)), submitted to the TC:

|                            |  |
|----------------------------|--|
| Alternative names (French) | to delete “Champignon” and add “Agaric”  |
| 3.1                        | to delete “(see also: Additional information: Life cycle of Agaricus in Chapter 8.3)” and add “The growing cycle is considered to be a flush.”, subject to checking with Leading Expert<br><i>Leading Expert: to read “The growing cycle is considered to be from spawning until the end of the first flush”</i> |
| 3.3                        | see comments to Ad. 12<br><i>Leading Expert: to add to Chapter 3.3.1 “In particular, the relative humidity should be between 85-95%.”</i>  |
| 3.4.1                      | to delete “preferably”   |
| 3.4.1                      | to indicate a number of fruit bodies that allows all characteristics to be observed, in accordance with the requirements of Chapter 3.4.2.<br><i>Leading Expert: to read “Each test should be designed to result in a total of at least 120 fruit bodies collected over the first flush...”</i>                  |
| 3.5                        | to read “Unless otherwise indicated, all observations should be made on 120 fruit bodies or parts taken from each of 120 fruit bodies. The fruit bodies should be distributed over the spawn sample.”  |
| 4.2.2                      | to delete second sentence  |
| Table of Chars.            | notes (a), (b), (c) to be replaced by one of the 5 specific growth stages specified in Ad. 14, 17. “Open Cap” stage to be related to one of those stages (see Chars. 15 to 18). To add a key for growth stage (based on Ad. 14, 17) as Chapter 8.3.<br><i>provided by Leading Expert</i>                         |
| Char. 1                    | to have the states: two (2); three (3); four (4)<br><i>Leading Expert: in addition, to move after Char. 14</i>   |
| Char. 5                    | to be indicated as PQ  |
| Char. 6                    | to check whether (a) is correct growth stage<br><i>Leading Expert: amended</i>   |
| Char. 12                   | to check whether there should be fewer than 9 notes<br><i>Leading Expert: no change</i>  |
| Char. 13                   | to check denominations for example varieties in state 4<br><i>Leading Expert: denomination to read “B 81”</i>  |
| Char. 14                   | to delete “the” and to check whether to delete reference to growth stage (a)<br><i>Leading Expert: amended</i>   |



|                          |  |
|--------------------------|--|
| Chars. 15, 16            | to check whether to be indicated as VG/MS<br><i>Leading Expert: agreed</i>   |
| Char. 18                 | to check whether to amend state 2 to read “plane” to avoid confusion with growth stage 5 in Ad. 14, 17<br><i>Leading Expert: agreed</i>  |
| Char. 19                 | to specify the organ (e.g. Cap)<br><i>Leading Expert: to read “Cap: discoloration of surface after rubbing” and to move after Char. 13</i>   |
| Char. 20                 | to delete note (c) and to add (+) with explanation of objective means of determining first day of harvest<br><i>provided by Leading Expert</i>   |
| Char. 21                 | to add (+) with explanation of objective means of determining first harvest and the peak of the first harvest<br><i>provided by Leading Expert and Leading Expert proposed to change the wording of the characteristic to “Time of peak of first flush”</i>  |
| 8.1                      | notes (a), (b), (c) to be replaced by one of the 5 specific growth stages specified in Ad. 14, 17. “Open Cap” stage to be related to one of those stages (see Chars. 15 to 18). To add a key for growth stage (based on Ad. 14, 17) as Chapter 8.3.<br><i>provided by Leading Expert</i>   |
| 8.1 (b)                  | to clarify “Records should preferably be made from first and second flush; the third flush may give some additional information.” in relation to comments on Chapter 3.1 above.<br><i>Leading Expert: amended</i>  |
| 8.1 (c)                  | to delete references to number of days and relate to a specific growth stage<br><i>Leading Expert: amended</i>   |
| 8.1 General illustration | - to become note (d) (i.e. note (a) after replacement of notes (a) to (c) by growth stages) and note to be added to relevant characteristics<br>- numbering of characteristics to be corrected<br>- illustration of characteristics to be consistent with growth stage indicated in Table of Chars.<br><i>Leading Expert: amended</i>  |
| Ad. 1                    | - labels for photographs to read “bisporic / trisporic / tetrasporic”<br>- to read “The average number of spores per basidium (ASN) is calculated as follows: $ASN = (300 + TSC - BSC) / 100$ , where BSC is the percentage of bisporic basidia and TSC is the percentage of tetrasporic basidia. BSC and TSC are based on counts of basidia on lamellar surface of fresh material on dry mount under light microscope (x400). Varieties with an average number of two spores have an ASN value of less than 2.5. Varieties with an average number of three spores have an ASN value between 2.5 and 3.5.— —Varieties with an average number of four spores have an ASN value greater than 3.5.” |
| Ad. 12                   | to delete all text and to specify the relative humidity for conducting the examination in Chapter 3.3<br><i>provided by Leading Expert (see Chapter 3.3)</i>   |
| Ad. 14, 17               | to update according to changes to Chapter 8.1<br><i>Leading Expert: explanations replaced by notes in Chapter 8.1</i>  |
| 8.3                      | to be deleted  |
| 9. (Singer,R.)           | to delete “and 80 pl.”   |
| TQ 5                     | to add Char. 20 (grouping characteristic)  |

|          |                  |
|----------|------------------|
| Buddleja | TG/BUDDL(proj.7) |
|----------|------------------|

Changes to document TG/BUDDL(proj.6), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/BUDDL(proj.7)), submitted to the TC:

|              |   |
|--------------|---|
| 2.2          | to resolve the conflict between Chapter 2.2 “The material is to be supplied in the form of plants capable of flowering and expressing all relevant characteristics of the variety during the first growing cycle.” and Chapter 3.3 “In particular, the examination of the characteristics should not be done in the first year of flowering.”<br><i>Leading Expert: delete second sentence of Chapter 3.3</i> |
| 3.1          | to read “The minimum duration of tests should normally be a single growing cycle.”  |
| 3.4          | to add a sentence indicating the growth stage at which the characteristics should be observed, unless otherwise indicated<br><i>Leading Expert: covered by Chapter 8.1(a)</i>   |
| 3.5          | to read: “Unless otherwise indicated, all observations should be made on 6 plants or parts taken from each of 6 plants.”  |
| 4.2          | to number the sub-paragraphs as 4.2.1 and 4.2.2   |
| 4.2(2)       | to read: “For the assessment of uniformity, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 6 plants, 1 off-type is allowed.”  |
| 5.3 (b)      | to correct the characteristic number to 17  |
| Char. 1      | to check whether note (a) to be deleted<br><i>Leading Expert: agreed</i>  |
| Char. 5      | to be indicated as QN   |
| Char. 7      | example variety to be provided for state 1 if available<br><i>Leading Expert: not available</i>   |
| Chars. 8, 9  | to provide example varieties for states 1 to 9, or to delete notes 1 and 9<br><i>Leading Expert: notes 1 and 9 to be deleted</i>  |
| Char. 11     | to read “Leaf blade: green color of upper side”   |
| Char. 11     | to check whether example variety for state 4 to read “Empire Blue” (capital “B”)<br><i>Leading Expert: agreed</i>   |
| Char. 25     | to delete “depth of”  |
| Char. 29     | to provide further example varieties<br><i>Leading Expert: not available</i>  |
| 8.1 (a)      | to check whether to read: “All characteristics on shoots are to be observed on the current year’s lateral shoots (see illustration below), at the base, just before flowering.” (i.e. delete reference to leaves)<br><i>Leading Expert: agreed</i>  |
| 8.1 (a), (b) | to check whether to refer to “shoots” (general illustration) or “lateral shoots” (notes (a) and (b))<br><i>Leading Expert: to refer to “lateral shoots”</i>   |
| 8.1 (b)      | to clarify reference to base<br><i>Leading Expert: reference to base to be deleted</i>  |
| 8.1 (c)      | to check whether to replace “principal” with “main” (see general illustration)<br><i>Leading Expert: agreed</i>   |
| 8.1 (c)      | to delete label for “Sepal” (not mentioned in Table of Chars.)  |

|        |  |
|--------|--|
| Ad. 1  | to provide improved illustration for state 2, if available<br><i>provided by Leading Expert</i>  |
| Ad. 12 | to become Ad. 10 and to read “Variegation is well defined areas of different colors, with less or no chlorophyll, especially as irregular patches or stripes.” |

|                             |                |
|-----------------------------|----------------|
| Fig ( <i>Ficus carica</i> ) | TG/FIG(proj.6) |
|-----------------------------|----------------|

Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines submitted to the TC:

|                   |  |
|-------------------|--|
| Char. 1           | <i>Leading Expert: to delete example variety “Col de dame”</i>   |
| Char. 2           | <i>Leading Expert: to replace example variety “Col de dame” with “Burreña”</i>   |
| Char. 6           | Spanish translation to be corrected and completed  |
| Char. 7           | Spanish translation to be corrected  |
| Char. 13          | <i>Leading Expert: example variety “Col Dama Blanco” to be deleted</i>   |
| Char. 18          | - to read “Only varieties with predominant leaf type: entire: Leaf: shape”<br>- state 4 to read “elliptic”   |
| Char. 20          | <i>Leading Expert: example varieties for state 3 to read “Albar, Doña María”</i>   |
| Char. 21          | - to delete “(petiole sinus)”<br>- state 4 to read “moderately calcarate”, state 5 to read “strongly calcarate”  |
| Chars. 21, 50, 51 | <i>Leading Expert: spelling of example variety to read “Bermejí”</i>   |
| Chars. 27, 54     | to delete “(obovate)” in state 4   |
| Char. 32          | <i>Leading Expert: example variety for state 3 to read “Doña María”</i>  |
| Char. 36          | <i>Leading Expert: to add example varieties “Granito, Conadria” for state 1</i>  |
| Char. 38          | to be indicated as QL  |
| Char. 42          | <i>Leading Expert: to add example varieties “Granito, Moisonière” for state 2</i>  |
| Char. 44          | <i>Leading Expert: spelling of example variety for state 7 to read “D’en Manel”</i>  |
| Char. 49          | to correct translations to correspond to Ad. 49  |
| Chars. 50, 76     | to delete “Fruit:”   |
| Chars. 51, 77     | to delete “formation”  |
| Char. 62          | <i>Leading Expert: to add comma between example varieties “Cornudella, Verdal”</i>   |
| Char. 63          | <i>Leading Expert: to add example varieties “Granito, Calabacita” for state 1</i>  |
| Char. 70          | <i>Leading Expert: example variety “Calabacilla” to be deleted from state 4</i>  |
| Char. 74          | <i>Leading Expert: spelling of example variety for state 1 to read “Calderona”</i>   |
| Char. 75          | to reposition note (c)   |
| Char. 78          | to delete “(leafing)”  |
| 8.1               | to read<br>“(a) <u>Tree/shoot</u> : observations on the tree and on the shoot should be made during winter, on trees that have fruited at least once.<br>“(b) <u>Leaf</u> : observations on the leaf should be made in summer on fully developed leaves from the middle third of a well developed current season’s shoot.<br>“(c) <u>Fruit</u> : observations on the fruit should be made on 25 fruits, 5 from each of 5 trees.” |

|            |  |
|------------|--|
| 8.1        | - to add new note for Chars. 25 to 48 and 50 to 77 to explain that “The main crop of fruit (fig) is produced on the current season’s shoots. The first crop of fruit (brevia) is produced on the one-year-old shoots.”<br>- to add new note to indicate all characteristics that should be observed at the stage of fruit ripeness for consumption |
| Ad. 1      | to delete “includes the trees with an insertion” in all states   |
| Ad. 3      | to read “Plant vigor is observed as the circumference of the trunk. The circumference should be measured at the same height above the ground for all varieties (e.g. 20 centimeters). It is of particular importance that the varieties are of the same age for the observation.”  |
| Ad. 8      | to check the indication of Group N200, which occurs in both brown group and grey group.  |
| Ad. 9, 10  | to read “The characteristic should be observed in the middle third of the one-year-old shoot”  |
| Ad. 13     | <i>Leading Expert: to read “... during the dormant vegetative state...”</i>  |
| Ad. 14     | to add label for arrow   |
| Ad. 16     | to read “Randomly select 10 one-year-old shoots per tree and count the number of leaves.”  |
| Ad. 17     | to delete text   |
| Ad. 20     | to correct title   |
| Ad. 27, 54 | to delete “(can be ovoid, round or obovoid)”   |
| Ad. 32, 59 | to add lines to indicate the top of the body of the fruit and the bottom of the stalk  |
| Ad. 37, 64 | to correct titles  |
| Ad. 43     | to add Ad. 70  |
| Ad. 49     | to add “(Northern hemisphere)” after months  |
| 8.3        | to delete inverted commas  |
| TQ 5.3     | to correct the example varieties for state 5   |
| TQ 7.3     | to be deleted  |

|                 |                  |
|-----------------|------------------|
| <i>Gaura</i> L. | TG/GAURA(proj.4) |
|-----------------|------------------|

(a) Changes to document TG/GAURA(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/GAURA(proj.4)), submitted to the TC:

|          |   |
|----------|---|
| 1.       | to delete “of the family <i>Onagraceae</i> ” (general policy to avoid reference to family that will also be proposed for document TGP/7/2)  |
| Char. 5  | to read “Plant: number of flowers” and Ad. 5 to read, for example, “The number of flowers should be observed as the number of flowers open on the plant at the time of full flowering.”<br><i>Leading Expert: agreed</i>                              |
| Char. 6  | - to read “Plant: growth habit”<br>- to check whether 9 states are distinguishable, or whether to reduce number of states<br>- to check whether this characteristic provides useful discrimination beyond Char. 3<br><i>Leading Expert: no change</i> |
| Char. 10 | to delete (+) and Ad. 10 (not necessary and some flowers are open, contrary to note (c))  |

|          |   |
|----------|---|
| Char. 14 | to be indicated as QN   |
| Char. 18 | to check whether “scattered” can be deleted in states 3 and 4<br><i>Leading Expert: agreed</i>                                    |
| Char. 19 | to check whether should be fewer than 9 notes<br><i>Leading Expert: no change</i>   |
| Char. 20 | to replace “cream” with “yellowish white”   |
| Char. 22 | to check whether “scattered” can be deleted in states 5 and 6<br><i>Leading Expert: agreed</i>                                    |
| Char. 24 | to delete “intensity of”  |
| Char. 34 | - state 3 to read “at margin”<br>- to check whether “scattered” can be deleted in states 5 and 6<br><i>Leading Expert: agreed</i> |
| Char. 34 | to provide more example varieties, or delete the single example variety<br><i>Leading Expert: no change</i>                       |
| Char. 36 | to replace “cream” with “yellowish white”   |
| Char. 38 | to be indicated as QN   |
| TQ 1     | to add “1.1 Genus”  |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|         |                            |
|---------|----------------------------|
| 8.1 (a) | to delete “in full flower” |
|---------|----------------------------|

|            |                  |
|------------|------------------|
| Gypsophila | TG/GYPSO(proj.7) |
|------------|------------------|

(a) Changes to document TG/GYPSO(proj.6), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/GYPSO(proj.7)), submitted to the TC:

|                |  |
|----------------|--|
| 1.             | to delete “of the family <i>Caryophyllaceae</i> ”  |
| 4.2.2          | to check whether to replace “20 plants” with “10 plants”<br><i>Leading Expert: agreed</i>  |
| Char. 1        | note (a) to be deleted and explanation to be moved to 8.2 as Ad. 1   |
| Char. 3        | to check whether to read “Stem: thickness” (see comment regarding Chars. 4, 5)<br><i>Leading Expert: agreed</i>  |
| Chars. 3, 4, 5 | to check whether Ad. 4, 5 to become note (new note (a)) in Chapter 8.1 and to add same note to Char. 3<br><i>Leading Expert: agreed</i>  |
| Chars. 3 to 7  | to check whether to have the order 6, 4, 3, 5, 7<br><i>Leading Expert: agreed</i>  |
| Char. 6        | to check whether this characteristic provides useful discrimination beyond Char. 4<br><i>Leading Expert: no change</i>   |
| Char. 7        | - to add “(excluding anthocyanin coloration)”<br><i>Leading Expert: agreed</i><br>- to check whether to add state “not visible”, for varieties with very strong anthocyanin coloration<br><i>Leading Expert: no change</i> |

|               |  |
|---------------|--|
| Char. 8       | to check whether to have the states: narrow elliptic (1); medium elliptic (2); ovate (3)<br><i>Leading Expert: agreed</i>  |
| Char. 9       | to check whether to be deleted because covered by Chars. 10, 11<br><i>Leading Expert: agreed</i>   |
| Char. 11      | to check whether to reverse the order of states 1 and 3<br><i>Leading Expert: agreed</i>   |
| Char. 12      | to check whether to be deleted - if does not provide useful discrimination beyond Char. 8 - or to consider combining with Char. 8<br><i>Leading Expert: characteristic to be deleted</i>           |
| Char. 15      | to add (+) and provide illustration, in particular to show difference between recurved and rolled downwards<br><i>Leading Expert: no change</i>  |
| Chars. 19, 24 | to add (+) and provide illustration to show difference between the two characteristics<br><i>provided by Leading Expert</i>  |
| Char. 23      | to add (*) (grouping characteristic)   |
| Char. 24      | to be indicated as QN  |
| Char. 30      | to write states in words (e.g. "five" etc.)  |
| Char. 31      | to check whether to have the states: absent or weak (1); medium (2); strong (3)<br><i>Leading Expert: agreed</i>   |
| Char. 33      | to read "Calyx: size of lobes"   |
| Char. 34      | to delete note (b)   |
| 8.1 (a)       | to be moved to 8.1 (see Char. 1 comment) and to provide an explanation of the stage of development at which to be observed, rather than a time after planting<br><i>provided by Leading Expert</i> |
| 8.1 (b)       | to read: "Observations should be made at the time of beginning of flowering (see Ad. 34)".   |
| 8.1 (d)       | to read: "Observations should be made at time of full flowering (at least 10% of flowers fully open)."   |
| Ad. 4, 5      | to check whether to explain to be observed on main stem (see also comments to Chars. 3, 4, 5)<br><i>Leading Expert: agreed</i>   |
| Ad. 14        | to delete lower row of illustrations   |
| TQ 5          | to check whether to add Char. 23 (grouping characteristic)<br><i>Leading Expert: agreed</i>  |
| TQ 5.3(i)     | to check whether to delete (RHS Colour Chart not used in Table of Chars.)<br><i>Leading Expert: agreed</i>   |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|          |                               |
|----------|-------------------------------|
| Char. 10 | states 2 and 3 to be reversed |
|----------|-------------------------------|

|                                   |                   |
|-----------------------------------|-------------------|
| Papaya ( <i>Carica papaya</i> L.) | TG/PAPAYA(proj.5) |
|-----------------------------------|-------------------|

Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines submitted to the TC:

|                 |  |
|-----------------|--|
| 1.              | to read “These Test Guidelines apply to vegetatively propagated varieties of <i>Carica papaya</i> L.” and to make the necessary amendments in Chapters 2, 3, 4 and TQ 4. To invite the TC to consider how to address seed-propagated varieties.<br><i>Leading Expert: agreed</i> |
| 5.3 (a)         | to correct wording according to Char. 2  |
| 5.3 (c)         | to refer to Char. 22 and to correct wording  |
| 5.3 (d)         | to refer to Char. 23 and to correct wording  |
| Char. 2         | to read “Plant: height of attachment of first inflorescence”   |
| Char. 5         | to delete “from ground to first flower” and move to Chapter 8  |
| Char. 6         | to delete “half-way between ground and first flower” and move to Chapter 8   |
| Char. 9         | to have notes 1, 2, 3<br><i>Leading Expert: agreed</i>   |
| Char. 13        | state 3 to read “medium”   |
| Char. 16        | to be indicated as QN and state 2 to read “medium”   |
| Char. 22        | example varieties for states 3 and 7 to be reversed  |
| Chars. 26 to 36 | to delete “Ripe”   |
| Char. 33        | to read “Ripe fruit: abundance of placental tissue” and state 2 to read “moderate”   |
| Char. 36        | state 5 to read “medium”   |
| Char. 40        | to check whether fewer notes would be appropriate  |
| Char. 41        | state 3 to read “clearly towards base”   |
| 8.1 (a)         | to read “ <u>Plant and stem</u> : observations on the plant and stem should be made when the first fruit has reached harvest maturity”   |
| 8.1 (a) to (f)  | to delete “All”  |
| 8.1 (c)         | to become Ad. 11   |
| 8.1 (e)         | to read “ <u>Flower</u> : observations on the flower should be made during the first flower opening, at the start of anther dehiscence, on hermaphrodite flowers.”   |
| 8.1 (f)         | number of fruits to be reviewed  |
| Ad. 1           | to read “The color of stem should be observed when the first node is formed.”  |
| Ad. 2           | to be improved to show point of attachment   |
| Ad. 10          | to circle the types of lobe  |
| Ad. 28          | to read “The thickness of the skin is observed in transverse section.”   |
| Ad. 34          | to read “The width of the central cavity should be observed at the broadest part”  |
| Ad. 41          | heading to be corrected  |
| TQ 5.1          | to correct states according to Table of Chars.   |

|              |                    |
|--------------|--------------------|
| Pearl Millet | TG/PRL_MIL(proj.8) |
|--------------|--------------------|

Changes to document TG/PRL\_MIL(proj.7), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/PRL\_MIL(proj.8)), submitted to the TC:

|                      |   |
|----------------------|---|
| Char. 2              | to check whether possible to delete (+) and Ad. 2<br><i>Leading Expert: agreed</i>  |
| Chars. 3,4,12,13, 20 | to check whether to be indicated as VG/MS instead of MG<br><i>Leading Expert: agreed</i>  |
| Char. 7              | to check whether more example varieties can be provided<br><i>Leading Expert: no change</i>   |
| Char. 17             | to read “ <u>Only varieties with glume: one bristle: ...</u> ”  |
| Char. 18             | to read “ <u>Only varieties with glume: more than one bristle: ...</u> ”  |
| Char. 24             | to check whether possible to delete (+) and Ad. 24<br><i>Leading Expert: explanation retained</i>   |
| Char. 25             | to order 4, 1, 3, 2, 5  |
| Chars. 25, 26        | to check whether the stages DS9+ and DS9++ are quoted from the book “Pearl Millet, Seed Production & Technology” (see Chapter 8.2). If not, to delete DS9+ and add an explanation to Ad. 25, 26: “To be observed after thrashing” and to delete stages DS9+ and DS9++ from the table of growth stages in Chapter 8.2.<br><i>Leading Expert: to delete DS9+ and DS9++ and add an explanation to Ad. 25, 26: “To be observed after thrashing” and to delete stages DS9+ and DS9++ from the table of growth stages in Chapter 8.2.</i> |
| Ad. 8                | to read “The time of flowering is when 50% of plants have emitted the stigma in the main panicle.”  |
| Ad. 10               | to read “To be observed on the main culm from ground level to the tip of the main panicle.”   |
| Ad. 20 (first)       | to read “Ad. 18”  |
| 8.2                  | see comments to Chars. 25, 26   |
| TQ 4.2               | to add new scheme layout for hybrids (see TGP/7/2)  |

|  |                     |
|--|---------------------|
| Sweet Potato ( <i>Ipomoea batatas</i> (L.) Lam.) | TG/SWEETPOT(proj.6) |
|--|---------------------|

(a) Changes to document TG/SWEETPOT(proj.5), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/SWEETPOT(proj.6)), submitted to the TC:

|         |  |
|---------|--|
| 1.      | to add “.” before “However”  |
| 2.2     | to read “The material is to be supplied in the form of medium size storage roots, or in the form of cuttings.”   |
| 3.5     | to read “Unless otherwise indicated, all observations on single plants should be made on 30 plants or parts taken from each of 30 plants and any other observations made on all plants in the test.” |
| Char. 5 | to check whether to have note (b) or (c)<br><i>Leading Expert: to have note (c)</i>  |



|          |  |
|----------|--|
| Char. 6  | to add (+) and provide illustration of “tip” and to check whether to change from “Stem” to “Shoot”<br><i>Leading Expert: illustration provided; no change to the wording of the characteristic</i> |
| Char. 8  | to check whether to change from “Stem” to “Shoot”<br><i>Leading Expert: no change</i>  |
| Char. 9  | to be indicated as QN or PQ (see Ad. 11)<br><i>Leading Expert: no change (to be indicated as QL)</i>   |
| Char. 10 | to be formatted as “ <u>Only varieties with leaf blade: lobes: absent: Leaf blade: shape</u> ”   |
| Char. 11 | to be formatted as “ <u>Only varieties with leaf lobes: present: Leaf blade: depth of lobing</u> ”   |
| Char. 20 | to have the states: moderately compressed (3); medium (5); moderately elongated (7)  |
| Char. 26 | to check spelling of example variety for state 7 “Owairaka Red”<br><i>Leading Expert: “Owairaka Red”</i>   |
| 8.1 (a)  | to replace “90 days” with a description of the appropriate developmental stage<br><i>Leading Expert: no change (no growth stages in the literature)</i>  |
| 8.1 (c)  | to read: “Stem internodes and length and diameter of internode should be observed on an internode located in the middle third of the main stem.”   |
| 8.1 (e)  | delete or provide a more specific stage after harvest<br><i>Leading Expert: no change</i>  |
| Ad. 14   | to correct wording for state 3   |
| Ad. 19   | second box to be deleted   |
| TQ 4.2   | to correct indenting   |
| TQ 7.3.1 | to read “Use: ...”   |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|         |                       |
|---------|-----------------------|
| Char. 9 | to be indicated as MG |
|---------|-----------------------|

## 2. REVISIONS

|       |                 |
|-------|-----------------|
| Peach | TG/53/7(proj.1) |
|-------|-----------------|

Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines submitted to the TC:

|               |   |
|---------------|---|
| Char. 2       | note (b) to be deleted  |
| Char. 3       | example variety to be provided for state 4                              |
| Char. 6       | - to be indicated as QL<br>- to check whether to add note (d)           |
| Char. 9       | to check whether QL   |
| Char. 10      | state 2 to be checked / deleted   |
| Char. 11      | example varieties to be provided, if available                          |
| Char. 13      | state 2 to read “narrow” and example variety to be provided for state 1 |
| Char. 19      | explanation in brackets to be moved to Ad. 19                           |
| Char. 33      | state 5 to read “medium elliptic”                                       |
| Chars. 34, 35 | to add (+)  |

|                |  |
|----------------|--|
| Char. 35       | to replace “without” with “excluding”  |
| Char. 40       | state 1 to be completed in German  |
| Char. 41       | to be deleted  |
| Char. 44       | to be moved after Char. 40   |
| Char. 46       | to add “of skin”   |
| Char. 47       | to delete “very” in state 1  |
| Char. 55       | to delete “the”  |
| Char. 58       | - to add (*) (grouping characteristic)<br>- to delete “//” in states 1 and 2 example variety column<br>- explanation in brackets to be moved to 8.2  |
| Char. 64       | - to read “Stone: tendency to split”<br>- explanation in brackets to be moved to 8.2   |
| 8.1 (a)        | to be clarified  |
| 8.1 (b) to (f) | to read:<br>“(b) observations on the leaf should be made on fully developed leaves in the central third of a current season shoot.<br><br>“(c) observations on the nectaries (glands) should be made on leaves as soon as they are fully developed.<br><br>“(d) observations on the flowering shoot and the flower should be made in the central third of the shoot.<br><br>“(e) observations on the flower should be made on fully opened flowers at the beginning of anther dehiscence.<br><br>“(f) observations on the fruit should be made on fruit that are maturity for consumption (see Ad. 69).” |
| Ad. 3          | illustration for state 4 to be improved  |
| Ad. 4          | to be deleted  |
| Ad. 7          | photographs to be deleted  |
| Ad. 9          | wording to be clarified  |
| Ad. 10         | photographs to be deleted  |
| Ad. 16, 19, 29 | to check whether to specify 5 flowers per tree rather than a total of 25 flowers   |
| Ad. 17         | to be deleted  |
| Ad. 20, 25, 26 | to simplify the illustration   |
| Ad. 24         | state 3 to read “deep serrate”   |
| Ad. 28         | to be deleted  |
| Ad. 30         | text to be deleted   |
| Ad. 31         | photographs to be deleted  |
| Ad. 33         | - heading to be corrected<br>- first set of illustrations to be deleted  |
| Ad. 34, 35     | to provide separate illustrations for the two characteristics  |
| Ad. 36         | to keep only the photographs illustrating states 1 and 3 (illustration not necessary for state 2)  |
| Ad. 37, 38, 39 | to be deleted  |
| Ad. 40         | photographs to be deleted  |

|                |  |
|----------------|--|
| Ad. 41, 42, 46 | to be deleted  |
| Ad. 51         | to delete “as the ‘Durofel’” and the photograph                        |
| Ad. 52         | to be deleted  |
| Ad. 55         | to delete “very” in state 1  |
| Ad. 56         | to be deleted  |
| Ad. 57, 58     | explanations to be provided and photographs to be deleted              |
| Ad. 60         | to replace photograph for state 2 with second photograph in Ad. 63     |
| Ad. 64         | to be deleted  |
| 9.             | - to amend Blaha reference (Akademie)<br>- to complete Monet reference |
| TQ 5.3         | to correct spelling of example variety “Fantasia” (note 1)             |
| TQ 5.5         | to complete all states   |
| TQ 6           | to be provided   |

|      |                 |
|------|-----------------|
| Lily | TG/59/7(proj.6) |
|------|-----------------|

(a) Changes to document TG/59/7(proj.5), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/59/7(proj.6)), submitted to the TC:

|                  |  |
|------------------|--|
| 1.               | to delete “of the family <i>Liliaceae</i> ” (general policy to avoid reference to family that will also be proposed for document TGP/7/2)                                      |
| 2.3              | to check whether 300 seeds are too many<br><i>Leading Expert: no change</i>  |
| Char. 2          | (+) and Ad. 2 to be deleted  |
| Char. 3          | to check if indication of (a) is correct.<br><i>Leading Expert: no change</i>  |
| Char. 4          | to choose the appropriate term for state 2: “opposite” and “decussate” are not synonyms<br><i>Leading Expert: to use “decussate”</i>   |
| Chars. 7, 8      | to check whether note (a) should be added<br><i>Leading Expert: to add for Char. 7</i>   |
| Char. 12         | state 1: delete “one or” and add note “1”  |
| Char. 14         | to check whether QL<br><i>Leading Expert: to be indicated as QN</i>  |
| Char. 15         | to be indicated as QN  |
| Chars. 17 to 24  | to check whether to be indicated as “Tepal:” characteristics and characteristics reordered accordingly (see Chars. 27 etc.)<br><i>Leading Expert: agreed (Chars. 17 to 25)</i> |
| Char. 22         | to check whether to add note (c)<br><i>Leading Expert: agreed</i>  |
| Char. 26         | to add (*) (grouping & TQ characteristic)  |
| Char. 29         | to check whether to add note (d)<br><i>Leading Expert: agreed</i>  |
| Char. 30         | to add (+) and provide illustration<br><i>Leading Expert: no change</i>  |
| Chars. 31 and 32 | to check whether note (b) is correct<br><i>Leading Expert: no change</i>   |

|          |  |
|----------|--|
| Char. 32 | to reverse order of states 2 and 3   |
| Char. 33 | to check whether to replace note (c) with note (b)<br><i>Leading Expert: agreed</i>  |
| Char. 36 | - to reverse order of states 1 and 2<br>- to delete hyphen in state 6  |
| Char. 39 | to delete hyphen in state 2  |
| Char. 40 | to add (*) (grouping & TQ characteristic)  |
| Char. 40 | - more example varieties to be provided<br>- to add (+) with explanation of time of flowering<br><i>provided by Leading Expert</i> |
| 8.1 (b)  | to read “Observations should be made on outer tepals.”<br>(Shape and size do not apply to Chars. 31 and 32.)                       |
| 8.1 (c)  | to read: “Observations on color should be made on the inner side of inner tepal, excluding papillae, spots and nectar furrow.”     |
| 8.1 (d)  | to read: “Observations on papillae and/or spots and ribbing should be made on the inner side of inner tepal.”                      |
| Ad. 1    | to read “To be observed from the soil level to the top of the inflorescence.”  |
| Ad. 6    | illustration for “flat” to be made fully horizontal (as for Ad. 9)<br><i>provided by Leading Expert</i>                            |
| Ad. 15   | to check orientation lines<br><i>lines deleted</i>   |
| Ad. 36   | to renumber as Ad. 35  |
| TQ 1.    | to check whether to add line for information on species.<br><i>Leading Expert: no change</i>                                       |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|                 |                                     |
|-----------------|-------------------------------------|
| Char. 8         | to check whether to add note (a)    |
| Char. 20        | to check whether to add note (c)    |
| Char. 25        | to check whether to delete note (c) |
| Chars. 30 to 33 | to move after Char. 19              |

|  |                  |
|--|------------------|
| Black Salsify<br>( <i>Scorzonera hispanica</i> L.) | TG/116/4(proj.3) |
|--|------------------|

Changes to document TG/116/4(proj.2), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2010, which are already incorporated in the draft Test Guidelines (document TG/116/4(proj.3)), submitted to the TC:

|       |  |
|-------|--|
| 2.3   | to read “15,000”   |
| 3.5   | to read “Unless otherwise indicated, all observations on single plants should be made on 60 plants or parts taken from each of 60 plants and any other observations made on all plants in the test.”   |
| 4.2.2 | to check if sample size of 60 plants should be added (or does the sample size of 300 for uniformity apply to all characteristics).<br><i>Leading Expert: to be amended to read “The assessment of uniformity should be according to the recommendations for cross-pollinated varieties in the General Introduction. For the characteristics Root: shape (Char. 10) and</i> |

|                 |  |
|-----------------|--|
|                 | <i>Root: color (Char. 15), a population standard of 2% and an acceptance probability of at least 95% should be applied. In the case of a sample of 300 plants, 10 off-types are allowed.</i> |
| Table of Chars. | to order example varieties alphabetically  |
| Char. 13        | to check whether state 1 to read “truncate” and state 3 to read “sloping”<br><i>Leading Expert: no change</i>  |
| Char. 14        | to read “Root: shape of tip”   |
| 9.              | literature to be provided<br><i>provided by Leading Expert</i>   |
| TQ 4.2          | to add 4.2.2 “Other”   |

|                           |                  |
|---------------------------|------------------|
| Banana ( <i>Musa</i> spp) | TG/123/4(proj.8) |
|---------------------------|------------------|

Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines submitted to the TC:

|                   |   |
|-------------------|---|
| 1.                | to delete “of the family <i>Musaceae</i> ”  |
| 1.3               | to be deleted   |
| Example varieties | to be checked by TWF and to be presented in alphabetic order  |
| Char. 6           | to delete “along length”  |
| Char. 8           | to delete “intensity of”  |
| Char. 9           | to read “Pseudostem: color of inner side of basal sheath”   |
| Chars. 10, 11     | to check whether to delete note (a)   |
| Char. 12          | example varieties to be provided, if available  |
| Char. 26          | to check whether to add note (b)  |
| Char. 27          | PQ to be repositioned   |
| Char. 35          | to delete “longitudinal”  |
| Char. 49          | to move explanation in brackets to Ad. 49   |
| Char. 50          | to read “Male inflorescence: opening of bracts”, with the states: closed or slightly open (1) (Nanicão), moderately open (2) (Pacovan); very open (3)   |
| Char. 52          | to read “Bract: shape of apex”  |
| 8.1 (a)           | to be clarified   |
| 8.1 (b)           | to read: “observations on the fruit bunch should be done at fruit maturity (harvest time)”  |
| 8.1 (c)           | to read “(c) observations on inflorescence and flower should be made at the time of full flowering”   |
| 8.1 (d)           | to be clarified and header for illustration to read “Ripening stages according to fruit color”. Reference to be moved to Chapter 9.   |
| Ad. 1             | to replace with reference and add reference details to Chapter 9.   |
| Ad. 2             | existing illustration to be moved to Chapter 8.1 as general illustration and to delete terms not in English. To have same illustration for Ad. 2 without arrows, except for arrow indicating suckers. |
| Ad. 3             | to be improved to show crown of peduncle  |
| Ad. 11            | to clarify time of observation  |
| Ad. 22            | to delete illustration  |
| Ad. 26            | to read “The diameter of the bunch should be measured at the midpoint between the attachment of the first hand and the attachment of the last hand.”  |

|        |  |
|--------|--|
| Ad. 37 | to add illustration to show the line of measurement              |
| Ad. 40 | to delete “To observe from narrowest to widest.”                 |
| Ad. 45 | to add arrow indicating the floral organs                        |
| Ad. 49 | to clarify how to observe for non-persistent male inflorescences |
| Ad. 50 | to correct notes to 1, 3, 5                                      |
| TQ 4.2 | translations to be checked                                       |

|           |                  |
|-----------|------------------|
| Asparagus | TG/130/4(proj.3) |
|-----------|------------------|

(a) Changes to document TG/130/4(proj.2 rev.), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2010, which are already incorporated in the draft Test Guidelines (document TG/130/4(proj.3)), submitted to the TC:

|            |   |
|------------|---|
| 3.5        | to read “Unless otherwise indicated, all observations on single plants should be made on 30 plants or parts taken from each of 30 plants and any other observations made on all plants in the test.”  |
| 4.2.3      | to check whether to delete “male”<br><i>Leading Expert: no change (only male flowering hybrids are known)</i>   |
| Char. 3    | to check whether to read “Spear: shape of apex”<br><i>Leading Expert: agreed</i>  |
| Char. 12   | to check if note (c) is correct (see Chars. 13 and 14)<br><i>Leading Expert: to be indicated as (b)</i>   |
| 8.1 (c)    | (if (c) applies only to Char. 10), note (c) to become Ad. 10<br><i>Leading Expert: note (b) to be modified to apply to Chars. 10 to 14 and note (c) to be deleted</i>   |
| Ad. 9      | difference to Char. 5 to be clarified by improved explanation<br><i>provided by Leading Expert</i>  |
| Ad. 12, 13 | labeling of characteristics to be reversed  |
| Ad. 15     | to read: “ ...The time of flowering is when 30% of the plants have at least one flower open.”   |
| Ad. 16     | - to check whether the last line should read “Type of male flowers: the flowers always have rudimentary stigmas”<br>- to explain the difference between androhermaphrodite and the 4 <sup>th</sup> male type<br><i>revised explanation provided by Leading Expert</i> |
| TQ 4.1     | to be completed<br><i>provided by Leading Expert</i>  |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|         |   |
|---------|---|
| Char. 9 | to be completed and approved by the TWV by correspondence   |
| 8.1 (a) | to add “of spears”  |
| Ad. 16  | - to clarify the meaning of “(normal)”<br>- to check whether to delete the final sentence of the second paragraph, unless plants are self-pollinated as a part of the DUS examination |

|           |                  |
|-----------|------------------|
| Hydrangea | TG/133/4(proj.4) |
|-----------|------------------|

(a) Changes to document TG/133/4(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 7, 2010, which are already incorporated in the draft Test Guidelines (document TG/133/4(proj.4)), submitted to the TC:

|                 |  |
|-----------------|--|
| 1.              | to delete “(Saxifragaceae). They have been established mainly on the basis of varieties of <i>Hydrangea macrophylla</i> (Thunb. ex Murr.) Ser., <i>Hydrangea anomala</i> D. Don ssp. <i>petiolaris</i> (Sieb. et Zucc.) McClintock, <i>Hydrangea paniculata</i> Sieb., <i>Hydrangea quercifolia</i> Bartr. and <i>Hydrangea aspera</i> D. Don, but they may also be used for other species of <i>Hydrangea</i> L.” |
| 3.1             | to check whether to read “The minimum duration of tests should normally be a single growing cycle.”<br><i>Leading Expert: no change</i>  |
| 4.2.2           | to delete “of vegetatively propagated varieties”   |
| 5.3 (g)         | to add “with the following groups:”  |
| Char. 3         | - to check whether to add “including inflorescences”<br>- to check whether to change 8.1 (a) to become Ad. 3 and to provide improved explanation<br><i>Leading Expert: agreed</i>  |
| Char. 5         | to read “Stem: color” and to add (*) (grouping characteristic)   |
| Char. 8         | to delete “excluding petiole” (leaf blade excludes petiole)  |
| Char. 17        | - to reverse order of state 2 and 3 and add notes 1, 2, 3<br><i>Leading Expert: agreed</i><br>- to check whether “Variegata” is a variety according to UPOV definition<br><i>Leading Expert: “Variegata” is a variety</i>  |
| Char. 24        | to read: “ <u>Only varieties with inflorescence shape: flattened:</u> Inflorescence: arrangement of sterile flowers”   |
| Chars. 28 to 31 | to check whether to be changed to “Sepal” characteristic, or to add “of sepals” in all cases (plural)<br><i>Leading Expert: no change</i>  |
| Char. 29        | to be indicated as PQ  |
| Char. 30        | to add (+)   |
| Char. 31        | to replace “upper” with “distal” in state 1  |
| 8.1 (b)         | to check whether to become Ad. 29, 30<br><i>Leading Expert: agreed</i>   |
| Ad. 4           | position of arrow to be corrected  |
| Ad. 23          | to add arrow for fertile flowers in second image   |
| Ad. 31          | to delete upper row of images  |
| Ad. 33          | to clarify what is meant by “uniform” color<br><i>provided by Leading Expert</i>   |
| 9.              | Rehder, A.: to provide year of publication<br><i>provided by Leading Expert</i>  |
| TQ 1            | to add 1.1 “Genus”   |
| TQ 4.1.1        | to be replaced with standard wording   |
| TQ 5.1          | to amend note 2 to note 9  |
| TQ 5.4          | state 1 to read “inconspicuous or slightly conspicuous”  |
| TQ 5.           | to add Char. 16 (grouping characteristic)  |

(b) Changes proposed by the Enlarged Editorial Committee in March 2010, which are to be included in the Test Guidelines, submitted to the TC:

|               |  |
|---------------|--|
| Char. 16      | to check whether to delete “(excluding variegation)”   |
| Char. 18      | to check example variety for state 3   |
| Chars. 29, 31 | to add “of sepal”  |
| Ad. 29, 30    | to read “The color should be observed on plants grown in pots in a medium with pH higher than 5 and with no added aluminum or other metals that would affect the color. In other growing conditions the color could be different. The main color is the color with the largest surface area. The secondary color is the color with the second largest surface area.” |

### 3. PARTIAL REVISIONS

|      |         |
|------|---------|
| Rose | TG/11/8 |
|------|---------|

No changes proposed by the Enlarged Editorial Committee in March 2010.

|              |                |
|--------------|----------------|
| Osteospermum | TG/176/4 Corr. |
|--------------|----------------|

No changes proposed by the Enlarged Editorial Committee in March 2010.

[End of Annex II and of document]