

Technical Working Party for Ornamental Plants and Forest Trees TWO/56/9

Fifty-Sixth Session  
Virtual meeting, April 29 to May 2, 2024

Original: English  
Date: May 2, 2024

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## REPORT

*adopted by the Technical Working Party for Ornamental Plants and Forest Trees*

*Disclaimer: this document does not represent UPOV policies or guidance*

### Opening of the session

1. The Technical Working Party for Ornamental Plants and Forest Trees (TWO) held its fifty-sixth session via electronic means, from April 29 to May 2, 2024. The list of participants is provided in Annex I to this report.
2. The session was opened by Ms. Hilary Papworth (United Kingdom), Chairperson of the TWO, who welcomed the participants.
3. The TWO was welcomed by Ms. Yolanda Huerta, Vice Secretary-General of UPOV.

### Adoption of the agenda

4. The TWO adopted the agenda as provided in document TWO/56/1 Rev. 2.

### Development of guidance and information materials

5. The TWO considered documents TWP/8/1 and TWO/56/8.

(a) *Explanatory Notes*

UPOV/EXN/DEN “Explanatory Notes on Variety Denominations under the UPOV Convention” (Revision)

*New variety denomination classes for Prunus and situations when a denomination should be compared with other classes within a genus*

6. The TWO considered situations when a denomination should be compared with denominations in other classes within a genus or the entire genus, as set out in document TWP/8/1, paragraph 11.
7. The TWO agreed with the TWV that the situation described for *Prunus* would be applicable to denominations in other classes within a genus, i.e. denominations of interspecific hybrids should be different from those in the classes of all parent species; and denominations for varieties from one of the “Classes within a genus” should be different from denominations of interspecific hybrids with one parent in that class.
8. The TWO noted that applications for ornamental varieties were often filed with information on the genus only and agreed that, in such a case, the variety denominations should be different from other denominations within that genus.
9. The TWO recalled that UPOV guidance on variety denominations followed the general rule of “one genus/one class”. The TWO agreed to invite the Netherlands (Kingdom of) to inform the IUBS Commission responsible for the International Code for the Nomenclature of Cultivated Plants (ICNCP) about the exceptions introduced to the general rule for the purpose of plant variety protection.

(b) *TGP Documents*

TGP/5: Section 6 “UPOV Report on Technical Examination and UPOV Variety Description” (Revision)

*Subsection “UPOV Variety Description”, item 16 “Similar varieties and differences from these varieties”*

10. The TWO considered the additional explanations proposed for inclusion under Item 16 “Similar varieties and differences from these varieties” in the “UPOV Variety Description”, as set out in document TWP/8/1, paragraph 18.

11. The TWO agreed that item 16 in variety descriptions should not be left unanswered and agreed to propose the first bulleted point to read as follows:

- All similar/closest/~~reference~~ varieties ~~should be considered as determined by the Examiner~~. If there is no such variety(s), a sentence such as “No similar/closest variety was identified in the growing trial” should be stated.

12. The TWO recalled that the current explanation in Section 16, paragraph 2 provided as follows:

“2) The state of expression of the candidate variety and similar variety(ies) relate to the DUS examination conducted at the testing station, place and period of testing indicated in 11 [Testing facility(ies) and location(s)] and 12 [Period of testing].”

13. The TWO agreed that the following proposed explanation in the second bullet point should not be included in the guidance as it could create confusion in relation to varieties not grown in the same trial:

- “Only varieties which have been tested under the same growing conditions as the candidate variety”

14. The TWO agreed that the wording in the third bullet should be improved to explain that “information on the closest similar variety(ies) to the candidate should be provided”, instead of “varieties that express the least number of characteristic differences from the candidate variety.”

15. The TWO agreed that information provided under item 16 should list the most relevant characteristics where the candidate differed from the most similar varieties. The TWO agreed that the proposal in the last bullet point (reproduced below) should not be included in the guidance as it could lead to extensive lists with characteristics with only small differences between the candidate and most similar varieties.

- “All characteristics are treated equally, with all characteristics providing distinctness to be included for each similar variety.”

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

16. The TWO considered the additional explanations proposed for inclusion under item 17 “Additional Information” in the “UPOV Variety Description”, as set out in document TWP/8/1, paragraph 21.

17. The TWO agreed with the TWV that it would not be practical to report in a variety description all the varieties in a collection or a list of varieties tested along with a candidate variety.

18. The TWO noted that some examples provided under “(a) Additional Data” were not common to ornamental plants, such as COYU or COYD results. The TWO agreed with TWV that the elements provided under item 17 “Additional information” were examples to be considered on a case-by-case basis, as appropriate, according to crop type and variety described.

TGP/7 “Development of Test Guidelines” (Revision)

*Additional Standard Wording (ASW) 3 “Explanation of the growing cycle”*

19. The TWO agreed with the proposal to amend the standard wording of growing cycle for “fruit species with clearly defined dormant period” in document TGP/7, ASW 3(a), as set out in document TWP/8/1, paragraph 24.

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

20. The TWO considered the proposal to amend document TGP/7, ASW 7(b), on the number of parts to be examined from single plants, as set out in document TWP/8/1, paragraph 28.

21. The TWO noted that the ASW 7(b) was not often used for ornamental plants and agreed with the TWV that the number of parts to be taken from each plant was particularly relevant for assessments on small sample sizes and that more information would be required on any consequences for international harmonization of not having a precise value provided in the Test Guidelines.

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

22. The TWO considered document TWO/56/7, presented by an expert from Germany.

23. The TWO agreed with the TWV that illustrations were particularly useful when the example varieties in Test Guidelines were not available or not suitable for cultivation in certain growing conditions.

24. The TWO recalled the examples provided previously on situations when illustrations could replace example varieties, as provided in the Annex to document TWO/56/7 and agreed to invite the drafter from Germany to consider their inclusion in the next draft of the guidance.

TGP/12: Guidance on Certain Physiological Characteristics

25. The TWO considered a proposal to amend document TGP/12 "Guidance on Certain Physiological Characteristics" to include a table of equivalence of states of expression in Test Guidelines with terminology used in the vegetable seed sector, as set out in document TWP/8/1, paragraph 34.

26. The TWO noted that, in general, disease resistance characteristics were not used in ornamental plants and agreed there was not enough experience among experts in the meeting to provide a particular view on the proposal.

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

27. The TWO considered the proposed elements for inclusion in requests for the submission of plant material of candidate varieties and varieties of common knowledge for DUS examination, as set out in document TWP/8/1, paragraph 41.

28. TWO agreed that the elements provided in the document were useful examples in case of difficulty to obtain plant material for examination of ornamental plants.

29. The TWO noted the experiences reported by the European Union and Germany with requests for the submission of plant material of candidate varieties and varieties of common knowledge and agreed there was no need for further guidance to be developed on this topic.

Implementation of Purdy's notation for pedigrees in UPOV PRISMA

30. The TWO received a presentation from a representative of the International Seed Federation (ISF) on "Implementation of Purdy's notation for pedigrees in UPOV PRISMA", a copy of which is provided in document TWP/8/3.

31. The TWO noted that the pedigree information required by authorities could be provided using Purdy's notation in a reduced number of data fields to be completed in application forms. The TWO noted that the proposal included the develop a Wizard to guide users providing information through Purdy's notation and transforming data to the formats required by different authorities.

Experiences with new types and species*Geum*

32. The TWO received a presentation on “New expression of characteristics in Geum” from an expert from the United Kingdom, a copy of which is provided in document TWO/56/3.

33. The TWO noted that applications for plant variety protection had been filed in the United Kingdom and European Union for a variety with modified flower stamens (flower petaloid stamen). The TWO noted that cooperation was envisaged between the authorities.

*Heliconia*

34. The TWO received a presentation on “New Experiences on Heliconia” from an expert from Mexico, a copy of which is provided in document TWO/56/3 Add.

35. The TWO noted that Mexico had developed national test guidelines for DUS examination of *Heliconia uxpaniensis*, *H. latispatha* and hybrids between *H. uxpaniensis* and *H. latispatha*, which was available for UPOV members at the following direction:

[https://www.gob.mx/cms/uploads/attachment/file/858504/GUIA\\_HELICONIA\\_070923\\_1\\_.pdf](https://www.gob.mx/cms/uploads/attachment/file/858504/GUIA_HELICONIA_070923_1_.pdf)

36. The TWO noted that the development of the test guidelines had benefited from the cooperation among different experts in Mexico and included international cooperation with the Netherlands (Kingdom of).

Matters to be resolved concerning Test Guidelines put forward for adoption by the Technical Committee: Lavandula/Lavender

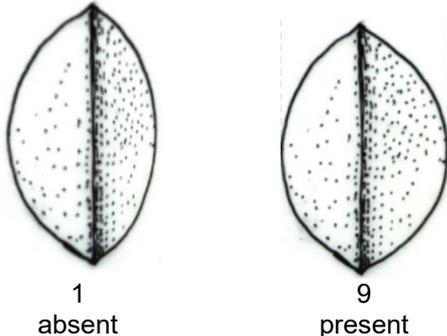
37. The subgroup discussed documents TG/194/2(proj.4) and TWO/56/6, presented by Ms. Laetitia Denecheau (European Union), and agreed the following:

Char. 12	to be indicated as PQ
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Discussion on draft Test Guidelines*Full draft Test Guidelines*Ginkgo (*Ginkgo biloba* L.)

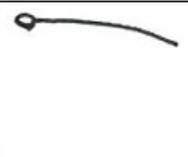
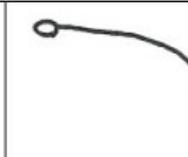
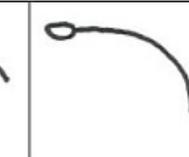
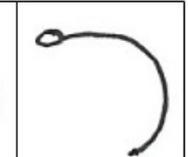
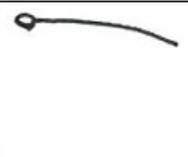
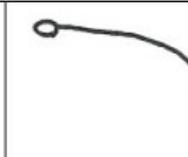
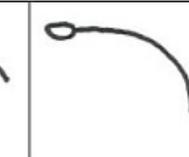
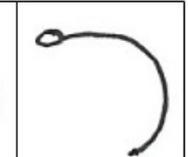
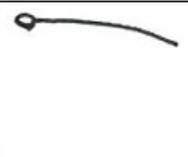
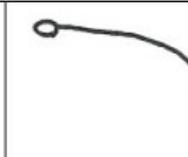
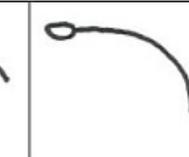
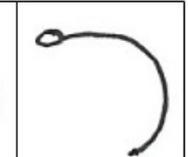
38. The subgroup discussed document TG/GINKG\_BIL(proj.2), presented by Mr. Yongqi Zheng (China), and agreed the following:

2.2	to read “...in the form of vegetatively propagated plants.”
Table of Chars.	- to check order of characteristics (either chronological or botanical order, see TGP/7, GN 26) - to check whether characteristics to be observed on mature plants should be included in the TG or be deleted
Char. 1	to check whether to keep (*) and as grouping characteristics
Char. 2	to reduce scale to 5 notes
Char. 3	to read “Plant: shape of crown”
Char. 5	to check whether example variety “Leiden” is the same as “Heksenbezem Leiden”
Char. 6	to have order of colors green, yellow green, light yellow and medium yellow
Char. 11	to use as grouping characteristic and add to chapter 5.3
Char. 13	to invert “yellow green” and “green”
Char. 17	to move after char. 18
Char. 19	- to check whether it’s size or depth of marginal serrations and whether serration is the correct term (see illustrations in Ad. 19, they look more like depth) - state 1 to read “absent or small”
Char. 20	- to read “Fruit: position” - to check whether to read “only branchlets” and “branchlets and leaves” or replace “branchlet” with “spur” or a different appropriate term

Char. 21	- to read "Fruit: color of outer surface of sarcotesta" - to move "yellow green" before "yellow"
Char. 23, 24, 25	to be indicated as MG/VG
Char. 28	to read "Nut: pitting on surface"
Char. 32	to be indicated as QN
8.1 (c)	"A" to read "Fruit" instead of "Seed"
Ad. 12	to be moved to 8.1, include tertiary color and apply to all color characteristics
Ad. 13	to be deleted and use illustrations to show color distribution
Ad. 17	- to delete sentence - to improve illustration for "very deep" (with one incision only as in the other states)
Ad. 26	- to add "Observations should be made facing the suture." - to replace current illustrations with the following ones:  <div style="text-align: center;">  <p>1 absent                      9 present</p> </div>
TQ 4.2.1	to delete (c)
TQ 5	- to check whether to add the following characteristics: Leaf: variegation Leaf: color Leaf: width Leaf: length - to check whether to delete 5.12, 5.13, 5.15, 5.16 from TQ 5. and possible other characteristics not needed in TQ 5 (not all characteristics with an (*) need to be included in the TQ)
TQ 7.3	to correct spelling of "dwarf"

\*Leucanthemum (*Leucanthemum* Mill.)

39. The subgroup discussed document TG/LEUCA(proj.2), presented by Ms. Hilary Papworth (United Kingdom), and agreed the following:

Char. 29	to delete (*)															
8.1 (b)	to read "...of disc florets should have opened."															
Ad. 1	to read "growing medium"															
Ad. 27	to replace current illustration with the one below:  <table border="1" style="width: 100%; text-align: center;"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>very weak</td> <td>weak</td> <td>medium</td> <td>strong</td> <td>very strong</td> </tr> </table>						1	2	3	4	5	very weak	weak	medium	strong	very strong
																
1	2	3	4	5												
very weak	weak	medium	strong	very strong												
TQ 1.2	to add common name "Leucanthemum"															

Lotus (*Nelumbo Adans.*)

40. The subgroup discussed document TG/NELUM(proj.2), presented Mr. Daike Tian (China), and agreed the following:

Cover page	to add French name "Lotus" and Spanish name "Loto"
2.3	the minimum quantity of plant material, to be supplied by the applicant to read "a sufficient amount of seeds or rhizome propagules to produce at least 10 plants."
3.3.4	to check whether to move this information to the table of characteristics (which chars. to be observed for which type) and/or TQ 7.
3.4.4	information on when observations should be made to be moved to chapter 8
4.1.4	to read "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 9 plants or parts taken from each of 9 plants and any other observation made on all plants in the test, disregarding any off-type plants.  In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 1."
4.2.2	to check whether to be deleted
4.2.5	to check the uniformity standard (population standard and number of off-types) and adjust chapter 4.1.4 accordingly, if applicable
5.3 (b)	to delete "Leaf: texture of blade"
5.3 (c)	to delete "Flower: position in relation to leaf"
Table of Chars.	- to remove name of species from example varieties and add abbreviation to be included in the legend (e.g. `Fen Bawang` (Nn) (for <i>Nelumbo nucifera</i> ) - to replace "emerging leaf" with "standing leaf" (throughout the TG) - to check whether to order characteristics according to growth stages
Char. 1	- to have two characteristics: "Plant: height of foliage" (use illustration without flower) "Plant: height at flowering" (to replace current Char. 20 and use current Ad. 20) - to delete "/A"
Char. 2	to combine states 2 and 3 to read "few"
Char. 4	to check whether to use as grouping characteristic
Char. 8	- to invert order of states to have states from "very smooth" to "very rough" - to check whether to add a characteristic on area of texture
Char. 20	to be deleted (see comment on char. 1)
Char. 28	- to add illustrations and check whether to present them in a grid to clearly show the differences between the states - state 3 to read "obovate-oblongate"
Char. 29	- to move example variety of state 3 to state 2 - to move example variety of state 4 to state 3 - to check whether to increase scale to 9 notes
Char. 31	- to add example varieties and/or illustrations - to check order of states (see TGP/14)
Char. 34	to correct spelling of state 3 to read "obtuse"
8.1	to add new explanation "All observations on leaves should be made on standing leaves." and that the later mentioned characteristics related to standing leaves are only associated with the varieties with standing leaf.
Ad. 2	to delete last sentence
Ad. 29	to read "...according to (length * width)/2."

\*Magnolia (*Magnolia L.*)

41. The subgroup discussed document TG/MAGNO(proj.5), presented by Ms. Yaling Wang (China), and agreed the following:

4.2.3	to be deleted
Table of Chars.	to use variety denominations of example varieties (no trademarks etc.)
Char. 2	to be indicated as PQ
Char. 4	to read "Flowering shoot: position of flower buds"

Char. 5	<ul style="list-style-type: none"> <li>- to read "Flowering shoot: number of flowers"</li> <li>- to be indicated as MG/VG</li> <li>- to have the following states and example varieties:</li> <li>few /1                      Frank's Masterpiece</li> <li>few to medium /2</li> <li>medium /3                      Fragrant Cloud</li> <li>medium to many /4</li> <li>many /5                      Yuhu</li> </ul>
Char. 6	<ul style="list-style-type: none"> <li>- to read "Fruit: number in relation to flowers"</li> <li>- to be moved before char. 54</li> <li>- to add VG</li> </ul>
Char. 9	to add example variety "Chrysanthemumiflora" for state 3
Char. 12	<ul style="list-style-type: none"> <li>- to add VG</li> <li>- to have the following states and example varieties:</li> <li>very short /1                      Tensaw</li> <li>very short to short /2</li> <li>short /3                      Mag`s Pirouette</li> <li>short to medium /4</li> <li>medium /5                      Burgundy</li> <li>medium to long /6</li> <li>long /7                      Bracken`s Brown Beauty</li> <li>long to very long /8</li> <li>very long /9                      Silver Parasol</li> </ul>
Char. 13	to add VG
Char. 20	<ul style="list-style-type: none"> <li>- to read "...Leaf blade: color before leaf fall"</li> <li>- to be moved before char. 57</li> </ul>
Char. 22	to invert example varieties for state 1 and 2
Char. 24	<ul style="list-style-type: none"> <li>- to have the following states and example varieties:</li> <li>very short /1                      Purple Queen</li> <li>short /2</li> <li>medium /3                      Bracken`s Brown Beauty</li> <li>long /4</li> <li>very long /5                      Silver Parasol</li> </ul>
Char. 27	<ul style="list-style-type: none"> <li>- to add example variety "Yellow Bird" for state 2</li> <li>- to add example variety "Diva" for state 4</li> <li>- to move example variety "Bracken`s Brown Beauty" to state 6</li> </ul>
Char. 28	<ul style="list-style-type: none"> <li>- state 4 to read "broad campanulate"</li> <li>- to add example variety "Frank's Masterpiece" for state 5</li> <li>- to improve presentation of shapes and clarify the individual shapes (to add explanation as in e.g. in TG/297/1 or choose a different approach to break down the characteristic into several ones)</li> <li>- to include all existing shapes</li> </ul>
Char. 29	<ul style="list-style-type: none"> <li>- to have the following states and example varieties:</li> <li>very few /1                      Purple Queen</li> <li>very few to few /2</li> <li>few /3                      Burgundy</li> <li>few to medium /4</li> <li>medium /5                      Diva</li> <li>medium to Many /6</li> <li>many /7                      Jade Lamp</li> <li>many to very many /8</li> <li>very many /9                      Mag`s Pirouette</li> </ul>
Char. 33	<ul style="list-style-type: none"> <li>- to add VG</li> <li>- state 3: to replace current example variety with "Mag`s Pirouette"</li> <li>- state 5: to replace current example variety with "Burgundy"</li> </ul>
Char. 34	<ul style="list-style-type: none"> <li>- to add VG</li> <li>- state 1: to replace current example variety with "Chrysanthemumiflora"</li> <li>- state 5: to delete example variety</li> </ul>

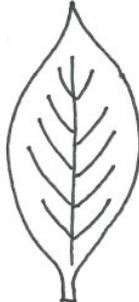
Char. 35	<p>- to make the following changes to example varieties:  state 1: add "Betty"  state 2: add "Yellow Bird"  state 4: replace current with "Silver Parasol"  state 8: replace current with "Frank's Masterpiece"  - to change the order of states as follows:  medium ovate /1  narrow ovate /2  circular /3  elliptic /4  oblong /5  linear /6  obovate /7  oblanceolate /8  spatulate /9</p>
Char. 39, 44, 50	<p>- state 5 to read "distal half"  - state 7 to read "at apex only"</p>
Char. 39	<p>to make the following changes to example varieties:  state 3: add "Yellow Bird"  state 4: replace current with "Diva"  state 7: add "Mag's Pirouette"  state 8: add "Lvxing"  state 9: add "Sun Spire"</p>
Char. 40	<p>to make the following changes to example varieties:  state 4: add "Chrysanthemumiflora"  state 5: add "Danyu"  state 6: add "Sun Spire"</p>
Char. 41	<p>to make the following changes to example varieties:  state 1: add "Betty"  state 3: delete "Sun Spire" and move to state 5</p>
Char. 45	<p>to make the following changes to example varieties:  state 1: add "Mag's Pirouette"  state 4: add "Betty"  state 5: add "Danyu"</p>
Char. 46	<p>- to read "Flower: texture of first whorl tepals"  - to be moved after char. 30</p>
Char. 50	<p>to make the following changes to example varieties:  state 1: add "Silver Parasol"  state 2: add "Jade Lamp"  state 3: add "Diva"  state 4: add "Yellow Bird"  state 7: add "Mag's Pirouette"</p>
Char. 51	<p>to make the following changes to example varieties:  state 1: add "Silver Parasol"  state 2: add "Yellow Bird"  state 3: add "Lvxing"  state 4: add "Chrysanthemumiflora"  state 5: add "Danyu"  state 6: add "Sun Spire"</p>
Char. 52	<p>to make the following changes to example varieties:  state 3: add "Mag's Pirouette"</p>
Char. 53	<p>to make the following changes to example varieties:  state 1: add "Jade Lamp"  state 3: add "Yellow Bird"</p>

Char. 54	to have the following states and example varieties: very early /1 very early to early /2 early /3 Diva early to medium /4 medium /5 Burgundy medium to late /6 late /7 Yellow Bird late to very late /8 very late /9 Bracken`s Brown Beauty
Char. 55	to make the following changes to example varieties: state 2: replace current with "Jade Lamp" state 4: replace current with "Yellow Bird"
8.2	to adjust explanations according to changes to characteristics
Ad. 9	to be deleted
Ad. 14	- to check whether still accurate after changing char. 12 to have 9 states - to keep only two illustrations, 1 for low and 1 for high ratio
Ad. 20	to be deleted
Ad. 21	to delete reference to species from leathery and papery leaves
Ad. 29	to be deleted

\*Poinsettia (*Euphorbia pulcherrima* Willd. ex Klotzsch; *Euphorbia pulcherrima* Willd. ex Klotzsch × *Euphorbia coranstra* (Dressler) Radcl.-Sm.) (Revision)

42. The subgroup discussed document TG/24/7(proj.3), presented by Ms. Laetitia Denecheau (European Union), and agreed the following:

Table of Chars.	- "Princettia Indian Red", "Christmas Sensation", "Christmas Angel", "Jubilee White" are trade names, to be replaced with denominations "BONPRI 9172", "NPCW18087", "NPCW06115", "PER2711" - to replace "Red Fox" with "Red Fox Premiummarble" - to replace "Roccostar" with "Roccostar Bright Red" - to check alphabetical order of explanations (a) to (d)
Char. 1	to delete (c)
Char. 6	state 1 to read "absent or weak"
Char. 8	to replace "LAZZPO1531" with "LAZZPO1078"
Char. 10	state 1 to read "deltate"
Char. 14, 15, 16	to replace (d) with (c)
Char. 27	to delete (*)
Char. 35, 39, 43, 46	to add drawings



1-at center

2-at veins

3-at margin

4-throughout

Char. 36, 40, 44, 47	- state 3 to read "small blotches" - state 4 to read "large speckles"
Char. 41 to 46	to delete (*)
Char. 53	to add (c)

8.1	to add explanation covering all characteristics to read “to add “Unless otherwise indicated, all observations should be made when the plants have three cyathia open.”
8.1 (c)	to read “The main color is the color with the largest surface area, the secondary color is the color with the second largest surface area, and the tertiary color is the color with the third largest surface area. In cases where the areas of the main and secondary are too similar to reliably decide which color has the largest area, the darker color is considered to be the main color. In cases where the area of the secondary and tertiary color are too similar to reliably decide which color has the second largest area, the darker color is considered to be the secondary color.”
Ad. 10, 27, 36	to correct states to read as in the table of characteristics
Ad. 30	to read “... including the petioles.”
Ad. 48	to delete illustrations for states 2, 3 and 5
Ad. 55, 56	to be deleted
TQ 1.2.2	to add common name “Poinsettia”
TQ 6.	to be updated according to char. 10

Zantedeschia (Zantedeschia Spreng.) (Revision)

43. The subgroup discussed document TG/177/4(proj.1), presented by Ms. Jolanda van Schie (Netherlands (Kingdom of the)), and agreed the following:

Cover page	- to add English common name “Calla Lily” - to add French common name “Arum” - to delete “Zantedeschia” and replace with “Calla, Kalla”
2.2, 2.3	to check whether to delete tubers
4.1.1	number of plants or parts of plants to be indicated as 19
5.3 (d)	to add color groups
Table of Chars.	to add example varieties
Char. 2	to check whether to reduce scale to 5 notes
Char. 3	to check order of colors (TGP/14)
Char. 9	- to check whether “obtuse” is the correct wording for state 3 - to check whether to be indicated as QN
Char. 10, 11	- to delete MS (to also check MS for all characteristics) - to check whether spot or blotch
Char. 11	- to delete MS - state 1 to read “very small”
Char. 12	to replace “variegation” with “secondary color” (also in subsequent characteristics 13 and 14)
Char. 13	- to add new state 1 “none” - to check whether “throughout” should read “on veins”
Char. 15	to read “Leaf blade: intensity of main color” and check whether to move from “upper side” to explanation
Char. 17	to reduce scale to 5 notes
Char. 18	to check order of color (TGP/14)
Char. 22	to add illustration
Char. 23	to check whether “inflorescence” is the correct term
Char. 25	to check whether it is actual length or relative length and update accordingly
Char. 26, 27	to move wording in brackets to explanation (“Observations should be made from above.”)
Char. 29	to move wording in brackets to explanation (“Observations should be made excluding the caudate tip.”)
Char. 32, 33, 34	to add explanation that the throat spot is excluded from the observation
Char. 33, 34	to add illustrations
Char. 38	- to move “at middle of male part” to an explanation (current Ad. 39) - to reduce scale to 5 notes
Char. 39	to check whether to add illustration

Char. 41	to read "... on aging"
8.1	to check whether to add explanation(s) on time(s) of observation
8.1 (a)	to add explanation which leaf to be observed
8.1 (d)	- to check whether to read "Observations should be made three to four weeks after the pollen has become loose." - to be moved to 8.2 (only used for char. 41)
8.2	to move all illustrations of leaves in the same direction and crop to remove the scale
Ad. 11	to check whether to improve illustrations to better show the difference between states
Ad. 13	to check frame of picture for note 3
Ad. 17	to improve picture to indicate how to measure the length (straight along the petiole)
Ad. 39	to become Ad. 38
9.	to check whether to be completed or add "No specific literature"
TQ 1.	to add 1.3 for indication of species
TQ 4.2.1	to check whether to delete (a) Tuber
TQ 5.	to add color groups for RHS Colour Chart characteristics

### Partial revisions

#### Aloe (Aloe L.)

44. The subgroup discussed document TWO/56/4, presented by Mr. Marco Hoffman (Netherlands (Kingdom of the)), and agreed the following:

General	to check whether to keep (*) for flowering characteristics and find a different solution for addressing different flowering times
5.3	to delete proposed remark

#### Carnation (Dianthus L.)

45. The subgroup discussed document TWO/56/5, presented by Ms. Katie Berbee (Netherlands (Kingdom of the)), and agreed the following:

General	to check whether to create a separate TG for <i>C. barbatus</i>
New char. 1 after 21	to check whether to be indicated as QN and have more than 2 states (e.g. "Number of flowers" with states "absent or few", "medium", "many") and update subsequent characteristics and chapters of the TG accordingly
New char. 2 after 21	to delete "distribution of"

### Recommendations on draft Test Guidelines

(a) *Test Guidelines to be put forward for adoption by the Technical Committee*

46. The TWO agreed that the following draft Test Guidelines should be submitted to the TC for adoption at its sixtieth session, to be held in Geneva on October 21 and 22, 2024, on the basis of the following documents and the comments in this report:

#### Full draft Test Guidelines

<u>Subject</u>	<u>Basic document(s) (2024)</u>
*Lavender ( <i>Lavandula</i> L.) (Revision)	TG/194/2(PROJ.4), TWO/56/6
*Leucanthemum ( <i>Leucanthemum</i> Mill.)	TG/LEUCA(proj.2)
*Poinsettia ( <i>Euphorbia pulcherrima</i> Willd. ex Klotzsch; <i>Euphorbia pulcherrima</i> Willd. ex Klotzsch × <i>Euphorbia cornastra</i> (Dressler) Radcl.-Sm.) (Revision)	TG/24/7(proj.3)

(b) *Test Guidelines to be discussed at the fifty-seventh session*

47. The TWO agreed to discuss the following draft Test Guidelines at its fifty-seventh session:

Full draft Test Guidelines

<u>Subject</u>	<u>Basic document(s) (2024)</u>
*Ginkgo ( <i>Ginkgo biloba</i> L.)	TG/GINKG_BIL(proj.2)
Helleborus ( <i>Helleborus</i> L.)	New
Lotus ( <i>Nelumbo</i> Adans.)	TG/NELUM(proj.2)
*Magnolia ( <i>Magnolia</i> L.)	TG/MAGNO(proj.5)
Pot Azalea ( <i>Rhododendron simsii</i> Planch.) and Rhododendron ( <i>Rhododendron</i> L.) (Revision to combine TGs)	TG/42/6 and TG/140/4 Corr.
*Zantedeschia ( <i>Zantedeschia</i> Spreng.) (Revision)	TG/177/4(proj.1)

Partial revisions

<u>Subject</u>	<u>Basic document(s) (2024)</u>
Aloe ( <i>Aloe</i> L.) - addressing different flowering times in flowering characteristics	TG/310/1, TWO/56/4
Carnation ( <i>Dianthus</i> L.) - addition of new characteristics for description of <i>Dianthus barbatus</i> types	TG/25/9, TWO/56/5

48. The leading experts, interested experts and timetables for the development of the Test Guidelines are set out in Annex II to this report.

(c) *Possible Test Guidelines to be discussed in 2026*

49. The TWO considered the Test Guidelines for discussion at its fifty-seventh session and agreed to invite presentations on national test guidelines for possible future revision or development of Test Guidelines for the following crops:

- Maple (*Acer* L.) New, including definition of scope (CN)
- Ornamental Apple (*Malus* Mill.) (Revision) TG/192/1 (CN)
- Torenia (*Torenia* L.) (Revision) TG/272/1 (JP)
- Tulip (*Tulipa* L.) (Revision) TG/115/4 (NL)

50. The TWO agreed that it should consider the development of Test Guidelines for the following at a future session:

<u>Subject</u>	<u>Basic document(s) (2025)</u>
Eucalyptus ( <i>Eucalyptus</i> L'Hér.) (Partial revision)	TG/296/1
Maple ( <i>Acer</i> L.)	New
Ornamental Apple ( <i>Malus</i> Mill.) (Revision)	TG/192/1
Tulip ( <i>Tulipa</i> L.) (Revision)	TG/115/4
Torenia ( <i>Torenia</i> L.) (Revision)	TG/272/1
Tuberous Begonia Hybrids ( <i>Begonia ×tuberhybrida</i> Voss) (Revision)	TG/107/3

(d) *Participation in discussions of Test Guidelines from other TWPs*

51. The TWO agreed to propose that the following experts be added as interested experts to the following draft Test Guidelines being discussed by the Technical Working Party for Fruit Crops (TWF), subject to the deadlines agreed in the report of the fifty-fifth session of the TWF:

<u>Subject</u>	Interested experts (countries/organizations) <sup>1</sup>
Hazelnut ( <i>Corylus avellana</i> L.; <i>Corylus colurna</i> L.) (Revision)	CA, HU
*Granadilla, Passion fruit ( <i>Passiflora edulis</i> Sims) (Revision)	NL, CIOFORA

Matters for information

*Reports on developments in plant variety protection from members and observers*

52. The TWO noted the information on developments in plant variety protection from members and observers provided in document TWO/56/2 Prov. The TWO noted that reports submitted to the Office of the Union after April 22, 2024, and until May 2, 2024, would be included in the final version of document TWO/56/2.

*Reports on developments in UPOV*

53. The TWO received a presentation from the Office of the Union on developments in UPOV, a copy of which is provided in document TWP/8/2.

54. The TWO noted the information provided in document TWP/8/2 that no additional characteristics or states of expression had been notified to the Office of the Union since the last session of the Technical Committee. The TWO agreed to propose that the form for the notification of additional characteristics and states of expression in document TGP/5, Section 10 was made available in other areas of the UPOV website to facilitate providing information (available at: [https://www.upov.int/edocs/tgpdocs/en/tgp\\_5\\_section\\_10.pdf](https://www.upov.int/edocs/tgpdocs/en/tgp_5_section_10.pdf)).

Technical Committee subgroup on Test Guidelines

55. The TWO received an oral report from the leading expert of the subgroup, Ms. Margaret Wallace (United Kingdom). The following summary was provided by Ms. Wallace:

“Summary of outcomes so far:

- “Test Guidelines are essential for international harmonization of DUS testing.
- “Some participants wanted to develop an electronic version of the TG while others wanted to retain the printable function. Many of the users who print a copy for use in the field, often restrict this to the table of characteristics and accompanying explanation notes.
- “The majority of testing authorities adopt a national test protocol from the UPOV TG, rather than use the UPOV TG during the test.
- “The use of example varieties and usefulness of diagrams and photographs was discussed. This may be addressed by the revision of GN28 being considered by the TWPs.
- “The development of national test guidelines based on the TG-template was generally supported but concerns about whether this was the most effective use of funds were raised.

“TWO participants are invited to contact Margaret Wallace to contribute to the work of the subgroup, in particular to reflect on the incorporation of additional characteristics and how best to accommodate changes in taxonomy between revisions. The work of the sub-group will be presented to each of the TWPs in their 2024 sessions. A document will be produced by the sub-group for consideration at the sixtieth session of the Technical Committee.”

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<sup>1</sup> for name of experts, see list of participants

Date and place of the next session

56. At the invitation of the Netherlands (Kingdom of), the TWO agreed to hold its fifty-seventh session at Roelofarendsveen, from March 31 to April 3, 2025.

Future program

57. The TWO agreed that documents for its fifty-seventh session should be submitted to the Office of the Union by February 14, 2025. The TWO noted that items would be deleted from the agenda if the planned documents did not reach the Office of the Union by the agreed deadline.

58. The TWO agreed to discuss the following items at its next session:

1. Opening of the session
2. Adoption of the agenda

Matters for discussion

3. Procedures for DUS examination (presentations invited)
4. Situations where illustrations could complement or replace example varieties (document to be prepared by Germany in collaboration with Canada, Netherlands (Kingdom of the) and United Kingdom)
5. Information required to enhance the use of existing DUS test reports (presentations invited)
  - (a) Exchange of DUS reports when asterisked characteristics cannot be observed (presentations invited)
6. Report on court cases dealing with technical matters (presentation from the European Union and presentations invited)
7. Molecular techniques in DUS examination (presentations invited)
  - (a) Harnessing molecular data to support DUS testing in ornamentals: a case-study on *Hydrangea* (Presentation from France)
8. Information databases (presentations invited)
9. Experiences with new types and species (oral reports invited)
10. Discussion on draft Test Guidelines (Subgroups)
11. Recommendations on draft Test Guidelines
12. Date and place of the next session
13. Future program
14. Adoption of the report of the session (if time permits)

Matters for information

15. Reports from members and observers (written reports to be prepared by members and observers)
16. Report on developments within UPOV (general developments, including variety denominations, information databases, exchange and use of software and equipment)
17. Closing of the session

59. *The TWO adopted this report at the close of its session.*

[Annex I follows]

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### SURINAME

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Pornpimol SUGANDHAVANIJA (Ms.), Deputy Permanent Representative, Permanent Mission of Thailand to the WTO, Genève (e-mail: pornpimol@thaiwto.com)

## III. ORGANIZATIONS

### INTERNATIONAL COMMUNITY OF BREEDERS OF ASEXUALLY REPRODUCED ORNAMENTAL AND FRUIT PLANTS (CIOPORA)

Paulo PERALTA (Mr.), Technical Expert, International Community of Breeders of Asexually Reproduced Horticultural Plants (CIOPORA), Hamburg, Germany (e-mail: paulo.peralta@ciopora.org)

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Ingrid SLANGEN (Ms.), Director of IP and Legal Affairs, Selecta Klemm GmbH & Co. KG, Stuttgart, Germany (e-mail: i.slangen@selecta-one.com)

### INTERNATIONAL SEED FEDERATION (ISF)

Emerson LIMBERGER (Mr.), Technical Manager (Corteva Agriscience), Corteva Agriscience, Aussonne, France (e-mail: emerson.limberger@corteva.com)

## IV. OFFICERS

Hilary PAPWORTH (Ms.), Chair

## V. OFFICE OF UPOV

Yolanda HUERTA (Ms.), Vice Secretary-General

Leontino TAVEIRA (Mr.), Director of Global Development and Technical Affairs

Manabu SUZUKI (Mr.), Technical/Regional Officer (Asia)

Kees VAN ETTEKOVEN (Mr.), Technical Expert

Romy OERTEL (Ms.), Secretary II

Jessica MAY (Ms.), Secretary I

TWO/56/9

ANNEX II

LIST OF LEADING EXPERTS

**DRAFT TEST GUIDELINES TO BE SUBMITTED  
TO THE TECHNICAL COMMITTEE IN 2024**

All requested information to be submitted to the Office of the Union

**by July 14, 2024**

Full draft Test Guidelines

Species	Basic Document(s)	Leading expert(s)
*Lavender ( <i>Lavandula</i> L.) (Revision)	TG/194/2(PROJ.4), TWO/56/6	Ms. Laetitia Denecheau (QZ)
*Leucanthemum ( <i>Leucanthemum</i> Mill.)	TG/LEUCA(proj.2)	Ms. Hilary Papworth (GB)
*Poinsettia ( <i>Euphorbia pulcherrima</i> Willd. ex Klotzsch; <i>Euphorbia pulcherrima</i> Willd. ex Klotzsch × <i>Euphorbia cornastra</i> (Dressler) Radcl.-Sm.) (Revision)	TG/24/7(proj.3)	Ms. Laetitia Denecheau (QZ)

**DRAFT TEST GUIDELINES TO BE DISCUSSED AT TWO/57**

(\* indicates possible final draft Test Guidelines)

**(Guideline date for Subgroup draft to be submitted by Leading Expert: December 20, 2024**

**Guideline date for comments to Leading Expert by Subgroup: January 17, 2025)**

New draft to be submitted to the Office of the Union

**before February 15, 2025**

Full draft Test Guidelines

Species	Basic Document(s)	Leading expert(s)	Interested experts (States/Organizations) <sup>2</sup>
*Ginkgo ( <i>Ginkgo biloba</i> L.)	TG/GINKG_BIL (proj.2)	Mr. Yongqi Zheng (CN)	HU, KR, QZ, NZ, CIOPORA, Office
Helleborus ( <i>Helleborus</i> L.)	New	Ms. Katie Berbee (NL)	DE, GB, JP, MX, QZ, CIOPORA, Office
Lotus ( <i>Nelumbo</i> Adans.)	TG/NELUM(proj.2)	Mr. Daike Tian (CN)	CA, JP, CIOPORA, Office
*Magnolia ( <i>Magnolia</i> L.)	TG/MAGNO(proj.5)	Ms. Yaling Wang (CN)	AU, CA, FR, GB, JP, KR, NZ, QZ, CIOPORA, Office
Pot Azalea ( <i>Rhododendron simsii</i> Planch.) and Rhododendron ( <i>Rhododendron</i> L.) (Revision to combine TGs)	TG/42/6 and TG/140/4 Corr.	Ms. Daniela Christ (DE)	CA, CN, GB, JP, MX, QZ, ZA, CIOPORA, Office (first subgroup meeting to be held in November 2024)
*Zantedeschia ( <i>Zantedeschia Spreng.</i> ) (Revision)	TG/177/4(proj.1)	Ms. Katie Berbee (NL)	CN, JP, MX, QZ, ZA, CIOPORA, Office

Partial revisions

Species	Basic Document(s)	Leading expert(s)	Interested experts (States/Organizations) <sup>2</sup>
Aloe ( <i>Aloe</i> L.) - addressing different flowering times in flowering characteristics	TG/310/1, TWO/56/4	Mr. Marco Hoffman (NL)	QZ, ZA, CIOPORA, Office
Carnation ( <i>Dianthus</i> L.) - addition of new characteristics for description of <i>Dianthus barbatus</i> types	TG/25/9, TWO/56/5	Ms. Katie Berbee (NL)	CA, GB, JP, KE, MX, QZ, ZA, CIOPORA, Office

<sup>2</sup> for name of experts, see List of Participants.

Draft Test Guidelines to possibly be discussed in 2026

Species	Basic Document(s)	Leading expert(s)	Interested experts (States/Organizations) <sup>3</sup>
Eucalyptus ( <i>Eucalyptus</i> L'Hér.) (Partial revision)	TG/296/1	(QZ)	
Maple ( <i>Acer</i> L.)	New	Mr. Li Lin (CN)	CA, DE, FR, HU, JP, NL, QZ, CIOFORA, Office
Ornamental Apple ( <i>Malus</i> Mill.) (Revision)	TG/192/1	Ms. Ling Guo (CN)	CA, DE, FR, GB, QZ, CIOFORA, Office
Tulip ( <i>Tulipa</i> L.) (Revision)	TG/115/4	(NL)	
Torenia ( <i>Torenia</i> L.) (Revision)	TG/272/1	Mr. Naoki Eguchi (JP)	CA, MX, QZ, CIOFORA, Office
Tuberous Begonia Hybrids ( <i>Begonia</i> × <i>tuberhybrida</i> Voss) (Revision)	TG/107/3		

[End of Annex II and of document]

<sup>3</sup> for name of experts, see List of Participants.