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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Working Party for Ornamental Plants and Forest Trees  Fifty-Seventh Session Roelofarendsveen, Kingdom of the Netherlands,  March 31 to April 3, 2025 | TWO/57/10  Original: English  Date: April 3, 2025 |

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

The Technical Working Party for Ornamental Plants and Forest Trees (TWO) held its fifty-seventh session in Roelofarendsveen, Netherlands (Kingdom of), from March 31 to April 3, 2025.  The list of participants is provided in Annex I to this report.

The session was opened by Ms. Hilary Papworth (United Kingdom), Chairperson of the TWO, who welcomed the participants.

The TWO was welcomed by Mr. Marien Valstar, Senior Policy Officer, Seeds and Plant Propagation Material, DG Agro, Ministry of Agriculture, Nature and Food Quality, Netherlands (Kingdom of).

The TWO received a presentation on Naktuinbouw activities from Mr. Raoul Haegens, Domain Head of the Identity and Variety Testing Department, Naktuinbouw. A copy of the presentation is provided in Annex II to this report.

# Adoption of the agenda

The TWO adopted the agenda as provided in document TWO/57/1 Rev.

# Procedures for DUS examination

The TWO considered document TWP/9/1.

## Guidance and information materials

### TGP Documents

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

The TWO agreed with the revision of document TGP/5 “Experience and Cooperation in DUS Testing”, Section 6 “UPOV Report on Technical Examination and UPOV Variety Description”, on the basis of [document TGP/5, Section 6 (draft 1)](https://www.upov.int/meetings/en/doc_details.jsp?meeting_id=85858&doc_id=642196).

The TWO considered how to provide information in the “UPOV Report on Technical Examination” regarding the “Reporting Authority” and agreed that it should normally be the authority that had conducted the technical examination.

The TWO agreed to invite the European Union to consider whether to develop proposals to address situations when further information should be provided in the “UPOV Report on Technical Examination”, such as to indicate when the authority providing the report on technical examination was different than the authority that conducted the examination.

The TWO considered how to provide information on differences between the candidate and similar varieties when the difference was based on a characteristic that was only available in the “Reporting Authority’s test guidelines” and not in the UPOV Test Guidelines. The TWO recalled the requirements for characteristics to be used in DUS examination, set out in document TG/1 “General Introduction to DUS”, and agreed that it should be indicated when the characteristic in which the candidate differed from the similar variety was only included in the Reporting Authority’s test guidelines.

#### Document TGP/7: Development of Test Guidelines (Revision): Guidance Note (GN) 28 “Example Varieties” – Example varieties for asterisked quantitative characteristics when illustrations are provided

The TWO agreed with the proposal to amend document TGP/7, Guidance Note (GN) 28 “Example Varieties”, as provided in document TWP/9/5 and presented by an expert from Germany.

The TWO noted that example varieties would not be needed to clarify the states of expression when these were self-explanatory or could be effectively demonstrated by a diagram or illustration.

The TWO thanked the expert from Germany for having developed the proposal to amend document TGP/7, GN 28, in collaboration with TWO experts.

# New proposal: revision of documents TGP/9 “Assessing Distinctness” and TGP/10 “Assessing Uniformity”: Uniformity assessment of characteristics not listed in test guidelines

The TWO considered document TWO/57/7 and agreed that it would not be necessary to amend guidance in documents TGP/9 and TGP/10 to clarify the possibility to use additional characteristics for DUS examination in addition to those in the UPOV Test Guidelines. The TWO recalled guidance in document TG/1/3 “General Introduction to DUS Examination”, paragraph 4.2.3, that states:

“[…] The characteristics included in the individual Test Guidelines are not necessarily exhaustive and may be expanded with additional characteristics if that proves to be useful and the characteristics meet the conditions set out above.” [basic requirements that a characteristic should fulfill before it is used for DUS testing]

The TWO considered the assessment of additional characteristics not included in the UPOV Test Guidelines, as set out in document TWO/57/7, and whether appropriate for such characteristics to be assessed for uniformity only and not for distinctness. The TWO recalled that the UPOV Convention requires that a variety be examined for compliance with the conditions of distinctness, uniformity and stability and agreed that any additional characteristic would be subject to the same legal basis.

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# Report on court cases dealing with technical matters

The TWO received a presentation on “Court Case of General Interest: *Allium cepa* L. ‘SK20’” from an expert from the European Union. The presentation is provided in document TWO/57/4.

The TWO considered the proposal in document TWO/57/4 for variety descriptions to reduce the information provided on characteristics in which the candidate was distinct from the similar variety and agreed that information on the most relevant characteristics should be provided in the report on technical examination.

# Molecular techniques in DUS examination

## Harnessing molecular data to support DUS testing in ornamentals: a case-study on Hydrangea

The TWO considered document TWO/57/5 and received a presentation from an expert from France on “Harnessing GbS to support DUS testing in ornamentals - A case study on Hydrangea”. The presentation is provided in document TWO/57/5 Add.

The TWO noted that a set of 20 SNP markers had been selected to confirm species of *Hydrangea* varieties and another set of 40 SNP had been selected to identify varieties of *H. macrophylla*.

The TWO noted the progress reported in identifying markers with high correlation to morphological characteristics, such as flower color and agreed on their usefulness for the reduction of size of trials.

The TWO noted the establishment of provisional thresholds for genetic distances to be used in combination with morphological distances for managing variety collections, with potential to reduce by 33% the size of trials.

## Guidelines for the validation of characteristic-specific molecular marker protocol

The TWO considered [document TWP/9/4](https://www.upov.int/meetings/en/doc_details.jsp?meeting_id=85858&doc_id=642193) and the proposed guidelines for validating assessment methods of characteristic-specific molecular markers for DUS examination, as presented by an expert from the Netherlands (Kingdom of). The TWO noted that the proposed guidelines would be applied to validate molecular markers proposed as alternative methods for the assessment of individual characteristics in Test Guidelines.

The TWO discussed, in the context of the development of UPOV Test Guidelines, matters to be considered on the use of molecular markers that might be trade secret (see document TWP/9/4, paragraph 31). The TWO noted that in such cases, the marker would not be described in the UPOV Test Guidelines, and permission would be required from the owner of the marker to be used by UPOV members. The TWO noted that molecular markers were most frequently provided by the breeders and was of the view that access for UPOV members to the markers which might be trade secret would be important for international cooperation and exchange of DUS test reports.

## Reports on existing policies on confidentiality of molecular information

The TWO noted that UPOV members and observers were invited to report examples of policies on confidentiality and access to molecular data at the TWP sessions in 2025.

The TWO received a presentation on “Confidentiality of Molecular Information” from an expert from CropLife International, on behalf of the African Seed Trade Association (AFSTA), Asia and Pacific Seed Association (APSA), International Community of Breeders of Asexually Reproduced Horticultural Plants (CIOPORA), CropLife International, Euroseeds, International Seed Federation (ISF) and Seed Association of the Americas (SAA). The presentation is provided in document TWP/9/6.

The TWO agreed on the importance of utilizing DNA-based information for international cooperation in variety testing. The TWO considered how could DNA-based information be shared among UPOV members and noted the offer from breeders’ organizations for the joint development of molecular markers that would not reveal the breeding strategies of individual breeders.

The TWO noted existing guidance on confidentiality of molecular information in UPOV documents UPOV/INF/15 “Guidance for members of UPOV” and TGP/5, Section 1 “Model administrative agreement for international cooperation in the testing of varieties”. The TWO noted the proposal from the breeders’ organizations for considering the confidentiality agreement developed by the European Union as example for the future development of a common model.

# Information databases

## Information on cooperation agreements for DUS examination

The TWO considered document TWP/9/2 and agreed with the proposal to discontinue the section on “Cooperation in DUS Examination” in the GENIE database, as set out in document TWP/9/2, paragraphs 7 to 26.

The TWO noted that information on “Practical experience in DUS examination” would continue to be collected and provided in the GENIE database and as a printable document prepared annually to the Technical Committee.

## The value and reliability of botanical names in ornamentals

The TWO received a presentation on “The value and reliability of botanical names in ornamentals” from an expert from the Netherlands (Kingdom of). The presentation is provided in document TWO/57/8.

The TWO noted the report in document TWO/57/8 that unprecise taxonomical information provided by applicants could have administrative consequences for international cooperation and granting breeders rights.

The TWO agreed that breeders could have difficulty providing precise taxonomical information for certain ornamental plants, in particular those with complex taxonomy. The TWO agreed that, in such cases, the selection of similar varieties should consider the entire genus to avoid missing varieties for comparison in the growing trial.

The TWO considered the proposal in document TWO/57/8 for using group classification in case of ornamental plants with complex taxonomy and agreed that the approach should be considered on a case-by-case basis.

# Experiences with new types and species

## Ornamental Apple (*Malus* Mill.)

The TWO received a presentation on “Revision of TG/192” from an expert from China, as provided in document TWO/57/6, Annex I.

## Maple (*Acer* L.)

The TWO received a presentation on “Proposals for new Test guidelines: *Acer* L.” from an expert from China, as provided in document TWO/57/6, Annex II.

# Test Guidelines

## Measures to improve support for drafters of Test Guidelines

The TWO considered document TWP/9/3.

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

The TWO considered the proposals for discussion on options for improving the Test Guidelines structure, the tool for drafting Test Guidelines and the creation of national test guidelines, as set out in document TWP/9/3, Annex II.

The summary report of discussion at the fifty-seventh session of the TWO provided by the leading expert of the TC Sub-group on Test Guidelines, Ms. Margaret Wallace (United Kingdom) is provided in Annex III to this document.

## Notification of Additional Characteristics and States of Expression

The TWO considered document TWP/9/3 and noted the invitation for UPOV members to notify to the Office of the Union the additional characteristics or states of expression used in individual authorities’ test guidelines to retain internationally harmonized variety descriptions, as provided in document TGP/5, Section 10 “Notification of Additional Characteristics”.

## Technical Questionnaire, section 4.2: “Method of propagating the variety”

The TWO considered document TWP/9/3 and the lists with options for information on method of propagating the variety (Annex IV) that would be made available in UPOV PRISMA for the Technical Questionnaires of certain Test Guidelines adopted before document TGP/7 “Development of Test Guidelines” in 2007.

The TWO considered the Test Guidelines for ornamental plants and forest trees in document TWP/9/3, Annex IV and agreed the following procedure:

* The TWO experts are invited to provide comments on the information on method of propagating the variety for inclusion in the Technical Questionnaires of the Test Guidelines of ornamental plants and forest trees presented in Annex IV to this report.
* The comments should be submitted to the Office of the Union by May 2, 2025 (email to: [upov.mail@upov.int](mailto:upov.mail@upov.int))
* In case comments are received, the lists of options for information on method of propagating the variety would be considered by the TWO, at its fifty-eighth session, to be held in 2026.
* The lists of options for information on method of propagating the variety receiving no comments would be considered as agreed by the TWO and proposed to the Technical Committee for inclusion in the Technical Questionnaires of the respective Test Guidelines.

## Matters to be resolved concerning Test Guidelines put forward for adoption by the Technical Committee: Poinsettia

The subgroup discussed documents TG/24/7(proj.4) and TWO/57/9, presented by Ms. Laetitia Denecheau (European Union), and agreed the following:

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| Char., Ad. 27 | to have states (1) none or one, (2) two, (3) more than two and to keep current illustrations |
| Char. 35, 39 | to add example varieties already used in the draft to these characteristics  *Leading Expert: to add the following example varieties:*  *- Characteristic 35 “Bract: distribution of secondary color of upper side”*  *state 1 “at center”: NPCW18289*  *state 3 “at margin”: Allegra Marble Improved*  *state 4 “throughout”: WEL20390*  *- Characteristic 39 “Bract: distribution of tertiary color of upper side”*  *to delete (\*)*  *state 1 “at center”: FREEDOM MARBLE*  *state 3 “at margin”: MARBLE PETERSTAR*  *state 4 “throughout”: LAZZPOSUGI* |

## Discussion on draft Test Guidelines

### Full draft Test Guidelines

#### \*Ginkgo (*Ginkgo biloba* L.)

The subgroup discussed document TG/GINKG\_BIL(proj.3), presented by Mr. Yongqi Zheng (China), and agreed the following:

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| 3.1 | to add ASW 3 (a) “The growing cycle is considered to be the duration of a single growing season, beginning with the dormancy period, followed by bud burst (flowering and/or vegetative), flowering and fruit harvest and concluding when the following dormant period starts.” |
| 4.2.2 | to be deleted |
| Char. 1 | - to add (\*) and to add as grouping characteristic  - to add illustration |
| Char. 2, 3 | to be deleted |
| Char. 4 | to delete (a) |
| Char. 6 | to add explanation to read “Observations should be made on developing leaves.” |
| Char. 8 | state 3 to read “fan-shaped and funnel-shaped” and to replace current with improved illustration |
| Char. 9 | - to read “Leaf blade: length”  - to add (\*) |
| Char. 10 | - to read “Leaf blade: width”  - to add (\*) |
| Char. 11 | to be deleted |
| Char. 12 | to be removed from grouping characteristics, but to keep in TQ 5 |
| Char. 13 | - to read “Leaf blade: secondary color”  - to add new states “none” and “green”  - to add as grouping char. and to TQ 5 |
| Char. 14 | - to check whether to read “Leaf blade: pattern of secondary color”  - to have states “none”, “only narrow stripes”, “narrow and broad stripes”, “only broad stripes”  - to check whether state “marginal” is applicable or should be removed  - to add illustration |
| Char. 16 | to have the following states and illustration:  A line drawing of a leaf  AI-generated content may be incorrect. |
| Char. 19 | - to read “…: depth of incisions of margin”  - state 1 to read “absent or shallow” |
| Char. 20 | to improve illustration to better illustrate the states |
| Char. 26 | to add (\*) and add to TQ 5. |
| Char. 27 | to add to TQ 5. |
| Char. 31 | to check whether to add an explanation for ridging |
| 8.1 (a) | to become Ad. 4 and to read “Observations should be made in the dormant period.” |
| Ad. 9 | to add “Observations should be made on fan-shaped leaves only.” |
| Ad. 28, 29 | - to replace current illustrations with improved ones indicating the base and apex |
| Ad. 31 | to add “A ridge is an extension of the nut along the suture from the top to the bottom.” |
| Ad. 32, 33 | to replace photographs by drawings |
| Ad. 35, 36 | to replace “is determined” with “is reached” |
| TQ 4.2.2 (b) | to read “Budding or grafting (please indicate rootstock)” |
| TQ 5. | to check whether to add chars. 26 and 27 (used for grouping but are not included in the TQ) |

#### Hellebore (*Helleborus* L.)

The subgroup discussed document TG/HELLE(proj.1), presented by Jacqueline Van Renselaar-Hup (Kingdom of the Netherlands), and agreed the following:

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| Char. 6 | to be moved before char. 1 |
| Char. 7 | to be deleted |
| Char. 16 | to delete “… of margin” |
| Char. 19 | to delete (c) and add further explanation on time of observation in Ad. 19 |
| Char. 26 | - to add example varieties for a higher notes  - to check whether to read: “…type: anemone and double: Flower: density” or to have two separate characteristics for anemone and double flower types |
| Char 32, 33 | - to check whether including characteristic on area of over and ground color  - to check whether to add illustrations |
| Char. 38 | to replace “macule” by “basal spot” |
| Char. 42, 45, 47 | to check whether order of states of expression should be swapped to have “greenish” before “yellowish” (according to the examples in TGP/14 it is yellowish before greenish) |
| 8.1 | to reorder to have explanations in alphabetical order in the table of characteristics |
| 8.1 (a) | to read “…fully grown leaves at the end of flowering period” |
| 8.1 (b) | to be deleted |
| 8.1 (d) | to read “… before bud opening.” |
| 8.1 (e) | To read “… when the first 10-30% of the filaments…” |
| 8.1 (h) | to check whether to be improved (see for alternative TGP/14 3.2 a and b (pg 63))  to read “smaller” instead of “smallest” |
| Ad. 5 | to add:  few = 5 or less  medium = 6 to 8  many = 9 or more |
| Ad. 11 | - to improve illustrations to show individual leaves  - to read “Variegation is the appearance of differently colored zones which could be speckled or blotched.”  - sentence on marbling to read “With marbling the different color is always present along the veins” and to be moved to 8.1 to become an illustration for all marbling characteristics |
| Ad. 18 | To read “Observations should be made in the middle third of the longest flowering stem below the point where the stem starts making lateral branches.” |
| Ad. 23 | to read “Observations should be made excluding the veins.” |
| Ad. 24 | To replace illustration for state “drooping” and replace the picture of note 4 with the picture of note 5 |
| Ad. 25 | - to improve illustration for state 1  - to add explanation on difference between sepals and petals |
| Ad. 26 | states to read as in characteristic 26 |
| Ad. 30 | to have illustrations showing the sepals only |
| Ad. 38 | to replace by picture for sepal length and add explanation |
| Ad. 42, 45, 47 | to check whether to add explanation that the characteristic cannot be observed in varieties with high anthocyanin coloration |
| Ad. 49 | to be deleted (color illustration) |
| TQ 4.2 | to add all suitable options on method of propagating the variety for both seed- (cross- and self-pollinated) vegetatively propagated varieties (in vitro) |

#### Lotus (*Nelumbo* Adans.)

The subgroup discussed document TG/NELUM(proj.3), presented Mr. Daike Tian (China), and agreed the following:

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| 3.4.1, 3.4.2 | to combine both paragraphs to read “Each test should be designed to result in a total of at least 10 plants.” |
| 4.1.1 | to be deleted |
| 4.1.4 | to read:  “In the case of either vegetatively propagated or seed-progated varieties, 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 be deleted |
| Table of characteristics: Color characteristics | - to add indication of explanation “(a)” to all “main color” characteristic  - to check the approach used for color characteristics: there are currently several characteristics for color of flower and tepals. To check whether to keep the most useful for distinguishing cultivated varieties |
| Table of characteristics: Flower  characteristics | - to add (b) |
| Table of Characteristics | to check the number of characteristics and whether all are needed (are all of the required to establish distinctness?) |
| Char. 5 | to add to TQ 5. |
| Char. 7 | state 2 to read “broad elliptic |
| Char. 9 | to read “Leaf blade: rough area” with the states “absent or small”, “medium”, “large” (see explanation) |
| Char. 10 | to read “Leaf blade: depth of sinus” and add explanation that “observations should be made on the deepest sinus” |
| Char. 11 | - to read “Leaf blade: anthocyanin coloration of margin”  - to check whether to be indicated as QN and have a scale of 3 or 5 notes |
| Char. 12 | to read “Leaf blade: gap in central mark” |
| Char. 16 | - state 2 to read “green with purple-red margin”  - to read “Flowering period” |
| Char. 17 | to read “Time of flowering period” |
| Char. 18 | to read “Duration of flowering” |
| Char. 21 | To check whether to read: Flower: number of tepals |
| Char. 23 | - to check whether to explain the different “types” based on characteristics that explain their differences  - to check whether to be reconsidered in combination with Char. 21 |
| Char. 24 | to be deleted |
| Char. 25 | to change to “Tepal: distribution of secondary color” and adjust states accordingly |
| Char. 26 | to add explanation on time of observation |
| Char. 29 | to add (b) |
| Char. 30 | to add as grouping characteristic with color groups |
| Char. 33 | to add explanation and/or illustrations |
| Char. 41 | to read “Carpel: type”  to check overlap with char. 21 for state 5 “petaloid” |
| Char. 42 | to add MS |
| Char. 43 | to add example varieties (the difference between green yellow and yellow green without example varieties is unclear) |
| Char. 49 | to check whether to combine states 1 and 2 to read “absent or very low” or delete “absent” and add a QL characteristic with states “absent” and “present” |
| Char. 50 | to delete “top” |
| Char. 55 | to read “waxy layer” |
| Char. 59 | to add explanation on how to observe rhizome maturity  to be indicated as MG |
| 8.1 (c) | to correct cross reference to “(b)” |
| Ad. 10 | to remove indication of north, south, east west from the illustration and add that deepest sinus is always on the upper side |
| Ad. 11 | to improve illustration (close-up photo) |
| Ad. 29 | to delete wording |
| Ad. 30 | to check whether to be deleted as it is covered by (b) and (c) |

#### \*Magnolia (*Magnolia* L.)

The subgroup discussed document TG/MAGNO(proj.6), presented by Ms. Yaling Wang (China), and agreed the following:

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| Cover page | to add the following synonyms to the main botanical name:  *Yulania* Spach, *Michelia* L., *Lirianthe* Spach, *Houpoea* N. H. Xia & C. Y. Wu, *Oyama* (Nakai) N. H. Xia & C. Y. Wu, *Manglietia* Blume, *Parakmeria* Hu & W. C. Cheng |
| Char. 8 | to be deleted |
| Char. 18, 19 | to read “main color” and to add explanation (g) |
| Char. 22 | to check whether to read “Flower bud: color of bracts” (the term spathaceous bract usually is used for special bracts such as e.g. the bract in Anthurium.) |
| Char. 24 | - to check whether to read “Flower: attitude” or “Flower: attitude of peduncle” with states from “erect” to “drooping” (three or more?)  - to be indicated as QN  - to add illustrations |
| Char. 31, 32 | to review characteristics and how to present them in Ad. 26 |
| Char. 55 | - to read “Length of first flowering period”  - to check whether to delete (\*) |
| Char. 56 | to check whether to reduce the scale to 3 notes |
| 8.1 (e) | end of last sentence to read “… on a sunny day.” |
| Ad. 18 | to delete first sentence |
| Ad. 24 | to be improved (see comment on char. 24) |
| Ad. 26 | to be revised according to changes to chars. 31 and 32 and make sure all types are clearly distinguishable (e.g globose and bowl-shaped currently have the same explanation) |
| Ad. 54 | to read “Time of beginning of first flowering is reached when the first flower bud blooms on all plants.” |
| Ad. 55 | to read “Observation should be made for the full time of flowering, from beginning to end. The end of flowering occurs when less than 3% of flowers are left in bloom on all plants.” |
| TQ 4.2 | - to delete Seed propagated varieties  - delete repetition of “budding or grafting” |

#### Pot Azalea (*Rhododendron simsii* Planch.) and Rhododendron (*Rhododendron* L.) (Revision to combine TGs)

The subgroup discussed document TG/42/7-TG/140/5(proj.1), presented by Ms. Daniela Christ (Germany), and agreed the following:

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| 2.2 | to read “The material is to be supplied in the form of plants.” |
| 4.2.2 | second sentence to read “In the case of a sample size of 6 or 10 plants, 1 off-type is allowed.” |
| 6.5 | to add explanation for [G] to the legend (only to be observed for garden types) |
| Char. 2 | to move “whitish” before “yellow” and “yellow green” after “yellow” and before “light green” |
| Char. 3, 4 | to replace “indumentum” with “tomentum” |
| Char. 5 | to check whether to move wording in brackets to an explanation (“Observations should be made including the petiole.”) or to delete it |
| Char. 9 | to add explanation that observations should be made without hairs |
| Char. 10 | to be deleted |
| Char. 11 | to add state “yellow” |
| Char. 12 | - to read “Mature leaf: secondary color of upper side”  - to add states “none” and states of char. 11 not currently in char. 12  - to add as grouping char. and TQ 5 |
| Char. 14 | to check wording of characteristic (to avoid length absent) |
| Char. 21 | to have states from extremely small to extremely large |
| Char. 24 | to be deleted and to be replace with “Flower: curvature of corolla lobes (as in TG/305/1) |
| Char. 24 to 26 | 24 to 26 to check whether to read “corolla lobe: …” (if so, to re-order characteristics) |
| Char. 29, 35 | state 1 to read “none” |
| Char. 30, 31, 32, 33 | to add state “none” |
| Char. 38 | to be indicated as QL |
| Char. 44 | state 2 to read “green”, state 3 to read “yellow” |
| 8.1 (e) | - first paragraph to read “… , the darker color is considered to be the main color.”  - last sentences to read “Markings are always associated with spots of a similar color. A blotch not surrounded by spots of a similar color should be observed as a secondary or tertiary color.”  - to specify that the illustration is only an example |
| Ad. 3 | to read “Tomentum: matted woolly hairs on the upper side of the leaf, especially on new growth during the summer, which can be easily wiped off by hand or rain.” |
| 8.3 | to check whether to improve separation between G and P types (What are the characteristics separating the two types?) |
| TQ 1. | to add 1.3 for indication of species |
| TQ 7. | to add a question if it is [G] or [P]? |

#### \*Zantedeschia (*Zantedeschia* Spreng.) (Revision)

The subgroup discussed document TG/177/4(proj.2), presented by Ms. Jolanda van Schie (Kingdom of the Netherlands), and agreed the following:

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| 2.2 | to read “The material is to be supplied in the form of rhizomes/tubers of a sufficient size able to produce flowers.” |
| 2.3 | to delete ASW on seed requirements |
| 3.4 | to add information on test design for the additional type of plant material added in 2.3 (seed-propagated varieties) |
| 4.2 | to add information for seed-propagated varieties |
| 4.2.3 | to check whether to be deleted |
| Table of Chars. | to check whether to replace example varieties “Captain” by others more commonly available |
| Char. 2 | - to delete “total” and whether to add explanation  - to check whether the term “shoot” to be replaced by “growing point” or other term |
| Char. 3 | to check whether the term “shoot” to be replaced by “growing point” or other term |
| Char. 9 | - to be indicated as QN  - to check whether state 2 to read “narrow obtuse”  - state 3 to read “broad obtuse” |
| Char. 12 | - to check whether to rename characteristic to “main color”  - to check states of expression  - to add explanation (d) (8.1) |
| Char. 13 | to add state “green” |
| Char. 14 | to spell “throughout” in lower case |
| Char. 21 | to add state “moderately above” |
| Char. 22 | to read “Spathe: height” and to have states from “very short” to “very tall” |
| Char. 23 | to check whether to be reduced to a scale of 5 notes |
| Char. 26 | - to delete “natural”  - state 3 to read “rounded” |
| Char. 30 | to add (\*) (used for grouping and TQ 5) |
| Char. 32 | to add the following photograph  A close-up of a white flower  AI-generated content may be incorrect. |
| Char. 33 | to be deleted |
| Char. 34 | - to add (\*) (used for grouping and TQ 5)  - to add one illustration of throat spot  - to check whether there is variation on size of throat spots |
| 8. | General comment on illustrations: to orientate all illustrations with base at bottom (leaves and flowers) |
| 8.1 (e) | to be moved to section 8.2 as an explanation for char. 40 and to read “Observations should be made three to four weeks ...” |
| Ad. 5 | to check whether to improve indication of measurements |
| Ad. 11 | to add explanation on observation to be made on predominant size of spots |
| Ad. 13 | to read “Observation should be made excluding the leaf spots.” |
| Ad. 14 | to check approach used to describe secondary color, including illustration for state 4 |
| Ad. 23 | to improve illustration to indicate the overlapping part all the way to the base of the spathe |
| Ad. 26 | to rotate images to have distal part of both photos in the same direction. To add sentence “Observations should be made from above.” |
| Ad. 28 | to check whether to improve illustration for state 2 or to delete it. To remove scale bar from diagrams |
| Ad. 33 | to be deleted |
| TQ 4.2.2 | to check which options should be kept/displayed |

### Partial revisions

#### Carnation (*Dianthus* L.)

The subgroup discussed document TWO/57/3, presented by Ms. Katie Berbee (Kingdom of the Netherlands), and agreed the following:

|  |  |
| --- | --- |
| New char.  (b) II. | to add example variety “Hilbregremag (Cu)” to state 2 |

## Recommendations on draft Test Guidelines

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

The TWO agreed that the following draft Test Guidelines should be submitted to the TC for adoption at its sixty-first session, to be held in Geneva on October 20 and 21, 2025, on the basis of the following documents and the comments in this report:

Full draft Test Guidelines

| Species | Basic Document(s) |
| --- | --- |
| \*Poinsettia (*Euphorbia pulcherrima* Willd. ex Klotzsch; Euphorbia pulcherrima Willd. ex Klotzsch × Euphorbia cornastra (Dressler) Radcl.-Sm.) (Revision) | TG/24/7(proj.4), TWO/57/9 |

Partial revisions

| Species | Basic Document(s) |
| --- | --- |
| Carnation (*Dianthus* L.)  - addition of new characteristics for description of *Dianthus barbatus* types | TG/25/9, TWO/56/5 |

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

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

#### Full draft Test Guidelines

| Species | Basic Document(s) |
| --- | --- |
| \*Ginkgo (*Ginkgo biloba* L.) | TG/GINKG\_BIL (proj.3) Corr. |
| \*Helleborus (*Helleborus* L.) | TG/HELLE(proj.1) Corr. |
| Lotus (*Nelumbo* Adans.) | TG/NELUM(proj.3) Corr. |
| \*Magnolia (*Magnolia* L.) | TG/MAGNO(proj.6) Corr. |
| Ornamental Apple (*Malus* Mill.) (Revision) | TG/192/1 |
| \*Pot Azalea (*Rhododendron simsii* Planch.) and Rhododendron (*Rhododendron* L.) (Revision to combine TGs) | TG/42/7-TG/140/5(proj.1) Corr. |
| \*Zantedeschia (*Zantedeschia* Spreng.) (Revision) | TG/177/4(proj.2) Corr. |

#### Partial revisions

| Species | Basic Document(s) |
| --- | --- |
| Aloe (*Aloe* L.)  - addressing different flowering times in flowering characteristics | TG/310/1, TWO/56/4 |

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

### (c) Possible Test Guidelines to be discussed in 2027

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

|  |  |
| --- | --- |
| Subject | Basic document(s) (2025) |
| Evening Primrose (*Oenothera* L.) and Gaura (*Gaura* L.) (Revision to combine both TGs) (NL) | TG/144/3 and TG/261/1 |
| Maple (*Acer* L.) (CN) | New |
| Poplar (*Populus* L.) (Revision) (FR) | TG/21/7 |
| Torenia (*Torenia* L.) (Revision, inclusion of double flower varieties) (JP,) | TG/272/1 |
| Tulip (*Tulipa* L.) (Revision) (NL) | TG/115/4 |

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

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-sixty session of the TWF:

|  |  |
| --- | --- |
| Subject | Interested experts (countries/organizations) [[1]](#footnote-2) |
| Hazelnut (*Corylus avellana* L.; *Corylus colurna* L.) (Revision) | CA, HU |
| \*Granadilla, Passion fruit (*Passiflora edulis* Sims) (Revision) | NL, CIOPORA |

# Matters for information

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

The TWO noted the information on developments in plant variety protection from members and observers provided in document TWO/57/2 Prov. The TWO noted that reports submitted to the Office of the Union after March 25, 2025, and until April 3, 2025, would be included in the final version of document TWO/57/2.

## Reports on developments in UPOV

The TWO noted the following matters for information, as set out in document TWP/9/1:

1. Revision of TGP Documents in 2024
2. Revision of Information Documents in 2024
3. Revision of Explanatory Notes on Variety Denominations (new denomination class for *Prunus*)
4. Discussion on disease resistance characteristics in DUS examination
5. Matters arising from the Technical Working Parties
6. Organization of the 2025 Seminar on cooperation with breeders in DUS examination
7. Measures to improve support provided for DUS examination

# Chairperson

The TWO agreed to propose to the TC that it recommend to the Council to elect Ms. Stéphanie Christien (France) as the next chairperson of the TWO.

# Date and place of the next session

The TWO agreed that its fifty-eighth session should be held via electronic means, from July 6 to 9, 2026.

# Future program

The TWO agreed that documents for its fifty-eighth session should be submitted to the Office of the Union by May 29, 2026. 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.

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

1. Procedures for DUS examination (presentations invited)
2. Report on court cases dealing with technical matters (presentations invited)
3. Molecular techniques in DUS examination (presentations invited)
4. Information databases (presentations invited)
5. Experiences with new types and species (oral reports invited)
6. Discussion on draft Test Guidelines (Subgroups)
7. Recommendations on draft Test Guidelines
8. Date and place of the next session
9. Future program
10. Adoption of the report of the session (if time permits)

Matters for information

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

# Visit

On the morning of April 2, 2025, the TWO visited the Dutch Flower Bulb Inspection Service (BKD) and the Royal General Bulb Growers’ Association (KAVB) in Lisse. The TWO was welcomed by Mr. Bert Pinxterhuis, Director, BKD, who gave a presentation introducing the BKD. A copy of the presentation is provided in Annex V to this document. The TWO received a presentation on the activities of the KAVB by Ms. Saskia Bodegom, Taxonomist, a copy of which is provided in Annex VI to this document. The TWO received a presentation on two court cases, on Tulip and Amaryllis, by Mr. Kees Jan Groenewoud, Secretary, Dutch Board for Plant Varieties.

The TWO visited DUS bulb trials for tulips, daffodils, crocuses and muscari, grown on the BKD facilities and visited the tulip variety collection, containing over 2,500, grown on the KAVB facilities.

In the afternoon of April 2, 2025, the TWO visited the Keukenhof, a bulb spring garden with over seven million tulip and other bulbs hand planted every year with new varieties as well as varieties dating back as far as the seventeenth century. The Keukenhof was founded in 1949 by Dutch bulb growers to increase export and grows varieties provided by the bulb growers.

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

[Annex I follows]

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[Annex II follows]

[see pdf version]

[Annex III follows]

TC SUB-GROUP ON TEST GUIDELINES:

SUMMARY OF DISCUSSION AT THE 57TH SESSION OF THE TWO

(Report by the leading expert, Ms. Margaret Wallace (United Kingdom))

The TWO discussed the presentation from the leading expert of the subgroup, Margaret Wallace (United Kingdom), a copy of which is provided in document TWP/9/3. The group also submitted responses to an online questionnaire.

A summary of the responses and discussion follows:

The group recognised the technical nature of the language used in the standard wording and agreed that it was important that any simplification of wording does not lose the important information.

The TWO agreed that there could be improvements made to the linking of UPOV Guidance documents.

Of the 36 responses to the questionnaire, 28 said that they do print the Test Guidelines. Of those who print, half said they only print part(s) of the document, with the table of characteristics (section 7) and associated explanations (section 8) being the most printed section of the Test Guidelines.

The TWO agreed that viewing the Test Guidelines on a screen (rather than on paper) caused some difficulty in viewing the table of characteristics and the explanations.

The summary of the group responses to the questionnaire indicated that illustrations, diagrams, or photographs was the preferred method of harmonising observations; followed by text explanations, then example varieties in the order of UPOV, National, and then Regional sets.

The questionnaire included questions related to the use of the UPOV Technical Questionnaires.

The group had mixed opinions on whether the TQ should remain part of the Test Guidelines (33%) or form a separate document (36%). The remaining responses were unsure and would have to check (31%).

The TWO had limited experience of the inclusion of descriptions of methods in a Test Guidelines but agreed that having a separate document may reduce ease of access, so careful consideration would be required.

Follow-up actions:

This summary will be collated with those from discussions at the 2025 sessions of the TWM, TWV, TWA, and TWF, along with other comments made during the discussions and presented to the Technical Committee for consideration at its sixty-first session.

Margaret Wallace (Niab)

United Kingdom

[Annex IV follows]

TECHNICAL QUESTIONNAIRE, SECTION 4.2: “METHOD OF PROPAGATING THE VARIETY”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 010 | Euphorbia Fulgens | Euphorbia fulgens | Korallenranke | Euforbia | Euphorbia fulgens Karw. ex Klotzsch |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 047 | Streptocarpus | Streptocarpus | Drehfrucht | Streptocarpus | Streptocarpus X hybridus Voss |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 069 | Forsythia | Forsythia | Forsythie | Forsythia | Forsythia Vahl |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 087 | Narcissi (including Daffodils) | Narcisse, Jonquille | Narzisse | Narciso | Narcissus L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

in vitro propagation

Division

Bulbs

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 091 | Crown of Thorns | Épine du Christ | Christusdorn | Azofaifa de la espina de Cristo | Euphorbia milii Desmoulins and its hybrids |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 103 | Juniper | Genévrier | Wacholder | Enebro | Juniperus L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

Budding or grafting

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 113 | Easter Cactus | Cactusjonc | Osterkaktus | Cactus de Pascua | Rhipsalidopsis Britt. et Rose, including Epiphyllopsis Berger |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 114 | Exacum | Exacum | Exacum | Exacum | Exacum L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 115 | Tulip | Tulipe | Tulpe | Tulipán | Tulipa L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

in vitro propagation

Division

Bulbs

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 126 | Lachenalia | Lachenalia | Lachenalia | Lachenalia | Lachenalia Jacq. f. ex Murray |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 127 | Leucadendron | Leucadendron | Leucadendron | Leucadendron | Leucadendron R. Br. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 128 | Leucospermum | Leucospermum | Leucospermum | Leucospermum | Leucospermum R. Br. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 129 | Protea | Protea | Protea | Protea | Protea L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 131 | Chincherinchee | Ornithogale | Milchstern | Ornithogalum | Ornithogalum L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

in vitro propagation

Division

Bulbs

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 132 | Dieffenbachia | Dieffenbachia | Dieffenbachia | Dieffenbachia | Dieffenbachia Schott |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 135 | Spathiphyllum | Spathiphyllum | Spathiphyllum | Spathiphyllum | Spathiphyllum Schott |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

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| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 141 | Aster | Aster | Aster | Aster | Aster L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 144 | Evening Primrose | Onagre | Nachtkerze | Onagra | Oenothera L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 147 | Pyracantha, Firethorn | Pyracantha, Buisson Ardent | Feuerdorn | Espino de fuego | Pyracantha M.J. Roem. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 156 | Ifafa Lily | Cyrtanthus | Cyrtanthus | Cyrtanthus | Cyrtanthus Ait. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

in vitro propagation

Division

Bulbs

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 174 | Iris (bulbous) | Iris (bulbeux) | Iris (zwiebelbildende) | Lirio (bulboso) | Iris L. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

in vitro propagation

Division

Bulbs

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 214 | Catharanthus | Pervenche de Madagascar | Zimmerimmergrün | Vinca pervinca | Catharanthus roseus (L.) G. Don |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

|  |  |  |  |  |  |
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| **CODE** | [**ENGLISH**](https://www.upov.int/test_guidelines/en/list.jsp?sort=en) | [**FRANÇAIS**](https://www.upov.int/test_guidelines/fr/list.jsp?sort=fr) | [**DEUTSCH**](https://www.upov.int/test_guidelines/de/list.jsp?sort=de) | [**ESPAÑOL**](https://www.upov.int/test_guidelines/es/list.jsp?sort=es) | [**LATIN**](https://www.upov.int/test_guidelines/en/list.jsp?sort=la) |
| 216 | Hypericum hircinum L.,  H. androsaemum L., H. x inodorum Mill. | Hypericum hircinum L., H. androsaemum L., H. x inodorum Mill. | Hypericum hircinum L., H. androsaemum L., H. x inodorum Mill. | Hypericum hircinum L., H. androsaemum L., H. x inodorum Mill. | Hypericum hircinum L., H. androsaemum L., H. x inodorum Mill. |

**4.2 Method of propagating the variety**

       Information on method of propagating the variety

**Vegetatively propagated varieties**

Cuttings

in vitro propagation

 Other (please specify):

** Other (please specify):**

[Annexes V and VI follow]

[see pdf version]

[Annex VII follows]

LIST OF LEADING EXPERTS

**DRAFT TEST GUIDELINES TO BE SUBMITTED   
TO THE TECHNICAL COMMITTEE IN 2025**

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

**by May 16, 2025**

Full draft Test Guidelines

| Species | Basic Document(s) | Leading expert(s) |
| --- | --- | --- |
| \*Poinsettia (*Euphorbia pulcherrima* Willd. ex Klotzsch; Euphorbia pulcherrima Willd. ex Klotzsch × Euphorbia cornastra (Dressler) Radcl.-Sm.) (Revision) | TG/24/7(proj.4), TWO/57/9 | Ms. Laetitia Denecheau (QZ) |

Partial revisions

| Species | Basic Document(s) | Leading expert(s) |
| --- | --- | --- |
| Carnation (*Dianthus* L.)  - addition of new characteristics for description of *Dianthus barbatus* types | TG/25/9, TWO/56/5 | Ms. Katie Berbee (NL) |

**DRAFT TEST GUIDELINES TO BE DISCUSSED AT TWO/58**

(\* indicates possible final draft Test Guidelines)

**(Guideline date for Subgroup draft to be submitted by Leading Expert: March 27, 2026**

**Guideline date for comments to Leading Expert by Subgroup: April 24, 2026)**

New draft to be submitted to the Office of the Union

**before May 22, 2026**

Full draft Test Guidelines

| Species | Basic Document(s) | Leading expert(s) | Interested experts (States/Organizations) [[2]](#footnote-3) |
| --- | --- | --- | --- |
| \*Ginkgo (*Ginkgo biloba* L.) | TG/GINKG\_BIL (proj.3) Corr. | Mr. Yongqi Zheng (CN) | FR, HU, KR, QZ, NZ, CIOPORA, Office |
| \*Helleborus (*Helleborus* L.) | TG/HELLE(proj.1) Corr. | Ms. Katie Berbee (NL) | DE, FR, GB, JP, KR, MX, QZ, CIOPORA, Office |
| Lotus (*Nelumbo* Adans.) | TG/NELUM(proj.3) Corr. | Mr. Daike Tian (CN) | CA, FR, JP, KR, CIOPORA, Office |
| \*Magnolia (*Magnolia* L.) | TG/MAGNO(proj.6) Corr. | Ms. Yaling Wang (CN) | AU, CA, FR, GB, JP, KR, NZ, QZ, CIOPORA, Office |
| Ornamental Apple (*Malus* Mill.) (Revision) | TG/192/1 | Ms. Ling Guo (CN) | TWF, AU, CA, FR, GB, KR, QZ, NZ, Office |
| \*Pot Azalea (*Rhododendron simsii* Planch.) and Rhododendron (*Rhododendron* L.) (Revision to combine TGs) | TG/42/7-TG/140/5(proj.1) Corr. | Ms. Daniela Christ (DE) | CA, CN, FR, GB, JP, MX, QZ, ZA, CIOPORA, Office |
| \*Zantedeschia (*Zantedeschia* Spreng.) (Revision) | TG/177/4(proj.2) Corr. | Ms. Katie Berbee (NL) | CN, FR, JP, MX, QZ, ZA, CIOPORA, Office |

Partial revisions

| Species | Basic Document(s) | Leading expert(s) | Interested experts (States/Organizations) 2 |
| --- | --- | --- | --- |
| Aloe (*Aloe* L.)  - addressing different flowering times in flowering characteristics | TG/310/1, TWO/56/4 | Mr. Marco Hoffman (NL) | QZ, ZA, CIOPORA, Office |

Draft Test Guidelines to possibly be discussed in 2027

|  |  |
| --- | --- |
| Subject | Basic document(s) (2025) |
| Evening Primrose (*Oenothera* L.) and Gaura (*Gaura* L.) (Revision to combine both TGs) (NL) | TG/144/3 and TG/261/1 |
| Maple (*Acer* L.) (CN) | New |
| Poplar (*Populus* L.) (Revision) (FR) | TG/21/7 |
| Torenia (*Torenia* L.) (Revision, inclusion of double flower varieties) (JP,) | TG/272/1 |
| Tulip (*Tulipa* L.) (Revision) (NL) | TG/115/4 |

[End of Annex VII and of document]

1. for name of experts, see list of participants [↑](#footnote-ref-2)
2. for name of experts, see List of Participants. [↑](#footnote-ref-3)