UPOV
International Union for the Protection of New Varieties of Plants

E

Technical Working Party for Ornamental Plants and Forest Trees **TWO/57/10**

Fifty-Seventh Session
Roelofarendsveen, Kingdom of the Netherlands,
March 31 to April 3, 2025

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

1. 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.

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

4. 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

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

PROCEDURES FOR DUS EXAMINATION

6. 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)

7. 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).

8. 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.

9. 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.

10. 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

11. 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.

12. 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.

13. 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

14. 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]

15. 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.

REPORT ON COURT CASES DEALING WITH TECHNICAL MATTERS

16. 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.

17. 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

18. 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.

19. 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*.

20. 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.

21. 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

22. The TWO considered document TWP/9/4 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.

23. 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

24. 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.

25. 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.

26. 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.

27. 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

28. 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.

29. 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

30. 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.

31. 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.

32. 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.

33. 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.)

34. 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.)

35. 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

36. The TWO considered document TWP/9/3.

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

37. 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.

38. 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

39. 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"

40. 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.

41. 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)

- 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

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

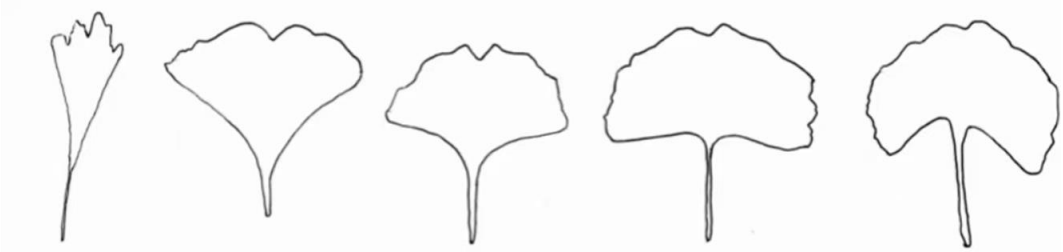
Char., Ad. 27	to have states (1) none or one, (2) two, (3) more than two and to keep current illustrations
Char. 35, 39	to add example varieties already used in the draft to these characteristics *Leading Expert: to add the following example varieties:* *- Characteristic 35 "Bract: distribution of secondary 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.)

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

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:  1 narrow cuneate 2 medium cuneate 3 broad cuneate 4 truncate 5 cordate
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.)

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

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.)

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

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.)

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

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)

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

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)

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

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 
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.)

49. 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

50. 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

51. 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

52. 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

53. 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

54. 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]
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

55. 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

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

(i) Revision of TGP Documents in 2024
(ii) Revision of Information Documents in 2024
(iii) Revision of Explanatory Notes on Variety Denominations (new denomination class for *Prunus*)
(iv) Discussion on disease resistance characteristics in DUS examination
(v) Matters arising from the Technical Working Parties
(vi) Organization of the 2025 Seminar on cooperation with breeders in DUS examination
(vii) Measures to improve support provided for DUS examination

CHAIRPERSON

57. 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

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

FUTURE PROGRAM

59. 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.

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

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

[1] for name of experts, see list of participants

Matters for discussion

3. Procedures for DUS examination (presentations invited)

4. Report on court cases dealing with technical matters (presentations invited)

5. Molecular techniques in DUS examination (presentations invited)

6. Information databases (presentations invited)

7. Experiences with new types and species (oral reports invited)

8. Discussion on draft Test Guidelines (Subgroups)

9. Recommendations on draft Test Guidelines

10. Date and place of the next session

11. Future program

12. Adoption of the report of the session (if time permits)

Matters for information

13. Reports from members and observers (written reports to be prepared by members and observers)

14. Report on developments within UPOV (general developments, including variety denominations, information databases, exchange and use of software and equipment)

15. Closing of the session

VISIT

61. 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.

62. 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.

63. 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.

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

[Annex I follows]

ANNEX I

LIST OF PARTICIPANTS

I. MEMBERS

ALBANIA

Hona HERRI (Ms.), Specialist, Department for Variety Testing, Ministry of Agriculture and Rural Development, Tirana
(e-mail: hona.herri@eshff.gov.al)

Gerta HIDA (Ms.), Specialist, Ministry of Agriculture and Rural Development, Tirana
(e-mail: hidagerta1@gmail.com)

ARGENTINA

María Lilia LOSADA (Ms.), Examiner, Dirección de Registro de Variedades, Secretaía de Industria y Comercio Exterior, Ministerio de Economía, Buenos Aires
(e-mail: mlosada@inase.gob.ar)

ARMENIA

Meruzhan ZADAYAN (Mr.), Head of Research Department, Center for Agriculture Research and Certification, Ministry of Agriculture, v. Merdzavan
(e-mail: meruzhanzadayan.carc@gmail.com)

Vagharsh MELKUMYAN (Mr.), Scientific Researcher, Center for Agricultural Research and Certification, Ministry of Agriculture, v. Merdzavan
(e-mail: vagharshmelkumyan.carc@gmail.com)

AUSTRALIA

Andrew HALLINAN (Mr.), Senior Examiner of PBR, Plant Breeders Rights, IP Australia, Woden
(e-mail: andrew.hallinan@ipaustralia.gov.au)

Barkat MUSTAFA (Mr.), PBR Examiner, Plant Breeders Rights, IP Australia, Phillip
(e-mail: Barkat.Mustafa@ipaustralia.gov.au)

BRAZIL

Luiz Cláudio AUGUSTO DE OLIVEIRA (Mr.), Federal Agricultural Inspector, Plant Variety Protection Office, National Plant Variety Protection Service (SNPC), Ministry of Agriculture and Livestock, Brasilia
(e-mail: luiz.oliveira@agro.gov.br)

CANADA

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

Jennifer ROACH (Ms.), Examiner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa
(e-mail: jennifer.roach@inspection.gc.ca)

CHINA

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

Jinghua DUAN (Mr.), Director of DUS Division, DUS Division, National Forestry and Grassland Administration, Beijing
(e-mail: 13683366262@163.com)

Shenzao FU (Mr.), Technical Director, Institute of Vegetables and Flowers, Beijing Sub-Center of New Plant Variety Tests, Chinese Academy of Agricultural Sciences, Beijing
(e-mail: fushenzao@caas.cn)

Yaju LIU (Ms.), Department Director, Xuzhou Institute of Agricultural Sciences, Xuzhou
(e-mail: yajuliu@163.com)

Chuanhong ZHANG (Ms.), Research Professor, Research Institute of Forestry, Chinese Academy of Forestry, Beijing
(e-mail: zhangch@caf.ac.cn)

Daike TIAN (Mr.), Professor, Shanghai Chenshan Botanical Garden, Shanghai
(e-mail: dktian@cemps.ac.cn)

Yaling WANG (Ms.), Professor, Hainan University, Haikou
(e-mail: 996216@hainanu.edu.cn)

Yaju LIU (Ms.), Associate Professor, Xuzhou Institute of Agricultural Sciences, Xuzhou
(e-mail: yajuliu@jaas.ac.cn)

Li LIN (Mr.), Associate professor, Ningbo City College of Vocational Technology, Ningbo
(e-mail: linli851111@163.com)

Shan DENG (Ms.), Senior Agronomist, Shanghai Sub-center for New Plant Variety Tests, Shanghai
(e-mail: dengshan85@163.com)

Yi SUN (Ms.), Senior Engineer, National Botanical Garden, Beijing
(e-mail: sunyi72@163.com)

Yunxia CHU (Ms.), Researcher, Shanghai Sub-center for New Plant Variety Tests, Ministry of Agriculture and Rural Affairs (MARA), Shanghai
(e-mail: chuyx@189.cn)

Leiming DONG (Mr.), Research Scientist, China National Botanical Garden, Beijing
(e-mail: dongleiming2008@126.com)

Ling GUO (Ms.), Research Scientist, National Botanical Garden of China, Beijing
(e-mail: lingguo27@163.com)

Yang LU (Mr.), Research Assistant, Xiangyang Sub-center for New Plant Variety Tests, Xiangyang
(e-mail: rabbit.5212@163.com)

Yijun SU (Mr.), Assistant Researcher, Xuzhou Institute of Agricultural Sciences, Xuzhou
(e-mail: suyijun@jaas.ac.cn)

Qi YE (Ms.), Teaching assistant, Ningbo City College of Vocational Technology, Ningbo
(e-mail: yeqi0206@outlook.com)

Ping LIYU (Ms.), Postgraduate, Hainan University, Haikou
(e-mail: 3516529226@qq.com)

EUROPEAN UNION

Jean MAISON (Mr.), Head of PVE Unit, Technical Unit, Community Plant Variety Office (CPVO), Angers
(e-mail: maison@cpvo.europa.eu)

Laetitia DENECHEAU (Ms.), Technical Expert for Ornamental Plants, Community Plant Variety Office (CPVO), Angers
(e-mail: denecheau@cpvo.europa.eu)

Jens WEGNER (Mr.), Technical Expert for Ornamental Plants and Fruit Crops, Community Plant Variety Office (CPVO), Angers
(e-mail: wegner@cpvo.europa.eu)

Véronique DOREAU (Ms.), Technical Expert, Community Plant Variety Office (CPVO), Angers
(e-mail: doreau@cpvo.europa.eu)

FRANCE

Stéphanie CHRISTIEN (Ms.), Head of the Ornamental DUS section, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Brion, Les Bois d'Anjou
(e-mail: stephanie.christien@geves.fr)

Marc DELÊTRE (Mr.), Research Engineer, BioGEVES, Pôle Génotypage / Bioanalyses, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Beaucouzé
(e-mail: marc.deletre@geves.fr)

Matéo SIBUET (Mr.), Ornamental experiment technician, Groupe d'étude et de contrôle des variétés et des semences (GEVES), Les Bois d'Anjou
(e-mail: mateo.sibuet@geves.fr)

GERMANY

Beate RÜCKER (Ms.), Head of Division, Bundessortenamt, Hanover
(e-mail: beate.ruecker@bundessortenamt.de)

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

Renate SOBEK (Ms.), Head of Section, DUS-Testing Ornamentals, Bundessortenamt, Hanover
(e-mail: Renate.Sobek@bundessortenamt.de)

Daniela CHRIST (Ms.), Head of section, DUS Testing of Woody Ornamentals, Bundessortenamt, Hanover
(e-mail: daniela.christ@bundessortenamt.de)

HUNGARY

Szilvia MÁRKNÉ DEÁK (Ms.), DUS Expert, Variety Testing Department for Horticultural Crops, Agricultural Genetic Resources Directorate, National Food Chain Safety Office (NÉBIH), Budapest
(e-mail: DeakSz@nebih.gov.hu)

Zsolt SZANI (Mr.), DUS Expert, Variety Testing Dept. for Horticultural Crops, National Food Chain Safety Office (NÉBIH), Budapest
(e-mail: szanizs@nebih.gov.hu)

ITALY

Andrea VOLANTE (Mr.), Researcher, Council for Agricultural Research and Economics, San Remo
(e-mail: andrea.volante@crea.gov.it)

Alessandro NATALINI (Mr.), Researcher, Council for Agricultural Research and Economics, Monsampolo del Tronto
(e-mail: alessandro.natalini@crea.gov.it)

JAPAN

Minori HAGIWARA (Ms.), Director for International Affairs on Plant Variety Protection, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo
(e-mail: minori_hagiwara110@maff.go.jp)

Naoki EGUCHI (Mr.), Senior Investigator, Unzen Station, Center for Seeds and Seedlings (NCSS), National Agriculture and Food Research (NARO), Nagasaki
(e-mail: eguchi.naoki418@naro.go.jp)

Koji NAKANISHI (Mr.), Assistant Examiner, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo
(e-mail: koji_nakanishi200@maff.go.jp)

Takuto KOZU (Mr.), Technical officer, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo
(e-mail: takuto_kozu950@maff.go.jp)

Mariko ISHINO (Ms.), Assistant Examiner, Plant Variety Protection Office, Intellectual Property Division, Export and International Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo
(e-mail: mariko_ishino300@maff.go.jp)

KENYA

Gentrix Nasimiyu JUMA (Ms.), Principal Plant Examiner, Kenya Plant Health Inspectorate Service (KEPHIS), Nairobi
(e-mail: gjuma@kephis.org)

MEXICO

Víctor Manuel VÁSQUEZ NAVARRETE (Sr.), Director de área, Servicio Nacional de Inspección y Certificación de Semillas (SNICS), Secretaria de Agricultura y Desarrollo Rural (Agricultura), Ciudad de México
(e-mail: victor.vasquez@agricultura.gob.mx)

José Merced MEJIA MUÑOZ (Sr.), Director de Prevención y Atención Integral de Riesgos a la Agricultura, Secretaría de Agricultura y Desarrollo Rural, Ciudad de México
(e-mail: jmerced58@hotmail.com)

NETHERLANDS (KINGDOM OF THE)

Marien VALSTAR (Mr.), Senior Policy Officer, Seeds and Plant Propagation Material, DG Agro, Ministry of Agriculture, Nature and Food Quality, Den Haag
(e-mail: m.valstar@minlnv.nl)

Raoul HAEGENS (Mr.), Domain Head of the Identity and Variety Testing Department, Naktuinbouw, Roelofarendsveen
(e-mail: r.haegens@naktuinbouw.nl)

Marco HOFFMAN (Mr.), Senior Policy Officer, Naktuinbouw, Roelofarendsveen
(e-mail: m.hoffman@naktuinbouw.nl)

Laura PIÑÁN GONZÁLEZ (Ms.), Policy Officer, Naktuinbouw, Roelofarendsveen
(e-mail: l.pinan.gonzalez@naktuinbouw.nl)

Lysbeth HOF (Ms.), Policy Officer, Naktuinbouw, Roelofarendsveen
(e-mail: l.hof@naktuinbouw.nl)

Marcel RIJSBERGEN (Mr.), DUS Expert, Naktuinbouw, Roelofarendsveen
(e-mail: m.rijsbergen@naktuinbouw.nl)

Jacqueline VAN RENSELAAR-HUP (Ms.), DUS Expert, Naktuinbouw, Roelofarendsveen
(e-mail: j.v.renselaar@naktuinbouw.nl)

Katie BERBEE-PONT (Ms.), DUS Specialist, Naktuinbouw, Roelofarendsveen
(e-mail: k.berbee-pont@naktuinbouw.nl)

Jolanda VAN SCHIE (Ms.), DUS Specialist, Naktuinbouw, Roelofarendsveen
(e-mail: j.v.schie@naktuinbouw.nl)

NEW ZEALAND

Cecilia REQUEJO-JACKMAN (Ms.), Senior Plant Variety Rights Examiner, Plant Variety Rights Office, Intellectual Property Office of New Zealand, Ministry of Economic Development, Christchurch
(e-mail: Cecilia.R-Jackman@pvr.govt.nz)

POLAND

Marcin KRÓL (Mr.), Head of DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Slupia Wielka
(e-mail: m.Krol@coboru.gov.pl)

Joanna GRUSZCZYŃSKA (Ms.), Head of DUS Testing Unit, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Slupia Wielka
(e-mail: j.gruszczynska@coboru.gov.pl)

Zofia STANISŁAWSKA (Ms.), Senior DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Slupia Wielka
(e-mail: z.stanislawska@coboru.gov.pl)

Anna TARANCZEWSKA (Ms.), DUS Expert, DUS Testing Department, Research Centre for Cultivar Testing (COBORU), Slupia Wielka
(e-mail: a.taranczewska@coboru.gov.pl)

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

REPUBLIC OF KOREA

Lakjung CHOE (Mr.), DUS Examiner, Korea Seed & Variety Service (KSVS), Gyeongsangbuk-do
(e-mail: clj1216@korea.kr)

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

EunHee JEON (Ms.), Examiner, Plant Variety Protection Division, Korea Seed and Variety Service (KSVS), Ministry of Agriculture, Food and Rural Affairs (MAFRA), Gimcheon City
(e-mail: ehjeon@korea.kr)

Dong-Jin PARK (Mr.), Researcher (DUS tester), National Forest Seed Variety Center (NFSV), Chungcheongbuk-do
(e-mail: djp0903@korea.kr)

Keum-Soon PARK (Ms.), DUS Examiner, Korea Seed and Variety Service (KSVS), Gyeongsangbuk-do
(e-mail: ks1012@korea.kr)

REPUBLIC OF MOLDOVA

Evghenia PARTAS (Ms.), Head, DUS Testing Division, Plant Variety Testing Center, National Institute of Applied Research in Agriculture and Veterinary Medicine, Chisinau
(e-mail: e.partas@cstsp.md)

Victoria ADAJUC (Ms.), Director, Ministry of Agriculture, Chisinau
(e-mail: adajuc.victoria@gmail.com)

ROMANIA

Cosmina Luminita STANCIU (Ms.), DUS Examiner for horticultural plants, State Institute for Variety Testing and Registration (ISTIS), Bucarest
(e-mail: cosmina_stanciu@istis.ro)

RUSSIAN FEDERATION

Julia YASKOVA (Ms.), Head, Department of Vegetables, Fruit and Berry crops and Ornamental plants, States Commission of the Russian Federation for Selection Achievements Test and Protection, Moscow
(e-mail: julia.yaskova@yandex.ru)

Tatiana FEDOSOVA (Ms.), Chief Agronomist, Department of Vegetable, Fruit and Berry Crops and Ornamental Plants, State Commission of the Russian Federation for Selection Achievements Test and Protection, Moscow
(e-mail: plod@gossortrf.ru)

SERBIA

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

SOUTH AFRICA

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

Lynette CROUKAMP (Ms.), Examiner, Division of Variety Control, Directorate: Genetic Resources, National Department of Agriculture, Land Reform & Rural Development, Pretoria
(e-mail: Lynettecroukamp@gmail.com)

Adriaan Jakobus DE VILLIERS (Mr.), Scientist (production), Division of Variety Control, Directorate: Genetic Resources, Department of Agriculture, Land Reform & Rural Development, Pretoria
(e-mail: riaandevill@gmail.com)

Mashudu Thomas MAFENYA (Mr.), Scientist Production, Directorate: Genetic Resources, Variety Control, Department of Agriculture, Land reform and Rural Development, Olifantsfontein
(e-mail: MafenyaM@Dalrrd.gov.za)

Maboki Jermy LEBOGANG PHALA (Ms.), Scientist Production, Department of Agriculture, Land Reform and Rural Development, Pretoria
(e-mail: LebogangP@dalrrd.gov.za)

TÜRKIYE

Ilknur YEL (Ms.), Researcher / Agricultural Genetic Engineer, Ataturk Horticultural Central Research Institute, Yalova
(e-mail: ilknur.yel@outlook.com)

UKRAINE

Nataliya KOSTENKO (Ms.), Senior Researcher, Ukrainian Institute for plant variety examination (UIPVE), Kyiv
(e-mail: kostenko_np@ukr.net)

Nadiia LYNCHAK (Ms.), Senior Researcher, Ukrainian Institute for Plant Variety Examination, Kyiv
(e-mail: lynchaknadin@gmail.com)

Valentyna MATUS (Ms.), Expert DUS test, Ukrainian Institute for Plant Variety Examination, Kyiv
(e-mail: matysv@ukr.net)

Svitlana LIKAR (Ms.), Expert, Development section of DUS Test Department, Kyiv
(e-mail: luzenko4991@ukr.net)

UNITED KINGDOM

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

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

UNITED STATES OF AMERICA

Kaylee LEWIS (Ms.), Plant Variety Examiner, United States Plant Variety Protection Office, USDA, AMS, S&T Program, Washington D.C.
(e-mail: kaylee.lewis@usda.gov)

VIET NAM

Thi Thuy Hang TRAN (Ms.), Officer, Plant Variety Protection Office (PVPO), Ministry of Agriculture and Rural Development (MARD)
(e-mail: tranhang.mard.vn@gmail.com)

II. OBSERVERS

SURINAME

Rinette Ngatinem SOEROPAWIRO (Ms.), Head Seed-Unit Division, Chair of the National Seed Board, Sub Directorate Agri-Health, Ministry of Agriculture, Animal Husbandry and Fisheries, Paramaribo
(e-mail: rinettesoeropawiro.lvv@gmail.com)

Somiera WEEWEE (Ms.), Ministry of Agriculture, Animal Husbandry and Fisheries, Paramaribo
(e-mail: zaadunit.lvv@gmail.com)

Jerry TJOE AWIE (Mr.), Ministry of Agriculture, Animal Husbandry and Fisheries, Nickerie
(e-mail: jerrytjoeawie@aol.com)

THAILAND

Sakon WANASETHI (Mr.), Minister Counsellor, Permanent Mission of Thailand to the WTO, Geneva
(e-mail: sakon@thaiwto.com)

III. ORGANIZATIONS

CROPLIFE INTERNATIONAL

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

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

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

IV. OFFICERS

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

V. OFFICE OF UPOV

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

Martin EKVAD (Mr.), Director of Legal Affairs

Yoshiro NISHIMURA (Mr.), Technical/Regional Officer (Asia)

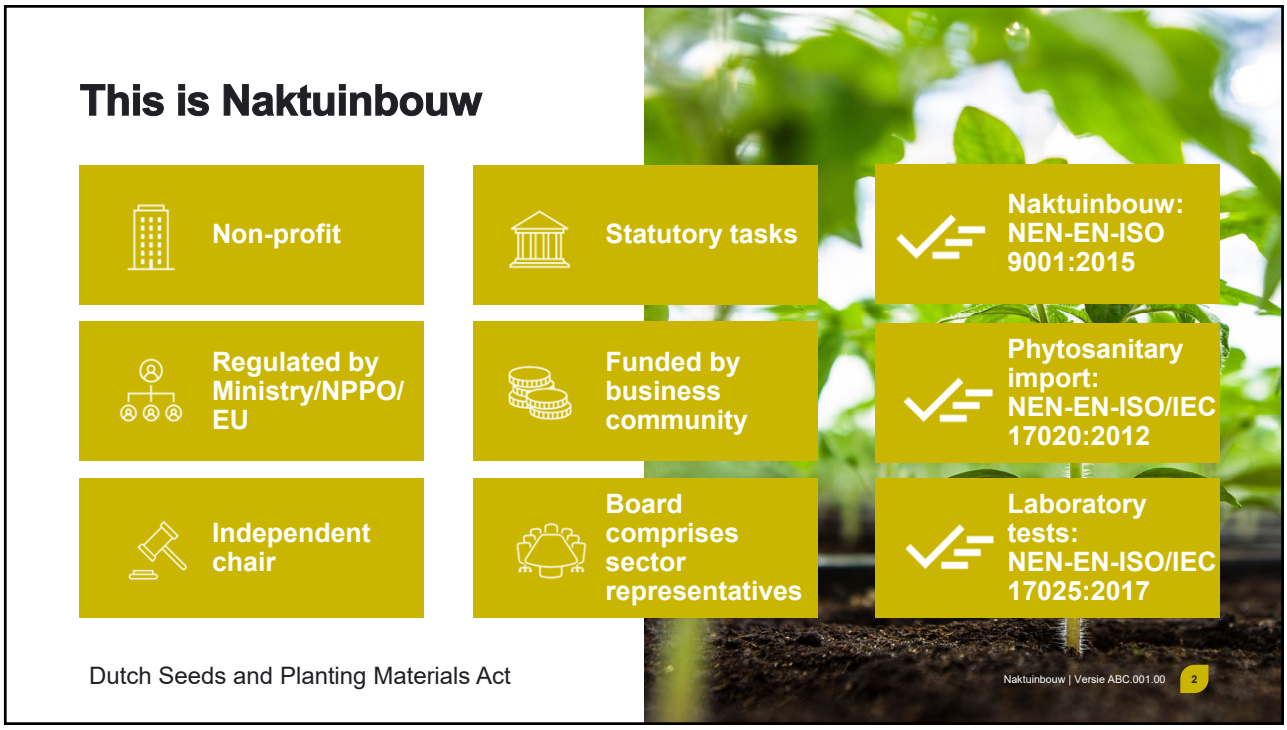
Romy OERTEL (Ms.), Associate Technical Officer

Matilda FRIMPONG (Ms.). Associate Communications Officer

Jessica MAY (Ms.), Training and Cooperation Assistant

[Annex II follows]


nak tuinbouw
TWO 2025
Welcome at
Naktuinbouw
Raoul Haegens
09 April 2025
nak tuinbouw
22
Naktuinbouw | Versie ABC.001.00
1


This is Naktuinbouw
Non-profit
Statutory tasks
Naktuinbouw: NEN-EN-ISO 9001:2015
Regulated by Ministry/NPPO/ EU
Funded by business community
Phytosanitary import: NEN-EN-ISO/IEC 17020:2012
Independent chair
Board comprises sector representatives
Laboratory tests: NEN-EN-ISO/IEC 17025:2017
Dutch Seeds and Planting Materials Act
Naktuinbouw | Versie ABC.001.00
2

This is Naktuinbouw

- 3.800 registered companies
- Plant varieties/identity, inspections, tests
- 365 employees
- Revenue: € 40 million

Field of activities

Naktuinbouw | Versie ABC.001.00 4

Activities

Market access
With NVWA, branch organisation, USA, Australia, UPOV, EPPO

Projects / training courses
G2G, PBR, PH, PRM

Research & Development
TESTA, FERA, GEVES, etc.

Plant Breeders' Rights & National List testing


Quality control
Naktuinbouw | Versie ABC.001.00
7

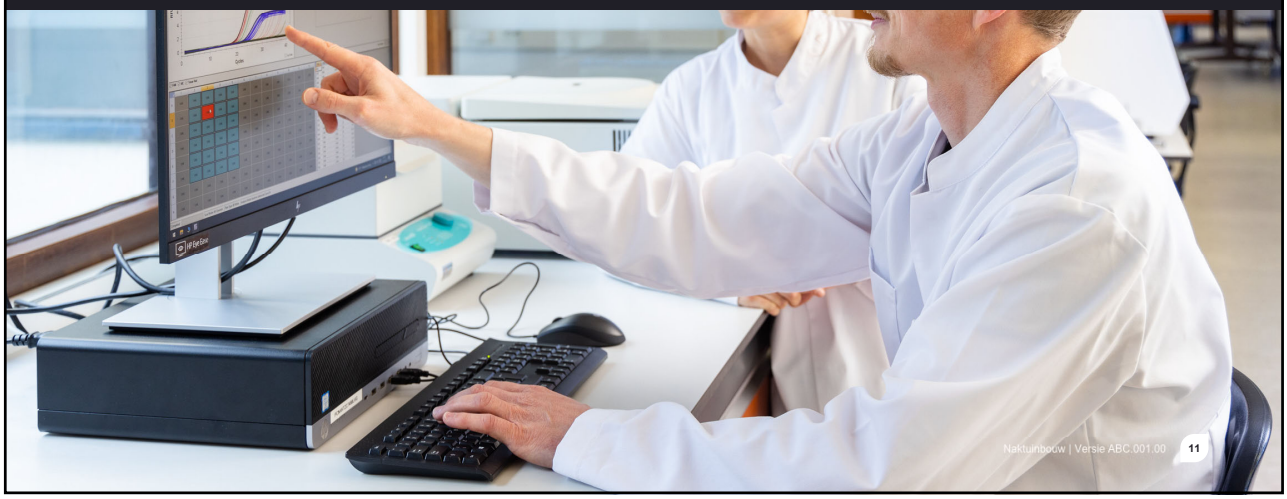
Inspection


Naktuinbouw | Versie ABC.001.00
8

Quality-plus systems

Test laboratory

Research & Development



Diagnostics

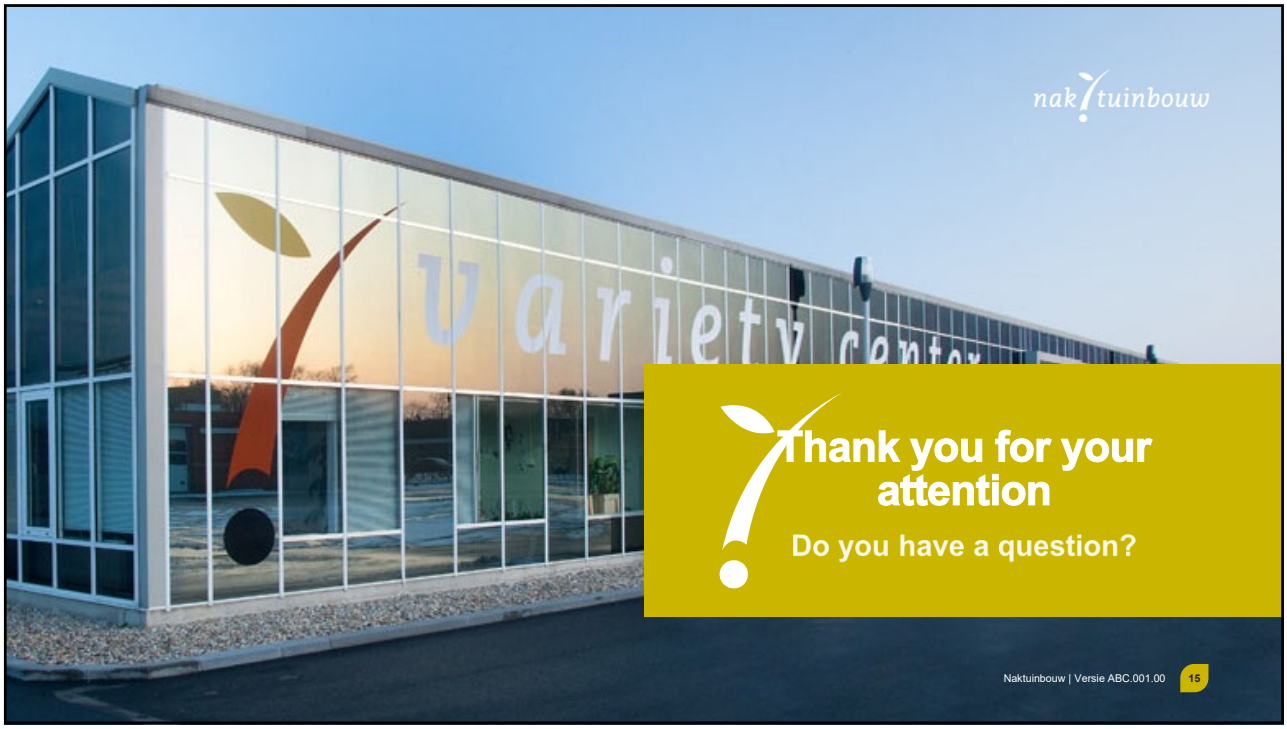
Sharing knowledge

Contacts

Customers:
quality-plus systems, registration, laboratories

Regulations/protocols:
ISTA, EU, UPOV, EPPO

Operational contacts:
ESCAA, DUS stations, bilateral



nak tuinbouw

Follow us
@naktuinbouw
on our socials!

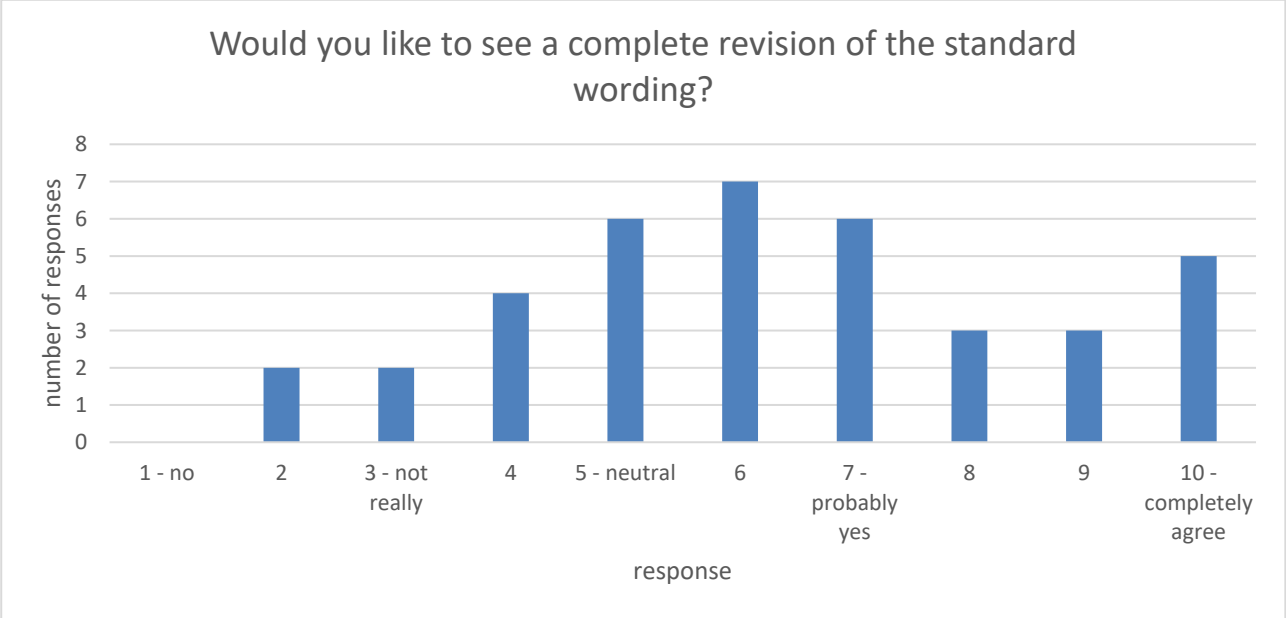
[Annex III follows]

ANNEX III

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:

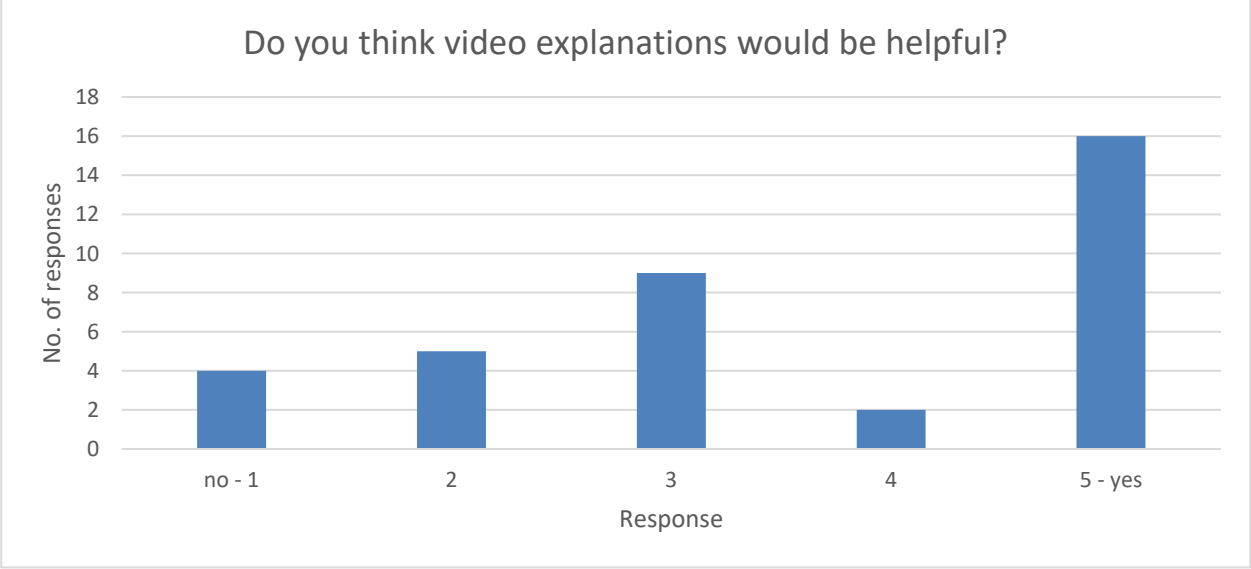


The group recognised the technical nature of the language used in the standard wording and agreed that it was important that any simplification of wording does not lose the important information.

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

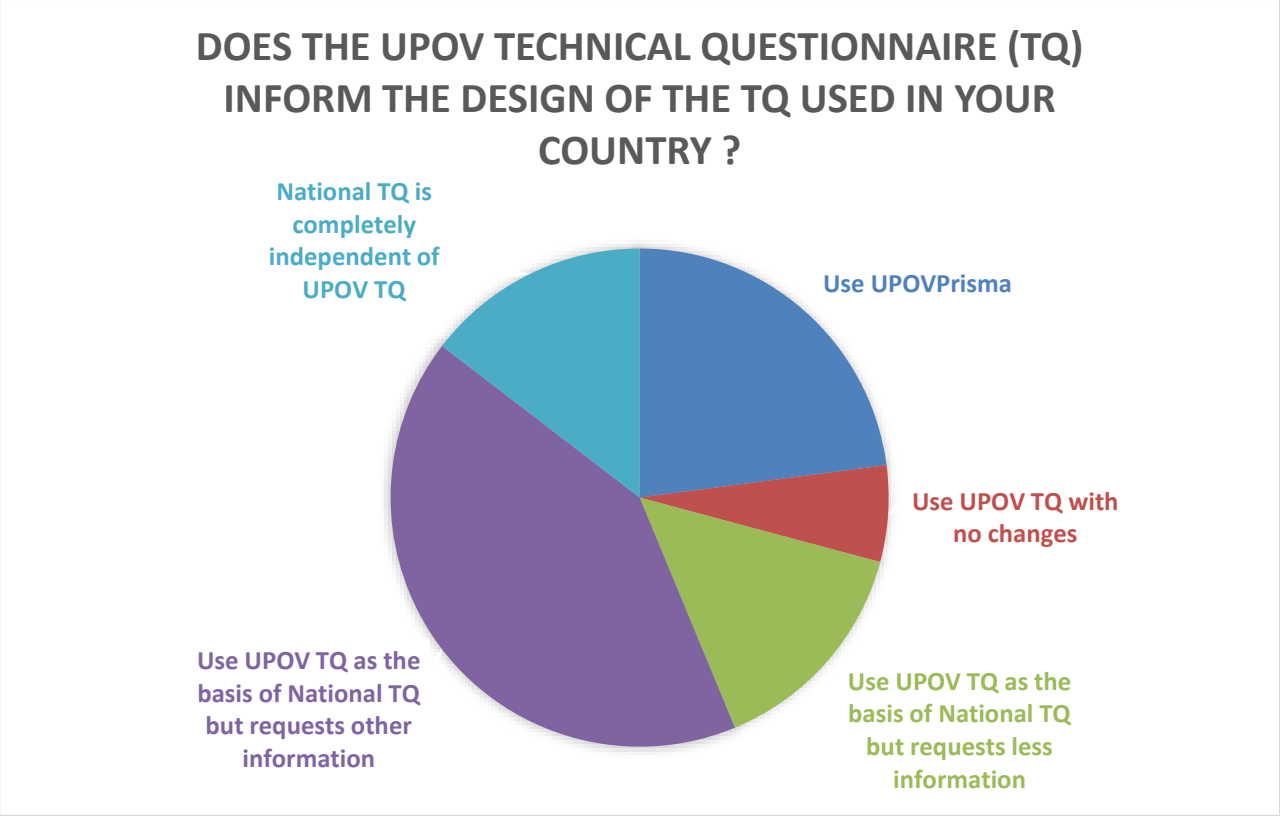
Of the 36 responses to the questionnaire, 28 said that they do print the Test Guidelines. Of those who print, half said they only print part(s) of the document, with the table of characteristics (section 7) and associated explanations (section 8) being the most printed section of the Test Guidelines.

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]

ANNEX IV

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

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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):**

CODE	ENGLISH	FRANÇAIS	DEUTSCH	ESPAÑOL	LATIN
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]

INTRODUCTION BKD

Visit of The International Union for the Protection of New Varieties of Plants (UPOV)

April 2nd 2025

BKD

Agenda

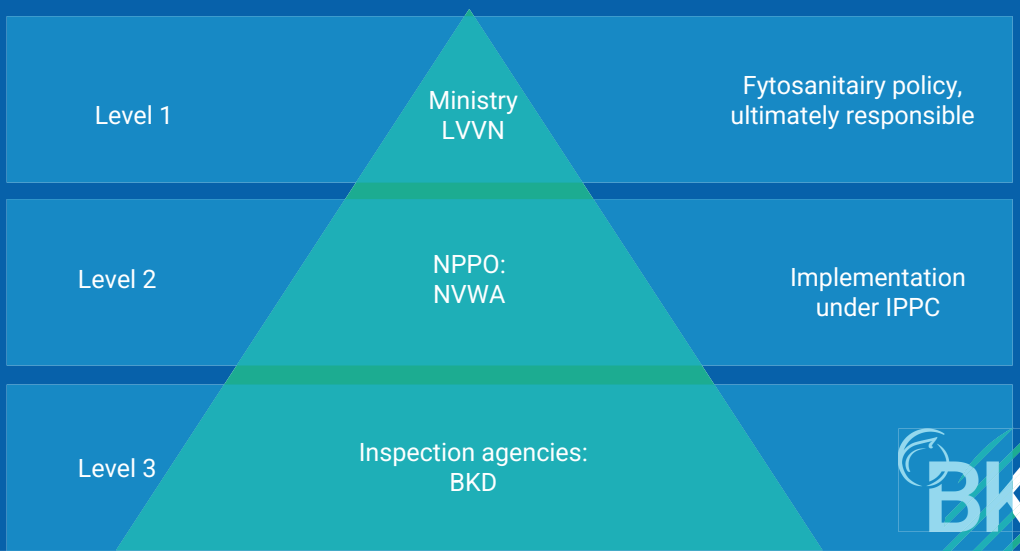
1. BKD organisation
2. BKD in numbers
3. The flower bulb sector in numbers
4. The inspection system

BKD

BKD organisation

BKD supports market access by inspecting flower bulbs up to a leading level of quality and provides national and international guarantees for the quality of flower bulbs.

Dutch fytosanitairy system



BKD

BKD is a foundation with 100 employees

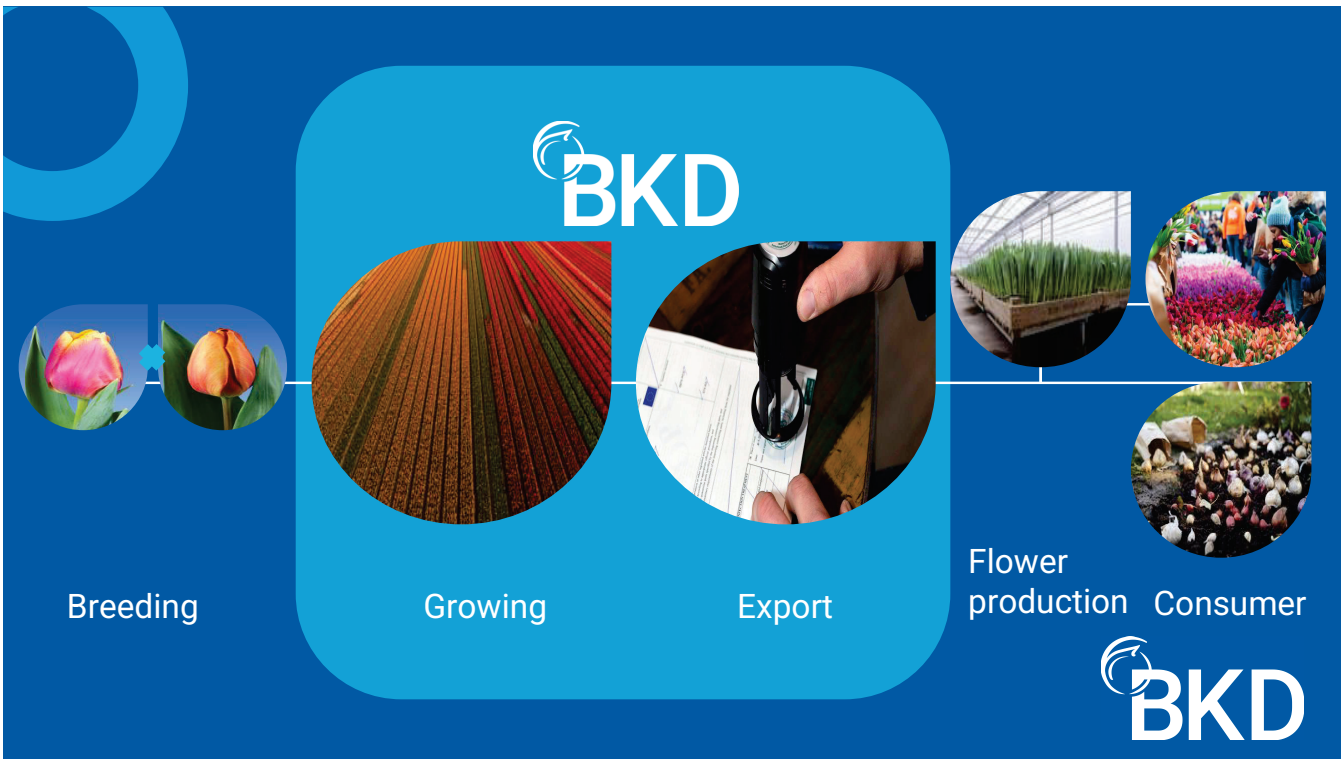
Working under the responsibility of the ministry of LVVN

Audits by the NVWA

ISO 17025 17020 COMPLIANT

ISO 17020 & ISO 17025 accredited

BKD


BKD
Breeding
Growing
Export
Flower production
Consumer
BKD


Registration of all growing or trading bussinesses
Registration of fields and lots
Inspection of fields and lots
Certification: certificate per lot with unique certificate number
Export-inspections at the exporter
BKD

NUMBERS 2024

1.116
Businesses registered with BKD

48.700
Lots inspected on the field

7.500
Visits for export inspection

30.800
Samples tested in the laboratory

PCR 21%
ELISA 79%

3.600
Lots inspected in our BKD test greenhouses or garden

430
Visits for import inspection

TOTAL REVENUE
€ 12.000.000,-

177 employees
102,5 fte
Of which 100 in permanent employment on december 31st 2024

Field service 40.61
Office 34.63
Laboratory 27.27

2,5%
Sick leave

Short 37%
Extra long 38.6%
Medium long 20.5%
Long 3.9%

13,2
Average number years of service

40
30
20
10
0
Less than 5 years
5 - 15 years
15 - 25 years
25 - 35 years
35 years or more

10 cases
Submitted to the disciplinary court

of which

10 cases
Settled with a chairman's decision, 0 settled during a hearing

Sector in numbers

1. 950 growers
2. Production: 23.700 hectare
   a. 13.000 hectare Tulip
   b. 5.200 hectare Lily
3. 166 exporters, trading all over the world
4. Bulbs for:
   a. Dry sale
   b. Flower production
5. Export value over 1 billion

[Annex VI follows]

UPOV TWO bulb field day

Saskia Bodegom

Postbus 175 - 2180 AD Hillegom | Weeresteinstraat 10a
T +31 (0)252 536 950 | F +31 (0)252 536 951 | E kavb@kavb.nl | I www.kavb.nl

KAVB founded 1860

- Main task organising floral exhibtions

Royal General Bulbgrowers' Association

Koninklijke Algemeene Vereeniging voor Bloembollencultuur

- Professional growers
- Trade
- Breeding
- Intermediates, auctions etc.

Cultivar registration

- ISHS
- ICRA/NCRA
- DUS
- Trial Garden

What is registration?

- Fix a name to an identity
- Part of this proces is DUS testing (distinction, uniformity and stability)
- Description
- Accepted (preferably unique) name
- First step towards quality

KAVB ICRA and NCRA

- ICRA for most bulbous crops
- NCRA for Dahlia, Gladiolus, Lilium and Narcissus working closely together with the ICRA RHS and NAGC

ISHS
International Society for Horticultural Science

- World-Wide Horticultural Network: independent organisation of horticulturists acting as a globally recognized and sought-after platform for research, science-based information exchange and collaboration in support of sustainable innovation in horticulture, under umbrella of United Nations.

- The ICRA system is in effect the horticultural world's attempt at self-policing of nomenclature and is truly international in its scope.

Different scopes

- PBR: protection variety
  return on investment
  novelty
  limited area
  limited period
- ICRA: organisation market
  all varieties
  global
  indefinite period

Overlap PBR and ICRA

- Denomination
- DUS testing
- Identifying

Coverage (figures from 2013)

- 40% bulbs PBR and ICRA

  Most of Lilium, Alstroemeria, Freesia and Zantedeschia
- 60% bulbs only ICRA

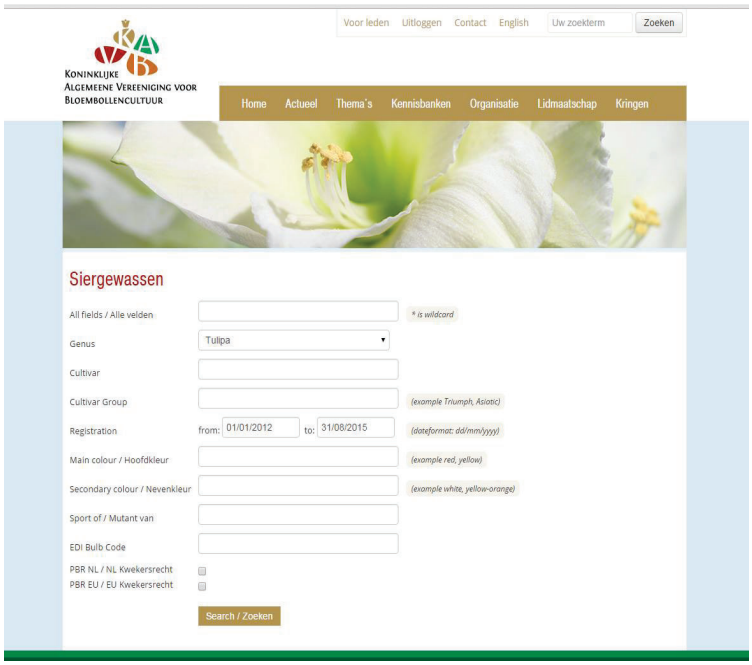
  Most of Narcissus, Crocus and Colchicum

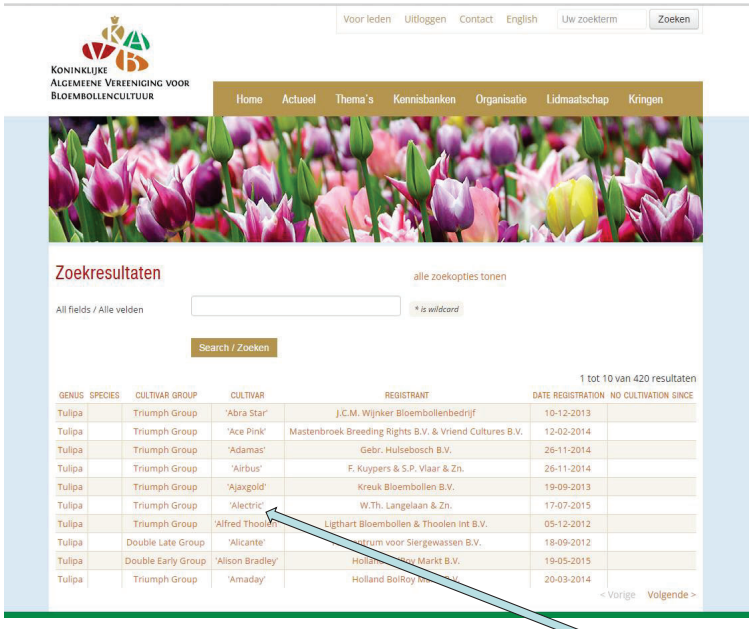
Checking proposed cultivar names

- Checking availability name on request
- Application + photo + name
- Checks (Code, Cultivar registers, Plant Patent, trademarks)
- Request to CPVO / RHS and NAGC
- Reservation name with KAVB / RHS / NAGC for one year

Database with:

- Cultivar name
- Description
- Picture
- Information about PBR
- Registrant
- Raiser
- Edibulbcode


Voor leden
Uitloggen
Contact
English
Uw zoekterm
Zoeken
Koninklijke
Algemeene Vereeniging voor
Bloembollencultuur
Home
Actueel
Thema's
Kennisbanken
Organisatie
Lidmaatschap
Kringen
Siergewassen
All fields / Alle velden
* is wildcard
Genus
Tulipa
Cultivar
Cultivar Group
(example Triumph, Asiatic)
Registration
from: 01/01/2012
to: 31/08/2015
(dateformat: dd/mm/yyyy)
Main colour / Hoofdkleur
(example red, yellow)
Secondary colour / Nevenkleur
(example white, yellow-orange)
Sport of / Mutant van
EDI Bulb Code
PBR NL / NL Kwekersrecht
PBR EU / EU Kwekersrecht
Search / Zoeken


Voor leden
Uitloggen
Contact
English
Uw zoekterm
Zoeken
Koninklijke
Algemeene Vereeniging voor
Bloembollencultuur
Home
Actueel
Thema's
Kennisbanken
Organisatie
Lidmaatschap
Kringen
Zoekresultaten
alle zoekopties tonen
All fields / Alle velden
* is wildcard
Search / Zoeken
1 tot 10 van 420 resultaten
GENUS SPECIES CULTIVAR GROUP CULTIVAR REGISTRANT DATE REGISTRATION NO CULTIVATION SINCE
Tulipa Triumph Group 'Abra Star' J.C.M. Wijnker Bloembollenbedrijf 10-12-2013
Tulipa Triumph Group 'Ace Pink' Mastenbroek Breeding Rights B.V. & Vriend Cultures B.V. 12-02-2014
Tulipa Triumph Group 'Adamas' Gebr. Hulsebosch B.V. 26-11-2014
Tulipa Triumph Group 'Airbus' F. Kuypers & S.P. Vlaar & Zn. 26-11-2014
Tulipa Triumph Group 'Ajaxgold' Kreuk Bloembollen B.V. 19-09-2013
Tulipa Triumph Group 'Alectric' W.Th. Langelaan & Zn. 17-07-2015
Tulipa Triumph Group 'Alfred Thoolen' Ligthart Bloembollen & Thoolen Int B.V. 05-12-2012
Tulipa Double Late Group 'Alicante' trum voor Siergewassen B.V. 18-09-2012
Tulipa Double Early Group 'Alison Bradley' Markt B.V. 19-05-2015
Tulipa Triumph Group 'Amaday' Holland BolRoy 20-03-2014
< Vorige
Volgende >

Detail

Naar het overzicht

Primary | Colours | Specifications | Other | PBR Netherlands | PBR European Union | Image

Prefix G		Cultivar Group	**Triumph Group**
Genus	**Tulipa**	Cultivar	**'Alectric'**
Author G	L.	Trade Name	
Family	**Liliaceae**	Synonyms	
Author F	Juss.	Common Name	
Species with subspecies etc.		Named after	
Prefix SVF			
Author SVF			

Description	
Beschrijving	Samenvatting kleur: wit 155C, donker paarsrood 60B gerand. Binnenzijde: bodem binnenste bl.bl. wit (groot). Binnenste bl.bl. donker roserood 53C/paarsrood N57A, distaal puntje wit 155D. Helmdraden wit. Stuifmeel geel. Buitenzijde: buitenste bl.bl. wit 155C, vanaf 1/3 naar randen (m.u.v.t. top) overgaand in donker paarsrood 60B, over witte gedeelte enkele fijne streepjes lichtgeel 5D, en distaal streepje lichtgroen 144C. Binnenste bl.bl. donker roserood 53C/paarsrood N57A, over middennerf wit 155A streepje, basale 1/3 wit 155C. Steel groen met basaal licht anthocyaan. Blad groen. Bloemlengte circa 7,5 cm.

Detail

Naar het ove

Primary | Colours | Specifications | Other | PBR Netherlands | PBR European Union | Image

Flower Primary Colour		Flower Secondary Colour	
RHS	**155C**	RHS	**060B**
UPOV	**white**	UPOV	**dark purple-red**
NDS1	**wit**	NDS1	**donker paarsrood**
NDS2	**wit**	NDS2	**donkerrood**
NDS3	**wit**	NDS3	**rood**
Variegation of Colour Flower	**gerand**		

Detail

Naar het overzicht

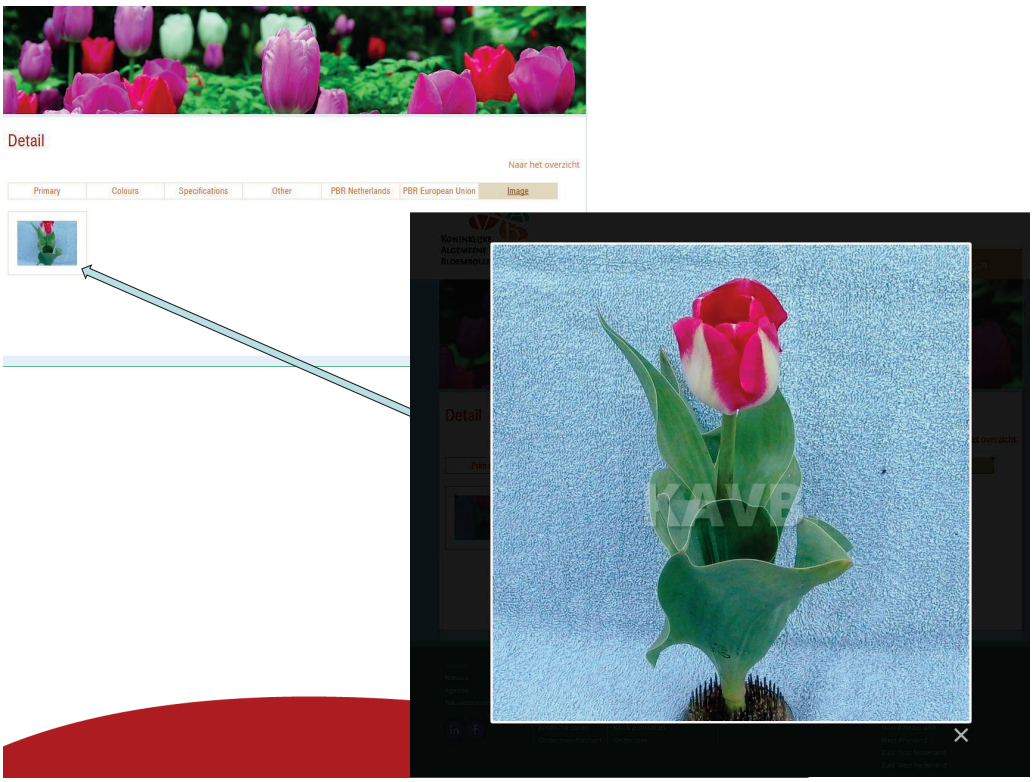
Primary | Colours | Specifications | Other | PBR Netherlands | PBR European Union | Image

Flowering Time		Relative Flowering Time	
Flowering Months		Fragrance of Flower	
Type of Flowers		Height of Plant	**30 cm**
Diameter of Flower	**mm**	Chromosomes 2n=	
Sports of	**'Page Polka'**		
Geography			
Sports			

Detail

Primary | Colours | Specifications | Other | PBR Netherlands | PBR European Union

Introducer Name		Awards	
City		EDI Bulb Code	**85092**
Country		NAGC Code	
Date/Period introduction		Throckmorton Code	
Registrant Name	**W.Th. Langelaan & Zn.**		
City	**Julianadorp**		
Country			
Date registration	**17-07-2015**		
No cultivation since			
Raiser Name	**Wim Langelaan**		
City	**Julianadorp**		
Country			
Period Hybridisation			



Saskia Bodegom
Taxonomist
KAVB
A Weeresteinstraat 10a, 2181 GA Hillegom
P P.O. Box 175, 2180 AD HILLEGOM
T 0252-536955
https://www.kavb.nl/english/registration
Database: https://www.kavb.nl/siergewassen
Publications: https://www.kavb.nl/databases/kavb-publicaties

[Annex VII follows]

ANNEX VII

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]
*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

[2] for name of experts, see List of Participants.

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]