



TWO/39/12

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND
FOREST TREES**

Thirty-Ninth Session

Fortaleza, Ceará State, Brazil, August 28 to September 1, 2006

REPORT

prepared by the Office of the Union

Opening of the session

- 1.* The Technical Working Party for Ornamental Plants and Forest Trees (TWO) held its thirty-ninth session in Fortaleza, Ceará State, Brazil, from August 28 to September 1, 2006. The list of participants is reproduced in Annex I to this report.
- 2.* The TWO was welcomed by Mr. Helinton José Rocha, Director, Intellectual Property Department and Agricultural Technology, Minister of Agriculture, Livestock and Supply. A copy of his speech is reproduced in Annex II to this document.
- 3.* Mrs. Daniela de Moraes Aviani, Chief, National Plant Variety Protection Service (SNPC), Ministry of Agriculture, Livestock and Supply, presented a report on plant breeders' rights in Brazil. A copy of her report is reproduced in Annex III to this report.

Adoption of the agenda

- 4.* The TWO adopted the revised agenda as reproduced in document TWO/39/1 Rev.

* Asterisked paragraphs are from document TWO/39/11, Report on the Conclusions, adopted by the Technical Working Party for Ornamental Plants and Forest Trees

Short reports on developments in plant variety protection*(a) Reports from members and observers*

5.* The TWO received oral reports from the participants on developments in plant variety protection in their respective countries and organizations.

6. Experts from Australia reported that the Australian plant breeder's rights office had been moved to IP Australia, which was responsible for all matters related to intellectual property in Australia.

7. Experts from Canada reported that since January 2005, 1,060 applications for plant breeders' rights had been filed in that country, of which 799 were for ornamental varieties. 1,143 ornamental varieties were protected in Canada, representing 72% of all protected varieties. They reported that the Canadian PBR Journal was only available on-line via the Internet.

8. Experts from China reported that, in their country, two governmental agencies were responsible for granting plant breeders' rights, the Ministry of Agriculture and the State Forestry Administration. They reported that the State Forestry Administration was responsible for processing applications for ornamental varieties.

9. The expert from Denmark reported an average of 100 ornamental applications a year and explained that most of the work in DUS examination in Denmark was on behalf of other authorities, in particular the Community Plant Variety Office (CPVO). He noted that there were important breeders of Clematis, Dahlia, Kalanchoe, Osteospermum and Rose in Denmark.

10. The expert from the European Union reported that by August 24, 2006, the CPVO had received 25,800 applications covering 1,150 different botanical taxa and that 12,500 plant breeders' rights were in force. He explained that during the previous 12 months the CPVO had received 2,843 applications which was a 4.6% increase compared to the previous 12 months. However for the particular case of ornamental species he reported a decrease of 10% for the same period, with 168 applications filed for Rose varieties, 160 for Chrysanthemum, 84 for Pelargonium, 66 for Gerbera, 64 for Impatiens New-Guinea and 64 for Lily. He added that, since the last TWO session, three new inventories for 68 new species had been made, of which 59 were ornamental ones. He reported that the CPVO had organized a seminar on the enforcement of plant breeders' rights in Brussels in May 2006 and that another one was planned for January 2007 in Madrid. He also reported that discussions were taking place within the CPVO in respect of DUS testing in the enlarged European Union. He explained that the CPVO was undertaking eight research projects, including the possibility of using electrophoresis for DUS examination of calluna varieties and the construction of a database for rose varieties containing variety descriptions, photographs and DNA profiles for the European Union. He also reported that the CPVO centralized database for variety denominations had been available on-line since July 2005 and contained more than 400,000 entries. He reported that more than 1,000 DUS tests were carried out every month for the purposes of plant variety listing and plant breeders' rights in the European Union.

11. The expert from France informed the TWO that GEVES concentrated its DUS activities on shrubs, perennial and seed propagated ornamental and forest species and that for CPVO it mainly tested *Lavandula* (12 applications a year) and hortensie (20 applications a year). For the

other species, the number of DUS tests was less than 5 per year. He also explained that breeders' facilities were used for national DUS tests of minor species.

12. The expert from Germany reported that an average of 750 DUS examinations was carried out in Germany each year, on approximately 60 different ornamental species. She added that 75% were examinations on behalf of the CPVO, 10% related to national applications and the remainder related to other applications. She reported that the most important species in number of applications was Rose, with 100 examinations a year, and Kalanchoe, with 70 examinations a year, and that there were examinations for two or three new species each year.

13. The expert from Italy reported that the number of applications for plant breeders' rights in that country had been decreasing noticeably over recent years and, for ornamental varieties, applications were filed almost exclusively for varieties of gladiolus.

14. The expert from Japan reported that an agreement for cooperation in DUS examination between the Seeds and Seedlings Division (SSD) of the Ministry of Agriculture, Forestry and Fisheries (MAFF) and the CPVO was under preparation. He reported that, in 2005, 1,385 applications had been filed in the SSD, 85% of which were for ornamental varieties. The SSD had conducted DUS examinations for 613 applications, of which 0.8% were varieties of agricultural crops, 5.5% vegetable varieties and 94.4% ornamental varieties. He added that the staff of the SSD would be increased during 2006. He informed the TWO that Japan would host a workshop on the enforcement on plant breeder's rights in November 2006.

15. The expert from Kenya reported that 787 applications had been filed since the beginning of the system, most of which were for ornamental varieties from France, Germany and the Netherlands. DUS reports had been received from the CPVO, France, Germany and Israel. He also reported that in 2006, 200 plant breeders' rights had been granted and that Kenya was planning to host a regional workshop on plant breeders' rights in conjunction with the forty-first session of the Technical Working Party for Vegetables (TWV) in 2007.

16. The expert from Mexico reported that the plant breeder's right system in that country had started ten years previously. It provided protection for varieties of any plant genera and species and the DUS examination was a breeder-based testing system. He reported that 80% of the applications were for ornamental varieties of which 18% were for rose varieties, however applications for local species, such as *Amaranth*, *Agave*, *Opuntia* and *Tagetes* had also been filed.

17. Experts from the Netherlands reported that 75% of the applications filed in that country were for ornamental varieties. They reported that they cooperated with several other countries and the CPVO in DUS examinations. They noted that there was a new trend to protect ornamental trees. The TWO was informed that there were some court cases for plant breeders' rights, but none of those involved infringements of rights. The experts reported the move of DUS testing to the station in Naktuinbouw which, from January 1, 2006, became responsible for DUS examination for plant breeders' rights and national listings.

18. The expert from Poland reported that a new seed law had entered into force on July 2, 2006, and that provisions for farmer's privilege had been modified in the plant breeder's right law. She also reported a decrease in national applications since Poland's entry into the European Union. The number of protected varieties in Poland up to May 2006 was 1,619; 647 of those were agricultural crop varieties, 283 vegetable varieties, 579 ornamental varieties of which 24% were locally-bred varieties, 109 fruit and berries and other crops. She added that,

despite the decrease in the total number of applications, the number of fruit trees and shrubs was increasing.

19. The expert from the Republic of Korea reported that 2,688 applications had been filed since the system started in 1998 and that 1,821 titles had been granted. He also reported that 533 applications had been filed in 2005, of which 70% were for ornamental varieties. The TWO was informed that the Republic of Korea was developing a project with Japan to enhance cooperation for DUS examination in the Asian region. The expert reported that in November 2006 the Republic of Korea would host the tenth session of the BMT and an international symposium on the use of molecular markers.

20. Experts from South Africa reported that 218 applications for plant breeders' rights had been filed during 2005. 50% of those applications were for ornamental varieties, of which 80% were filed by foreign breeders.

21. The expert from the United Kingdom reported that approximately 500 DUS examinations on ornamental varieties were carried out each year in her country. She also reported plans for the redevelopment of NIAB facilities.

22. The expert from the International Community of Breeders of Asexually Reproduced Ornamental and Fruit-Tree Varieties (CIOPORA) reported that CIOPORA welcomed the expansion of the coverage of the 1991 Act of the UPOV Convention every year, which she considered very helpful in the enforcement of the plant breeder's right. She also reported that its members worked on 200 different species and filed an average of 500 applications for plant breeders' rights a year.

(b) Reports on developments within UPOV

23.* The TWO received an oral report from the Office of the Union on the latest developments within UPOV.

Molecular techniques

(a) Developments in UPOV concerning the use of molecular techniques

24.* The TWO considered document TWO/37/2.

(b) Ad hoc Crop Subgroups

25.* The TWO received an oral report on development concerning the *Ad hoc* crop subgroups for molecular techniques. It noted the extension of the Crop Subgroup for Wheat to cover both wheat and barley and the establishment of a crop subgroup for vegetatively propagated crops.

TGP documents

(a) *TGP documents to which the Technical Committee has given highest priority:*

TGP/4 Constitution and Management of Variety Collections

26.* The TWO discussed document TGP/4/1 Draft 7 and agreed to propose the following:

1.3	Step 2 seems to be very complicated when, in practice, it is not. To make it clear that this step involves information in principle.
2.1.1.2	It is not clear to what plant experts the last sentence refers to (DUS experts, other crop experts?)
2.2.2.2	i) to delete “widely”: if it is traded it should be considered.
3 Title	To keep the word “management” in the title.

TGP/9 Examining Distinctness

27.* The TWO discussed document TGP/9/1 Draft 7 and agreed to propose the following:

2.3 Title	The TWO agreed with the proposal made by the TWF to reword the title as follows: “2.3 Grouping of varieties on the basis of grouping characteristics”. The TWO also noted that there maybe different criteria for the grouping of varieties (e.g. by breeder, year of breeding, etc.), therefore it was considered important to clarify that, for DUS examination, grouping characteristics should be the basis for grouping.
2.3.3.2	The TWO supported the wording “less likely to be”, which did not require any further clarification.
2.3.3.3	The TWO supported the present text and considered that further clarification was not necessary
2.3.4	The TWO agreed with the TWF, which considered that the expression “combining grouping characteristics” should be changed to make clear that it refers to the use of more than one grouping characteristic and not to the creation of combined characteristics. To check throughout the document for the use of the terms “combining characteristics” or “combination of characteristics” and to reword them as necessary.
2.4.2	The TWO considered that all of Section 2.4 concerned the use of photographs for selecting varieties for the growing trial and not for the rejection of applications. Therefore, it considered that the paragraph should be reworded accordingly.
2.6	The TWO considered that the section focussed too much on GAIA and should be made more general. Furthermore, it considered that GAIA should be placed in an annex, whilst retaining the notion of “Distinctness plus” in the general section.

5.2 General	The TWO recognized that the section listed the three approaches which were explained in the following sections, however it considered that subparagraph (a), (b) and (c) could be expanded in order to provide more clarity
5.2.2	The TWO considered that Section 5.2.2 did not cover the particular situation of DUS testing in ornamentals; in which varieties might not be grown directly side-by-side, but close enough to assess distinctness by a direct visual observation (e.g. the candidate variety and the reference varieties are together in a greenhouse). Furthermore, paragraph 5.2.2.5 stated that side-by-side comparison was not necessary for QL characteristics: the TWO observed that, in DUS testing of ornamental varieties, it was not possible to know in advance on what characteristic the candidate variety would be considered distinct from another variety of common knowledge. Therefore, taking into account the particular features of DUS testing in ornamental varieties mentioned above, it was possible to declare a variety to be distinct on a side-by-side approach using QL characteristics.
5.2.2.1	The TWO agreed with the proposal of the TWA: subparagraph (b) to read: “Assessment by Notes / single variety records (“Notes”): the assessment of distinctness is based on the recorded state of expression of the characteristics of the variety”.
5.2.3.14	To retain the highlighted sentence.
5.4.2 Title	The TWO considered that the use of the term “combined” might be misleading in relation to “combined characteristics” and proposed that another term should be used.
6.5	To delete “panel of”.

TGP/10 Examining Uniformity

28.* The TWO discussed document TGP/10/1 Draft 4 and agreed to propose the following:

4.2 General	<p>To check the use of the term “atypical” for consistency throughout the section.</p> <p>To restructure the section on the basis of plants which should not be considered as off-types (Section 4.2.3) and plants which should be considered as off-types (Sections 4.2.4 and 4.2.5). The TWO considered that off-types should be those plants in which the difference from the other plants of the variety were due to genetic differences, however the TWO recognized that it was not always possible to assess this situation, and could require further investigation by the examiner.</p> <p>The TWO considered that it was not possible to clearly separate between whole plant off-types (Section 4.2.4) and plant-part off-types (Section 4.2.5): off-types are considered on a characteristic-by-characteristic basis, in the same way as for the assessment of distinctness, as presented in Section 4.2.2. The TWO proposed that, when restructuring the section, special attention should be given to the situation presented in paragraph 4.2.5.3.</p> <p>To incorporate recommendations in respect to the number of plants, as requested in document TWO/39/9</p>
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	The TWO noted that the section required further development and, therefore, proposed that it should be considered by the TWPs next year.
4.2.1	To delete subparagraphs (a) and (b): they are not necessary.
4.2.2.1	The last sentence is out of context in Section 4.2.2: to be moved to Section 2.6
4.2.2.2	In ornamental species, applications for varieties of new species are very common and the requirement of a good level of experience in a particular new species is not always possible: to delete or reword the sentence.
4.2.3	The list should be presented in a non-restrictive way. To read “The cause of an observed atypical expression may not be the result of genetic expression but as a result of an external factor. It is important to differentiate between genetic causes of atypical expression and external causes of atypical expression such as environment, damage and cultural practice. Examples of external factors which may cause atypical expression include: (a) – (e).”
4.2.4	To have the title “Guidance for determining off-types” after merging Sections 4.2.4 and 4.2.5.
4.2.4.2	To be deleted.
4.2.4.3	The quotation from the General Introduction should be moved to the section concerning plants which should not be considered to be off-types (the present Section 4.2.3). The TWO noted that, in some cases, the elimination of the non off-type different plants may reduce the sample size beyond the minimum number of plants to be examined: some experts considered that in those cases the application should be rejected whilst other experts would consider the possibility of requesting another sample from the breeder.
4.2.5	Text to be condensed and to make cross-reference to TGP/11.
4.2.5.1	With respect to the two versions presented in paragraph 4.2.5.1, the TWO did not agree with version 1.
4.2.5.4	To modify the text in brackets, which the TWO noted was misleading.
4.2.6	To explain that the analysis of a further growing cycle or new plant material is related to the uniformity assessment and not to stability.
4.2.6.3	To be divided into two paragraphs; the second one starting from “Depending on the circumstances...”

29.* Experts from the Netherlands made a presentation on a particular situation for the assessment of uniformity for varieties of Phalaenopsis in which there were variations in the color and/or the pattern of spots of flowers within plants of a given variety. Discussions focused on the need to ensure the most suitable growing conditions for the variety in order to express its full variability. Concerns were raised on the scope of protection of the first variety for a given type within the species with a very broad description, which might limit the possibility for future applications of the same species.

(b) *Other TGP documents:*

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

30.* The TWO discussed document TGP/8/1 Draft 4 and agreed to propose the following:

General	The TWO considered that the document still needed to be modified to be more “crop expert” oriented and recommended that crop experts should also be involved in the drafting process for this document.
Part I General	The TWO considered that it was necessary to expand Part I to cover trial design for ornamental species.
Part II	
1.1	The TWO supported the comments of the TWF to review whether the explanation of Section 1.1.3 is appropriate in the light of the sample sizes used in the Test Guidelines and for the document to reflect the positive experience of UPOV in the existing sample sizes.

TGP/12 Special Characteristics: Section 1: Development of Characteristics based on a Response to an External Factor

31.* The TWO discussed document TGP/12 Section 1 Draft 3 and agreed to propose the following:

General	The TWO noted that the document is based upon examples and that general recommendations are provided only in Section 1. Therefore, it considered that it was necessary to expand those recommendations and to clarify that the examples are not an exclusive list of special characteristics.
3.3.2	To reword the paragraph to clarify that ‘Thompson Seedless’ refers to the fruit obtained from variety ‘Sultania’. At the moment it gives the impression that by using growth regulators it may be possible to register two varieties when in fact there is only one variety.

TGP/13 Guidance for New Types and Species

32.* The TWO discussed document TGP/13/1 Draft 6 and agreed to propose the following:

General	The TWO considered TGP/13 to be a very important guidance document and recommended that the TWO experts carefully check for new situations which should be included before the document was finalized for adoption.
	To check the paragraph numbering.
2.4.2	The TWO strongly disagreed with the proposal made by the TWA for the deletion of paragraph 2.4.2, but agreed with its rewording. The TWO considered that paragraph to be an important section of the document.

TGP/14 Section 2: Glossary of Technical, Botanical and Statistical Terms Used in UPOV Documents: Botanical Terms:

- Plant shapes (including hair types)

- 33.* The TWO discussed document TGP/14.2.1(&.2) Draft 5 and agreed to propose the following:

Part II	
General	The TWO recalled that, traditionally, ratio length/width was used and was in favor of continuing that approach, except for cases where it was not practical, e.g. where the width was larger than the length.
	The TWO requested the Office to submit to the TWO a set of shape characteristics from adopted Test Guidelines which would be used during the fortieth session as an exercise for the assessment of shape using the approach proposed for TGP/14. The TWO considered that Section 2 of TGP/14 should be redrafted to make clear that both the way of assessing shapes using botanical terms and the approach proposed by TGP/14 could be used by drafters of Test Guidelines.
2.3	To clarify that the examples are not intended to cover all possibilities in all species. In the second table of page 18 to use solid lines for the part of the shape that should be observed and dotted lines for the other parts.
2.4	To provide definitions of tip and apex for UPOV purposes.
2.5	To delete the calyx in the drawings in the table on page 21.
2.5 and 2.6	To include forms of inflorescence and the corresponding drawings in Section 3.
Part III	
2.2	Example 2, state (1) should be “upwards”.

- Color characteristics

- 34.* The TWO discussed document TGP/14.2.3.1 Draft 2 and agreed to propose the following:

Part II	
2.1.2 (e)	The second sentence to read “There are 4 editions of this color chart, dating from 1966, 1986, 1995 and 2001.” To mention other color charts.
2.2.4	To add more examples of elements that affect the observation of color, in particular green color, glossiness, hairiness.
2.4.2	It is not clear. To be reworded.

Part III	
1.4	The definitions of one-colored and self-colored to be reworded by the color subgroup.
2.2	To review the cross references between the definitions and to revise the definitions 2.2 (d) and 2.5 (a), both of which are indicated as synonyms of “maculate”.
2.5 (i)	Reticulate and tessellate are not synonyms.
2.5 (j)	“Shaded” to be incorporated into the rewording of Section 1.4
2.6	The section does not contain patterns, the heading to be changed to “Other color terminology”.
3.1	To incorporate the highlighted text and to add the darkest color. To reword the section to make clear that the general rule is that the color with the largest area is the main color, and when it is not applicable, then other criteria may apply and to make cross reference to Section 1.1 of Part II.
4.5	The TWO considered that the diagrams in this section should be included in Section 2 with their respective definitions. The TWO agreed to use the botanical terms.
Part IV	To change the title to “Index”, because this is the aim of the section.

- Color names

35.* The TWO noted the information provided in document TGP/14.2.3.2 Draft 4 without making any particular comments.

UPOV Information Databases

36.* The TWO considered document TWO/39/4. The TWO agreed that comments on the UPOV amendments to the UPOV Code provided in Parts B and C of Annex II to document TWO/39/4 should be sent to the Office of UPOV by October 31, 2006.

37.* The TWO noted that several experts had experienced problems in the use of the most recent edition of the UPOV-ROM: impossibility to read the UPOV-ROM; slower functioning of the database in respect to previous editions; and difficulties for printing, in particular problems of compatibility of the UPOV-ROM with the drivers of new printer devices. It requested the UPOV Office to check with the producer of the UPOV-ROM.

Variety denominations

38.* The TWO considered document TWO/39/5. It considered that the recommendations for variety denominations should include a possibility for a regular updating of the Annex containing the classes for variety denomination, in particular taking into account changes in botanical classifications and new species for which varieties were granted protection. The TWO noted that some cases could be resolved by updating the UPOV Code.

Project to consider the publication of variety descriptions

39. The TWO considered document TWO/39/6. The expert from Germany could not see a real value in the publication of variety descriptions and added that there was already a lot of information available from different sources, such as catalogues and the internet. The expert from the United Kingdom recalled previous discussions at the TWO which concluded that there was no need for that project in the ornamental sector. The expert from Australia noted that, in principle, the project seemed to be useful but wondered whether the effort involved in it would be worthwhile for DUS examination. The expert from Brazil considered that the publication of variety descriptions, including information received from other countries, would be useful.

40.* The TWO concluded that, taking into account the particular situation of ornamental varieties which are distributed on a worldwide basis and which are, in general, distributed all over the world, the development of a project for the publication of variety description would imply a great effort and the involvement of a lot of work without clear benefit for DUS examination of ornamental varieties. Furthermore, there was sufficient information available on the internet and in commercial catalogues, and given the reduced number of breeders in relation to other species, the identification of relevant varieties and the availability of plant material was already good enough and did not justify the development of that project. The TWO did not suggest any crop for the project.

Criteria for determining off-type plants

41.* The TWO considered document TWO/39/9. The TWO considered the document jointly with the discussions on TGP/10 “Examining Uniformity”.

Drafters’ Kit for Test Guidelines

42.* The TWO considered document TWO/39/7. The TWO did not consider that it was necessary to develop customized electronic templates for the TWO. However, it considered that it would be useful to develop a more user-friendly kit with a more streamlined template to facilitate use by crop experts. In that respect, it was noted that there were, in particular, formatting problems in Section 10 “Technical Questionnaire”.

Information on probability levels used in COY and population standards used in the assessment of uniformity by off-types

43.* The TWO did not have time to consider document TWO/39/10.

Additional characteristics

44.* The TWO took note of the information provided in document TWO/39/8 without making any particular comments.

Discussion on Draft Test Guidelines

Angelonia

45.* The subgroup discussed TG/ANGLN(proj.2), as presented by Mrs. Eddy-Costa (Australia), and agreed the following changes:

Table of Contents	To add: 8.1 Explanations covering several characteristics: 8.2 Explanations for individual characteristics
2.3	To change number of rooted cuttings from 20 to 15. To order vegetatively propagated varieties before seed propagated varieties
3.4.1	To read "Vegetatively propagated varieties: each test should be designed to result in a total of at least 15 plants"
New after 3.4.1	To add: "Seed propagated varieties: each test should be designed to result in a total of at least 30 plants"
3.5	To delete paragraph
New 3.5.1	To read "Vegetatively propagated varieties: unless otherwise indicated, all observations on single plants should be made on 15 plants or parts taken from each of 15 plants and any other observations made on all plants in the test."
New 3.5.2	To read "Seed propagated varieties: unless otherwise indicated, all observations on single plants should be made on 30 plants or parts taken from each of 30 plants and any other observations made on all plants in the test."
4.2.2	To change the number of plants from 16 to 15
4.2.3	To delete
New 4.2.3	To read "For the assessment of uniformity of seed-propagated varieties which are self-pollinated, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 20 plants, one off type is allowed."
New 4.2.4	To read "For the assessment of uniformity of seed-propagated varieties which are cross pollinated or hybrids, the recommendations in the General Introduction for cross pollinated or hybrids varieties should be followed, as appropriate."
5.3 New	To add: "Plant: growth habit" (1)
5.3 (b) Gr. 3	To change "purple" to "violet"
5.3 (c) Gr. 3	To change "purple" to "violet"
Char. 1	States to read: upright (1), spreading (2). Example varieties to read:

- “Balangdepi, Balangimla” (1), “Balangbeke, Balangbawi” (2)
- Char. 2 Example varieties to read: “Balangloud” (3), “Balangwitim” (5), “Anpink” (7)
- Char. 3 Example varieties to be added: “Cartbas Depur, Balangpurup” (7)
- Char. 4 Example varieties to read: “Balangloud” (3), “Balangwitim” (5), “Anwhit” (7)
- Char. 5 Example varieties to read”: “Balangbeke, Balangbawi” (3), “Balangdepi” (5), “Balangimpu” (7). To add an asterisk
- Char. 6 Example variety to be added: “Balangloud” (5)
- Char. 8 Example varieties to read: “Balangimla” (3), “Balangbawi” (5), “Cartbas Whit” (7)
- Char. 9 Example varieties to read: “Balangimla” (3), “Balangbawi” (5), “Cartbas Whit” (7)
- Char. 10 To delete
- New 1 To read: “Flower: reflexing of corolla lobes” with the states: absent or (after 10) weak (1), medium (2), strong (3). To add (+), (c), (d)
- Char. 11 Example varieties to read: “Balangimla” (1), “Balanglast” (9)
- Char. 16 Example varieties to read: “Anstern” (5), “Angel Mist Purple Stripe” (7)
- Char. 17 To delete
- Char. 18 To delete example varieties. To provide diagrams and add (+). To delete asterisk
- Char. 19 To delete asterisk
- Char. 20 To delete asterisk
- Chars. 21 To change order of characteristics to: 21, 24, 22, 23
- 24
- Char. 22 Example varieties to read: “Balangbawi, Cart White” (1), “Balangimpu, Balangimla” (7). To delete asterisk
- Char. 23 To delete example varieties. To provide diagrams and add (+)
- Char. 24 To have the states: yellow green (1), purple red (2), violet (3). To delete asterisk
- Char. 25 To have the states: white (1), yellow green (2), purple red (3), violet (4). To provide diagrams and add (+). To delete asterisk
- Char. 26 To delete
- Char. 27 To delete example varieties. To have the states: white (1), purple red (2), violet (3). To provide diagrams and add (+)
- 8.1(d) To shade chamber and pouch in diagram
- 8.2 To delete Ad. 10. To add Ads. New (after 10), 18, 23, 25, 27

Ad. New (after 10): Flower: reflexing of corolla lobes



1

absent or weak



2

medium



3

strong

Ad. 18: Lower lip: undulation of margin



1

absent or very weak



3

weak



5

medium



7

strong

Ad. 23 Chamber: density of markings



1

sparse



2

medium



3

dense

Ad. 25: Pouch: main color



1

white



2

yellow green



3
purple red

4
violet

Ad. 27: Nectary Bulge: main color



1
white



2
purple red



3
violet

- TQ. 5 To add characteristic 1
- TQ. 5.2 To add “Corolla lobes: number of colors on inner side (markings excluded)”
- TQ. 5.5 To amend example varieties to reflect changes in the Table of Characteristics
- TQ. 5.6 To add option for recording with the RHS Colour Chart. To have the states: white; pink; violet; other color (indicate)
- TQ. 5.7 To add option for recording with RHS Colour Chart. To have the states: white; pink; violet; other color (indicate)
- TQ. 6 To change the state of expression from “semi-upright” to “spreading”

Anubias

46.* There was no subgroup meeting for the discussion of document TG/ANUBI(proj.1). The interested experts were invited to send their comments to Mr. Thomas Tan (Singapore).

Azalea (pot) (Revision)

47.* The subgroup discussed TG/140/4(proj.2), as presented by Ms. Menne (Germany), and agreed the following changes:

- Table of contents To incorporate Chapter 8.2
- 1 To modify for evergreen azalea varieties according to the model of TG/42/6
- 2.3 To check if some varieties are grafted and not grown on their own roots
- Char.1 Note (a) to become (+), because it applies to only one characteristic.

- New before Char.1 New characteristic to read: “Plant: growth habit”, with states: upright (1), with example varieties “Rokoko, Kirin”; broad bushy (2), with example varieties “Sayonara, Party Favour”; and flat bushy (3), with example varieties “Coco, Taggi”
- Char. 4 To add (+)
- New after Char.6 To read: “Mature leaf: hairiness of upper side” with the states: absent or very weak (1); medium (2), strong (3); to have note (a) (former note (b)) and to be indicated as QN
- Char.10 To check which flower should be observed
- Char.13 State (2) to read “medium” and to check example varieties.
- New before Char.14 To read: “Corolla lobe: number of colors on inner side (markings excluded)”, with the states: one (1), two (2), more than two (3). To check the existence of state 3. To be indicated as QL
- Char.15 To read “Corolla lobe: main color of middle of inner side”, and to add (+) and an explanation.
- Char.20 To add (+) and to provide photographs in the explanation.
- Char. 22 To be indicated as PQ
- 8.1 Explanation for note (a) to became Ad. 1
- Ad. 4 To add a diagram of leaf shape
- Ad. 15 To explain that the observation of main color of middle of inner side should be made on the color with the largest surface area (markings excluded)
- Ad. 20 To provide photographs
- TQ 5 To include New characteristic: “Corolla lobes: number of colors on inner side (markings excluded)”
- TQ 5.2 To align the notes
- TQ 5.4 To read “Corolla: main color of middle of inner side” and to move the small roman number for the characteristic number to the section number
- TQ 5.4 To move the small roman number for the characteristic number to the section number

Buddleja

48.* The subgroup discussed TG/BUDDL(proj.2), as presented by Mr. Richard Brand (France), and agreed the following changes:1. To read: “... of *Buddleia* ...”

- 2.2 To delete: “... at least one year old ...”
- Char. 1 To delete
- Char. 2 To add (+); to add example variety “Pink Spreader” for state 3
- Char. 3 To have the example varieties: “Huimoon, Lochinch”
- Char. 4a To read: “Plant: persistence of foliage” with the states: deciduous (1), partly deciduous (9), and to add a (+)
- Char. 5 To add note (a); and to add the example variety “African Queen” (3)

- Char. 6 To check if it concerns only green color, and to add note (a). To delete state 1
- Char. 7 To be indicated as QL, to delete state 1 “circular”
- Char. 8 To delete
- Char. 9 To read: “Stem: density of pubescence”, to change “weak” to “sparse”, and “strong” to “dense”
- Char. 10 To delete
- Char. 11 To replace “deltoid” with “cordiform”, to add “lobed” (5), with the example variety *B. indica*
- Char. 12 To be deleted if strongly linked to shape of leaf
- Char. 14 To delete state “whitish” if no example variety provided by New Zealand. To check if the example variety: “Les Kneah” has a yellow main color, or if it is the color variegation; and “Silver Frost, Silver Anniversary” have a grey green color, or if it is the effect of pubescence. To add (+) with an explanation that the main color is the color with the largest surface
- Char. 15 To replace “whitish” with “yellowish white”. To check whether to delete because no example variety, and whether it concerns the color of the variegation more than the secondary color
- Char. 16 To delete “reddish”; to be indicated as QL, and to have “Nanhoensis” as example variety
- Char. 17 To delete
- Char. 18 To add the example variety “*B. davidii* Specles” (1). To check if state 2 or 3 for example variety “Santana”
- Char. 19 To check the states with TGP 14.2.1 Section III, 3.4 margins. To add: example variety “*B. indica*” (6)
- Char. 20 To read: “leaf blade...”
- Char. 21 To read: “leaf blade...”
- Char. 25 To delete state 1
- Char. 26 To read: “Petiole: length”. To delete states 1 and 9, to correct spelling to: “*B. colvilei*”
- Char. 27 To read “conical” in English
- Char. 29 To read “...maximum width”
- Char. 31 To delete
- Char. 32 To check if “whitish” and “greyish” are linked with pubescence. To delete state 4
- Char. 33 To be deleted
- Char. 34 State 1 to read: “absent or very weak”
- Char. 35 To delete states 1 and 9
- Char. 37 To delete
- Char. 38 To read: “Flower: attitude of corolla lobes”, with the states: erect (1), semi erect (2) and horizontal (3)
- Char. 39 To delete
- Char. 40 To have the states: all free (1), some touching (2), all touching (3)
- Char. 41 To read: “Corolla lobe: incision of margins of petals”
- Char. 42 To delete state 1 and 9

- Char. 43 To delete
- Char. 45 To read: "*B. davidii* var *veititchana*" for state 1
- Char. 46 To delete
- Char. 47 To delete
- Char. 48 To read: "Inflorescence: fragrance", with the example varieties: "Salmon Spheres" (1), and "*B. asiatica*, Winter Sun" (9)
- Char. 49 To delete
- Char. 50 To delete
- Char. 51 To delete
- Char. 52 To delete

Canna

49.* The subgroup discussed TG/CANNA(proj.2), as presented by Mr. Richard Brand (France), and agreed the following changes:

- 2.3 To read "...10 rooted plants, or rhizomes, which have never flowered before and are capable of normal flowering within one season"
- 4.2.2 To read: "...a sample size of 8 plants..."
- 5.3 To delete (h) and read (i): Flower: secondary color"
- Char. 2 To delete state 2
- Char. 3 To delete
- Char. 4 To delete
- Char. 5 To delete
- Char. 5a To add: "Leaf blade: length"
- Char. 6 To read: "Leaf blade:..."
- Char. 7 To delete
- Char. 8 To delete
- Char. 9 To read: "Leaf blade: conspicuousness of veins"
- Char. 10 State 3 to read: "red purple". To read: "Leaf: color excluding variegation color"
- Char. 14 To read: "Leaf blade: intensity of main color ...". To delete states 1 and 9
- Char. 15 To be placed after 13. To delete states 1
- Char. 16 To be placed after 13. To be indicated as QL, and state 2 to read: "along veins"
- Char. 17 To delete unless example varieties are provided by Hungary and New Zealand
- Char. 18 To read: "Inflorescence: length of flowering part of stalk end. To add "(at the opening of the first flower)"
- Char. 19 To be indicated as QN; and to read "Plant: position of the inflorescence in relation with the foliage"
- Char. 20 To be checked for deletion
- Char. 21 To delete state 9
- Char. 24 To delete
- Char. 25 To delete

- Char. 26 To read: “Flower: secondary color”. To check if “white, white yellow and pink” are necessary
- Char. 27 To have the states: shaded (diffuse) (1), spotted (2), with margins (3). To check state 4 (translation of “liseré”)
- Char. 28 To read: “Staminodes: position (open flower)” with the states 1, 3, 5
- Char. 29 To read: “Staminodes: overlapping”
- Char. 30 To delete
- Char. 31 To delete
- Char. 33 To delete
- Char. 34 To delete
- Char. 35 To delete
- Char. 36 To delete
- Char. 37 To keep (example variety from Hungary)
- Char. 38 To delete
- TQ: To use the same characteristics as for grouping

Clematis (Partial Revision)

50.* The subgroup discussed TG/215/2(proj.1), as presented by Mrs. Sandy Marshall (Canada), and agreed the following changes:

- Char. 3 To add (+)
- Char. 6 To delete the example varieties
- Char. 9, 10, 11, and 12 To add (+) and provide illustrations.
- Char. 13, 14 and 15 To delete note (b) (they should be observed on all leaflets)
- Char. 17, 26 Example variety for state 1 to read “George Jackman”
- Char. 21 and 27 To add (+) and to provide illustration or photographs.
- Char. 31 States 1 and 2 to read: “ovate” (1) and “lanceolate” (2), and no change in other states
- Char. 35 Example variety for state (3) to read ‘Cholmondeley’
- Char. 50 To delete (*)
- Char. 51 To delete (*) and to add state “yellow green” between states (1) and (2). No changes to other states. Example variety for state (9) to read “Cholmondeley”.
- Char. 53 To add a new state between states (1) and (2) with example varieties “Ania, Xerxes”, the United Kingdom and Poland to check the correct wording (“yellow-green” or “green”).

- 8.1 To add diagram or photograph to show ordinary flowers with and without petaloid staminodes.
 Note (b) to read: “For varieties with compound leaves, the leaf blade observations should be on basal leaflet of the first order.”
 Note (f) spelling of “color”. In last sentence to replace “stamens” with “staminodes”.
- Ad. 3 To provide Ad. 3 with the following explanation “The plant vigor should be considered as the overall abundance of vegetative growth”
- Ad. 9, 10, 11, 12 To provide diagrams
- Ad. 21 To provide diagrams
- Ad. 27 To provide illustrations
- 9 Poland to provide more literature

51.* The subgroup noted that it was intended to undertake a partial revision of the Test Guidelines to remove some problematic characteristics and to clarify the wording in certain other characteristics. Taking into account the importance of submitting a revised draft for consideration and possible adoption to the Technical Committee during 2007, the subgroup did not consider comments which went beyond the subject to be considered in the partial revision.

Diascia

52.* The subgroup discussed TG/DIASC(proj.2), as presented by Mr. Michel Cormier (Canada), and agreed the following changes:

- | | |
|-----------------|--|
| Table | Justification for title Section 7 |
| 2.3 | The first sentence to read:

“The minimum quantity of plant material, to be supplied by the applicant, should be:

10 rooted cuttings, for vegetatively propagated varieties;

a sufficient quantity of seed to produce 20 plants, for seed-propagated varieties
.....” |
| 3.4.1 and 3.4.2 | To read:
“3.4.1 Vegetatively propagated varieties: each test should be designed to result in a total of at least 10 plants.
3.4.2 Seed-propagated varieties: each test should be designed to result in a total of at least 20 plants.” |
| 3.5.1 and 3.5.2 | To read:
“3.5.1 Vegetatively propagated varieties: unless otherwise indicated, all observations should be made on 10 plants or parts taken from each of |

10 plants and any other observations made on all plants in the test.

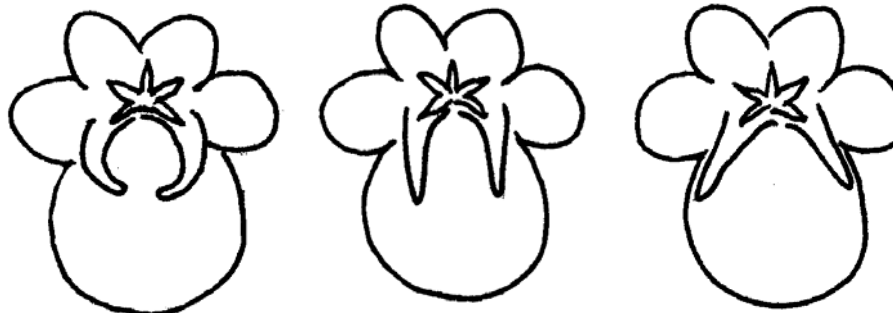
3.5.2 Seed-propagated varieties: unless otherwise indicated, all observations should be made on 20 plants or parts taken from each of 20 plants and any other observations made on all plants in the test.”

- 4.2.4 To be moved before 4.2.2
- 5.3 To have the following grouping characteristics:
- (a) Plant: growth habit (characteristic 1)
 - (b) Corolla: main color (characteristic 20) with the following groups:
 - Gr. 1: white
 - Gr. 2: light pink
 - Gr. 3: medium pink
 - Gr. 4: dark pink
 - Gr. 5: orange pink
 - Gr. 6: orange
 - Gr. 7: orange red
 - Gr. 8: red
 - Gr. 9: red purple
 - Gr. 10: light violet
- Char. 1 To add (+) and explanation, United Kingdom to check the time of assessment and the states of expression
- Char. 2 To add (+) with an explanation
- Char. 3 To read “Plant: width at broadest part”
- Char. 5 To delete (+) and to read “Shoot: anthocyanin coloration below the inflorescence” with states of expression: absent or weak (1); medium (2) and strong (3)
- Char. 10 State (2) to read “medium”
- Char. 12 To read “Leaf blade: main color” with states of expression “light green (1)”; “medium green (2)” and “dark green (3)”. To be indicated as QN
- Char. 13 To have the following states of expression: “light yellow (1)”; “medium yellow (2)” and “yellow green (3)”
- Char. 14 To be deleted.
- Char. 15 To read “Inflorescence: density” and to add note (c)
- Char. 16 To modify the notes as follows: “short (1)”; “medium (2)” and “long (3)”.
- Char. 18 State (2) to read “medium”
- Char. 27 To modify the notes as follows: “sparse (1); “medium (2)” and “dense (3)”
- Char. 29 To read “Spurs” instead of “Spur”
- Char. 30 To read “Spurs: color”
- Char. 31 To read “Spurs: curvature” and state 2 to read “medium”
- Char. 32 To be deleted
- New Char. To read “Spurs: attitude of tips”; with states of expression “pointing

inwards (1)”; “pointing downwards (2)” and “pointing outwards (3)”

- 8.1 To have the following explanations:
- “(a) Observations on the leaf blade should be made on fully expanded leaves from the middle third of a flowering stem.
 - (b) Observations on the leaf blade should be made on the upper side.
 - (c) Observations should be made on the middle third of an inflorescence.
 - (d) Observations on the corolla should be made on fresh fully open flowers.
 - (e) Observations on the corolla should be made on the inner side.”
- Ad. 1 To read:
“Ad. 1: Plant growth habit
 The plants should be grown in containers to observe the plant growth habit”
- Ad. 2 To read:
“Ad. 2: Plant: height
 Plant height should be measured from the surface of the growing medium”
- Ad. 5 To be deleted
- Ad. 12 Explanation to read “The “main color” is the color with the largest area”
- Ad. 24 Stage (2) to read “medium”
- Ad. 29 Illustration to be clarified with arrows and dash lines
- Ad. 31 State (2) to read “medium”
- New Char. To have the following explanation for the new characteristic at the end of the table:

Ad. Spurs: attitude of tips



1

pointing inwards

2

pointing downwards

3

pointing outwards

Elatior Begonia (Revision)

53.* The subgroup discussed TG/18/5(proj.2), as presented by Ms. Andrea Menne (Germany), and agreed the following changes:

- Char 8 To be deleted
- Char.20, 21, To delete (+)
23, 24, 25
and 26
- Char.25 and To read “Color of margin (inner and outer petals)”
26
- 8.1 Note (b) to read
 “(b) Bract: observations on the bract should be made on a fully developed
bract from a fully developed flower.”
- Ad. 5 To move the drawing up
- Ad. 10 To keep the title with the drawings and to indicate note 3 for state “narrow”
- Add. 11, 22 To add a drawing for state 7
and 27

Eucalyptus (part of genus only)

54.* The subgroup discussed TG/EUCAL(proj.3), as presented by Mrs. Daniela de Moraes Aviani (Brazil), and agreed the following changes:

- 2.2 To read: “The material is to be supplied in the form of young plants,
supplied from plants 4 to 5 months old.”
- 3.3.1a new To specify when the plants should be planted in the ground after the
material is supplied by the breeder
- 3.4.1a new The spacing is 5 x 5 meters.
- Char. 1 To read: “Leaf: petiole (8 to 9-month-old plants)”
- Char. 2.a new To read: “Leaf: length (8 to 9-month-old plants)”
- Char. 2.b new To read: “Leaf: width (8 to 9-month-old plants)”
- Char. 2.c new To read: “Leaf: ratio length/width (8 to 9-month-old plants)”
- Char. 2.d new To read: “Leaf: position of broadest part (8 to 9-month-old plants)”
- Char. 2.e new To read: “Leaf: shape of apex (8 to 9-month-old plants)”
- Char. 2.f new To read: “Leaf: shape of base (8 to 9-month-old plants)”
- Char. 2 To be deleted
- Char. 3 To be deleted

- Char. 4 To read: “Leaf: waxiness on upper side (8 to 9-month-old plants)” with the states: absent or weak (1), medium (2), strong (3). To add a new “(aa)” stage of observation.
- Char. 5 To read: “Leaf: attitude of blade (14 to 15-month-old plants)”with the states: upwards (1), outwards (2), downwards (3).
- Char. 6 To read: “Leaf: petiole (14 to 15-month-old plants)”
- Char. 7 To read: “Leaf: shape (14 to 15-month-old plants)”
- Char. 8 To read: “Only varieties with lanceolate leaf shape: Leaf: width (14 to 15-month-old plants)”
- Char. 9 To read: “Leaf: anthocyanin coloration (14 to 15-month-old plants) with the states: absent (1), weak (2), strong (3).
- Char. 10 To read: “Leaf: waxiness (14 to 15-month-old plants)”
- Char. 15a new Plant architecture characteristics should be provided
- 8.1 Suggestion to delete from “a” to “c”
- 8.1 To read:
- “(a) All observations should be made on 8 to 9-month-old plants;
 (b) All observations should be made on 14 to 15-month-old plants;
 (c) All observations should be made on 20-month-old plants;
 (d) All observations should be made on 44-month-old plants;
 (e) All observations should be made on 68-month-old plants.”
- 8.1 new To add:
- (aa) observations on leaves should be made on the middle part of the plant.

Gypsophila

55.* The subgroup discussed TG/GYPSO(proj.2), as presented by Mr. Baruch Bar-Tel (Israel), and agreed the following changes:

- Char. 1 To read “Plant: basal branching”, with the states: absent (1) and present (9). To be indicated as QL.
- Char. 6 To check whether the number of internodes should be observed “on 60cm. of the main stem”.
- Char. 13 To be indicated as PQ and to verify the following states of expression “incurved” (1); “straight” (2); “recurved” (3) and “rolled downwards” (4)
- Char. 15 To be indicated as QL
- Char. 21 To add (+) and an explanation in section 8 and to revise the wording.
- Char. 22 To add (+) and an explanation. To have notes 1 and 2.
- Char. 24 To be indicated as QL and to have notes 1 and 2

- New Char. To read "One color varieties only: Petal color" with the states: white (1) and pink (2).
- Char. 26 To read "Two color varieties only: Main color of petal" with the same states of expression.
- Char. A To read "Plant: angle of side branch in relation to main stem"
- Char. B To add new state "absent or very weak" (1)
- Char. D To check the states of expression
- Char. E To check the characteristic
- Char. H To replace "node" with "calyx"

ADDITIONAL CHARACTERISTICS

- (ii); (vi) To be deleted
- (i); (iv) and (v) To be checked

Hawthorn (Crataegus L.)

56.* The subgroup discussed TG/HAWTH(proj.3), as presented by Mrs. Sandy Marshall (Canada), and agreed the following changes:

- Char.1 To read "Plant: habit" and state 5 to read "weeping"
- New Char. after 20a To read: "Leaf: variegation", with states of expression "absent" (1); and "present" (9). The Netherlands to check colors and patterns and to consider the possible adoption of other colors for secondary color or variegation.
- Char.22 Example variety for state (2) to read 'Flexuosa'
- Char.34 and 36 To be moved after characteristic 23
- Char.35 To be deleted
- Char.50 To check whether there is "medium" state or whether it should have states "absent or very low" (1) and "strong" (2)
- Char.55 and 56 To be indicated as QN
- TQ 5 To include characteristic 23 "Petiole: length". The TWO will provide two additional characteristics for ornamental varieties
- TQ 7 To consider the addition of the use types: ornamental/fruit

57.* The subgroup recommended that these Test Guidelines be reconsidered in 2007 to allow experts from the Netherlands and Germany to make more detailed proposals on characteristics, in particular for ornamental varieties.

Hevea (Rubber)

58.* The subgroup discussed TG/HEVEA(proj.2 Rev.), as presented by Mrs. Daniela de Moraes Aviani (Brazil), and agreed the following changes:

- 2.2 To read “The material is to be supplied in the form of a dormant grafted and unshooted rootstock obtained from a pollinated plant, seeds from GT1 genotypes or varieties.”
- 5.3 To read:
“The following have been agreed as useful grouping characteristics:
- Tree: duration of wintering,
- Tree: shape of canopy,
- Trunk: axis.”
- Char. 1 To read “Leaf cluster: arrangement”
- Char. 2 To provide example varieties and to have the states: semi-erect (1), horizontal (3), semi-drooping (5).
- Char. 5 To read “Leaf: centre leaflet shape compared to laterals” with the states: same (1), different (2). To place after Char. 1. To delete (c).
- Char. 7 To read “Leaf: intensity of green color of upper side”. To place after Char. 1a.
- Char. 8 To read “Leaf: glossiness of upper side”. To place after Char. 1b.
- Char. 9 To read “Leaf: intensity of glossiness of upper side”. To place after Char. 1c.
- Char. 10 To read “Leaf: surface of upper side” with the states: smooth (1), moderately rough (2), rough (3). To place after Char. 1d. To check if it is QL.
- Char. 11 To read “Leaf: pubescence on veins on lower side” with the states: absent (1), present (9). To place after Char. 1e.
- Char. 12 To have the states: absent (1), present (9). To add note (c) for stage of observation.
- Char. 13 To be indicated as PQ. To add note (c) for stage of observation.
- Char. 14 To be indicated as QN. To check correlation with Char 2.
- Char. 15 To be indicated as QN
- Char. 17 To read “Trunk: perimeter (1 m from the ground)”
- Char. 19 To read: “Trunk: predominant color of bark” with the states: reddish brown (1), brown (2), grey (3). To be indicated as PQ.
- Char. 21 To read: “Crown: shape of canopy (from side view)”with the states: circular (1), triangular (2), elliptic (3), obtriangular (4), cordate (5). To be indicated as PQ.
- Char. 22 To have the states: low (3), medium (5), high (7).
- Char. 23 To read: “Coagulum: color of surface (24 hours after tapping)”. To add a (+) and to provide an explanation. To be indicated as PQ.

Char. 24	To add a (+) and to provide an explanation.
Char. 25	To be indicated as QN
Char. 26, 27 and 28	To provide example varieties for Char. 26 and a drawing indicating what is to be measured.
Char. 29	To check if state oblong is elliptic or obovate.
8.1	To read “(a) About 1.5 year-old plants (last flush of mature leaves) “(b) on 5-year-old plants “(c) observation should be made on the central leaflet” To change the order of (b) and (c).
Ad.1	To delete the words at the end of the sentence.
Ad. 26, 27 and 28	To be deleted
Ad. 29	To reorder the states of expression.
Chapter 5	To provide characteristics and example varieties.

Kalanchoe (Revision)

59. The subgroup discussed document TG/78/4(proj.1), as presented by Mrs. Andrea Menne (Germany), and agreed the following changes:

Table of Contents	To be checked
4.2.2	Japan will check the standard for uniformity
5.3 (c)	To read: “Corolla lobes: main color of upper side”
Char. 5	To add state “round” and Japan to check possible additional shapes and example varieties
Char. 9	To be indicated as “QN”
Char. 13	State (7) to read “recurving” instead of “reflexing”
Char. 14 and 15	To be indicated as “QN”
Char. 16	To verify the wording and to delete note “(b)”
Char. 25	Japan to check whether additional states of expression are necessary
Char. 29	To be deleted
8.1 (b)	Last sentence to delete the word “most” and to read: “Observations on the corolla lobes of <u>double flowers</u> should be made on the outer whirl of the corolla lobes.
Ad. 25	To read: “Corolla lobes: distribution of secondary color”
9	To add literature

Lily (Revision)

60.* The subgroup discussed TG/59/7(proj.1), as presented by Mr. Joost Barendrecht (Netherlands), and agreed the following changes:

- General To indicate QL, QN or PQ in all characteristics
1. To correct the spelling of “*Liliaceae*”
- 2.3 To read: “For vegetatively propagated varieties: “a minimum of” 30 bulbs, without having undergone any treatment, of size, sufficient to show flowering in the first year.”
For seed propagated varieties: “a minimum of” 300 seeds with a germination capacity of at least 50%.”
- 3.5.1 To read: “Unless (...) all observations on vegetatively propagated varieties should be made on 10 plants or parts taken from Unless (...) all observations on seed propagated varieties should be made on 30 plants or parts taken from ... each of 30 plants. Any other observations should be made on all plants in the test.”
- 4.2.2 To add in the first sentence: “... for vegetatively propagated varieties ...”
To add: “For seed propagated varieties, relative standards for uniformity should be used.”
To add the correct number of off-types in tests with a number of plants higher than 35.
- 5.3 To adapt the wording of grouping char. 20 (according to the change to the table of characteristics)
- Char. 2 To provide an explanation: length should be measured from bottom to top of inflorescence
- Char. 3 To read “ON” middle third instead of “IN” middle third
To include the variety denomination for “LEL 2426”
- Char. 6 To retain this characteristic
To include example varieties and drawings from the Japanese national guideline
- Char. 10a To include a new characteristic after 10: “Leaf: variegation”, to be indicated as QL, with the states: absent (1), present (9)
To include the example variety “CHOTARO” (9)
- Char. 11 To delete note 1 and 9 or to include example varieties for those states
- Char. 12 To provide a diagram and example varieties
- Char. 16 To provide an explanation: 1-7 tepals should be described as single; more than 7 should be classified as double
- Char. 17 To add: “ ...excluding pedicel”
To provide a diagram
- Char. 20 To read: “Flower: tepal: main color of inner side”

- Char. 23 To be placed before characteristic 20
To read: “Flower: tepal: number of colors on inner side”, with the states: one (1), two (2), more than two (3)
- Char. 24 To read: “Only one-colored varieties :...”
To add a new state: even (1) and renumber the following notes into 2, 3, 4
- Char. 25 To read: “Only varieties with more than one color ...”
- Char. 26 To retain these characteristics, but to reword into: “Only varieties with more
and 27 than one color: position of secondary color”, with the states: at base (1), at margin (2), at centre (3), at top (4)
- Char 28 To provide a drawing of the whole flower, with all the necessary details
- Char. 29 To provide a definition of “papillae”
- after Char. To re-introduce three characteristics: 32a “Tepal: spots on inner side”, with the
32 states: absent (1), present (2); 32b “Tepal: number of spots on inner side”, with the states: few (3), medium (5); many (7); 32c “Tepal: size of area with spots on inner side”, with the states: small (3), medium (5), many (7)
To provide a definition of spots
- Char 32- To correct the sequence of color groups
33
- Char. 41 For UPOV-office: to correct the sequence of color groups
- Char. 42 To change “brown” to “medium brown”
- Char. 45 To check the notes (note for grey green is missing)
- TQ 4.2 To delete all the wording in the last text box from: “In the case of hybrids ...

Mokara

61.* There was no subgroup meeting for the discussion of document TG/MOKARA(proj.1). The interested experts were invited to send their comments to Mrs. Lam-Chan Lee Tiang (Singapore).

Nerium oleander L.

62.* The subgroup discussed TG/NERIUM(proj.1), as presented by Mr. Richard Brand (France), and agreed the following changes:

II. Material required

6 plants (two-year-old plants), unpinched, non grafted and untreated

III. Conduct of Tests

To delete “independent”

Char. 1 To delete

Char. 2 State 3 to read “spreading”. To be indicated as PQ

- Char. 3 To add the state: “very short” with the example variety “Petite Red” (1)
- Char. 4 To be indicated as PQ and to read: “Shoot: color of distal part (current year’s shoot)”. To add (+) an explanation of where to be observed
- Char. 5 To delete
- Char. 6 To read: “Leaf blade: main color of upper side”
- Char. 7 To read: “Leaf blade: variegation”
- Char. 8, 9, 10 To replace “Leaf” by “Leaf blade”
- Char. 10 To read: “Leaf blade: profile in cross section”. State 2 to read “folded”
- Char. 11 To read: “Leaf blade: incurving of margins”
- Char. 12 To read: “Leaf blade: glossiness of upper side (to be observed in the shade)”
- Char. 14 To have the states “domed” 2 and “conical” 3
- Char. 15 States to read: beneath (1), above (3)
- Char. 17, 18, 19: To add a (+) with an explanation that the characteristics should be observed “just before opening”
- Char. 18 To check the naming of the colors
- Char. 19 To read: “Flower bud: swelling just before...”
- Char. 20 To check the naming of colors and to add the RHS Colour Chart Option.
- Char. 21 To read “Flower: number of rows of petals” with the states: one (1), two (2), three (3)
- Char. 22 To read: “Flower: maximum diameter”
- Char. 23 To check if “irregular” could be “rounded” and to check the relationship with the number of rows
- Char. 24 To read: “Petal: attitude of the upper part (fully opened flower, excluding the tube)”, with the states: erect (1), semi erect (2), and spreading (3)
- Char. 27 To consider reducing the number of states
- Char. 28 State 2 to read: “dentate”. To check if “entire” and “sinuate” are independent
- Char. 29 To read: “Petal: color of upper side”
- Char. 30 To read: “Petal: striping”
- Char. 31 To read: “Petal: pattern of streaks”
- Char. 32 To try to combine with characteristic 31 or to delete if only a few varieties are concerned
- Char. 33 State 3 to read: “whitish yellow”
- Char. 34 To add (+)
- Char. 35 To add (+)
- Char. 36 To read: “Corolla tube: length” with state 1 to read: very short
- Char. 37 To check the position to be observed and the naming of the colors
- Char. 39 To check the shapes

Char. 40	To read: “Corolline appendages: denticulation of lobes”
Char. 41	To add: “excluding the base”
Char. 42	To read: “Corolla tube: inner color of base”
Char. 43	To check with TGP/14 if it concerns hue or secondary color with TGP 14
Char. 44	To read: “Corolla tube: maximum diameter”
New (after Char. 44)	To read: “Corolla tube: length”
Char. 47	To be indicated as QN
Char. 48	States to read: moderately separated (2), strongly separated (3)
Char. 49	To read: “Flower: color of pedicels”
Char. 50	To read: “Flowering: annual habit”, with the states: once, twice, almost continuous
Char. 54	To read: “Fruit: longitudinal axis” with the states “straight”, “curved”, “sinusoid”
Char. 56	To delete

Nemesia

63. The subgroup discussed document TG/NEMES(proj.1), as presented by Miss Elizabeth Scott (United Kingdom), and agreed the following changes:

Table of contents	To include titles of Sections 8.1 and 8.2
General	To read “seed-propagated” throughout the document
5.3	To review the color groups for (b) “Upper lip of corolla: main color of inner surface” and “Lower lip of corolla: main color of inner surface”.
Table general	To harmonize “side/surface” to “side” throughout the table
Char. 1	To be indicated as QN
Char. 3	To read “broadest part” instead of “broadest point”
Char. 4	To delete (+)
Char. 5	To read “Shoot: thickness” with states “thin (1)”; “medium (3)” and “thick (3)” and to check where to observe
Char. 8	To read “Leaf blade: length/width ratio”
Char. 9	To have states of expression “few (3)”; “medium (5)” and “many (7)”
Char. 10	To add state “none or very few (1)”
Char. 12	To have states “light green (1)”; “medium green (2)” and “dark green (3)” and to be indicated as QN

Char. 13	To add (+), to delete states “dark yellow (3)”; “light green (5)”; “medium green (6)” and “dark green (7)” and to check for more states
Char. 14	To check the existence of example varieties for states “margin and central zone (2)” and “central zone only (3)”; if no example varieties to delete the characteristic
New Char.	To consider the inclusion of a new characteristic after Char. 18 “Corolla: length/width ratio”
Char. 19	To read “Corolla: length of upper lip relative to length of lower lip” with states of expression “much shorter (1)”; “moderately shorter (3)”; “approximately equal (5)”; “moderately longer (7)” and “much longer (9)”
Char. 20	To read “Upper lip of corolla: overlapping of central lobes” to check to see if it is appropriate.
Char. 21	To be indicated as QN and states (1) and (4) to read “upright (1)” and “horizontal (4)”
Char. 22	To be indicated as QN and to have the following states “in front (1)”; “in line (2)”; “slightly behind (3)” and “strongly behind (4)”
Char. 23	To add (+) and photographs
Char. 24	To add (+) and explanation of “main color”
Char. 25, 26, 28 and 29	To reword as “conspicuousness” and to have three states of expression “weak (3)”; “medium (5)” and “strong (7)”
Char. 27	To have (*) and to revise the states
Char. 30	Canada to revise the characteristic
Char. 31,32 and 33	To check if review is necessary
Char. 36	State (1) to read “absent or very weak (1)”
Char. 37	To add illustrations
Char. 38	To read “Lower lip of corolla: main color on inner side”
New Char.	To add a new characteristic after Char. 38 to read “Lower lip of corolla: secondary color on inner side”
Char. 39 to 41	To review if necessary
Char. 42	To be indicated as PQ
Char. 43	To read “Palate: size relative to size of lower lip of corolla”
Char. 44	To review if this is overcolor. States (1), (2) and (3) to read “whitish (1)”; “light yellow (2)” and “medium yellow (3)”
Char. 45	To be indicated as QL
New Char.	To add a new characteristic after Char. 45 “Palate: degree of hairiness”
Char. 46	To be indicated as QN, to read “Spur: length in relation to lower lip of corolla” and to check the wording of the states of expression

Char. 47	To add (+) with explanation referring to the time to wait for the assessment and the states of expression to read “absent or weak (1)”; “medium (2)” and “strong (3)”
Char. 48	State (1) to read “absent or very sparse (1)”
8.2	General: to reword the characteristics and the states of expression as per changes in the table
Ad. 13	To add definition of secondary color
Ad. 27 and Ad. 18	To be moved as note (d) into Section 8.1 and to add length and width.
Ad 35	Text to read “To be observed on fully expanded flowers from the side.”
Section 9	To check possible literature to add

Osteospermum (Revision)

64. The subgroup discussed TG/176/4(proj.1), as presented by Mr. Michel Cormier (Canada), and agreed the following changes:

Table of contents	To be revised
Sections	
1	To replace “Compositae” by “Asteraceae”
2.3	To read “15 rooted cuttings”
5.3	(e) to read “Ray floret: main color on upper side (characteristic 19) with the following groups: Gr. 1: white Gr. 2: yellow Gr. 3: yellow orange Gr. 4: orange Gr. 5: orange brown Gr. 6: pink Gr. 7: red Gr. 8: purple Gr. 9: violet To add (f) and read “Ray floret: <u>secondary</u> color on upper side (characteristic 21) with the following groups: Gr. 1: white Gr. 2: yellow Gr. 3: yellow orange Gr. 4: orange Gr. 5: orange brown Gr. 6: pink Gr. 7: red Gr. 8: purple Gr. 9: violet
6.5	To indicate (a-d) in legend for Explanations of the Table of Characteristics in Chapter 8.1.

Table of Chars.	To provide new example varieties for all characteristics
Char. 1	To have states of expression “erect (1)”; “semi-erect (2)” and “horizontal (3)”
Char. 3	To remove brackets from the wording
Char. 7	To read: “ <u>Only varieties with variegation absent</u> : Leaf: green color of upper side”
Char. 8	To be deleted
Char. 9	To read: “Flower head: number of ray florets” with states of expression “few (3)”; “medium (5)” and “many (7)”.
New characteristic	To read “Flower head: presence of collar-like ray florets”; with states of expression “absent (1)” and “present (9)”,
Char. 10	To read: “Flower head: diameter”; with states of expression “small (3)”; “medium (5)” and “large (7)”.
Char. 12	To add (+)
Char. 13	To have note QN and to read “Ray floret: ratio length/width”
Char. 14	To be deleted
Char. 15	To verify correct wording for state (4) and delete asterisk.
Char. 16	To be indicated as QL
Char. 17	To read: “ <u>Only varieties with inward rolling ray floret margins</u> : Ray floret: approximate portion with rolled margin”; with states of expression “up to one-third (1)”; “up to one-half (2)” and “up to two-thirds (3)”.
Char. 18	To be deleted
Char. 19	To have note (b), to read “Young flower head: main color of upper side of ray floret (if different from fully developed flower)” and to be moved after Char. 8
Char. 20	To be indicated as PQ, to have note (d), and to read “Ray floret: color of base” with state of expression to be indicated as RHS Colour chart
Char. 21	To be deleted
Char. 22	To check state “more than two (3)” and to check the Test Guidelines for <i>Bracteantha</i> for an appropriate explanatory note
Char. 23	To read “Ray floret: main color on <u>upper</u> side”
Char. 24	To be indicated as QN and to underline “upper” in the last phrase of the wording
Char. 25	To underline “upper” in the last part of the wording
Char. 26	To have note (d); to underline “upper” in the last part of the wording and to have states of expression “basal zone (1)”; “apical zone (3)” and “longitudinal stripes (3)”.
Char. 28	To be deleted
Char. 29	To have states of expression “yellow (1)”; “purple (2)”; “violet (3)”;

“blue (4)” and “brown (5)”.

- Char. 30 To be indicated as QN and to have notes 3, 5, 7.
- Char. 31 To have note (b); to read “Disc: color”; to check state of expression “red”; to delete states of expression “light blue” and “dark blue”, to add state “blue”; and to add state “grey”. Mrs A. Menne (Germany) to check color states.
- 8.1 To read:
- (a) All observations on the leaf should be made on fully developed leaves from the middle part of the plant
 - (b) All observations on the young flower should be made when all ray florets are fully expanded and there are no disc florets open (to be checked)
 - (c) All observations on the flower should be made when one row of disc florets has opened
 - (d) To add a diagram illustrating parts of the ray floret
- Ad. 2 To be deleted.
- Ad. 12 To add as follows:
“Ad. 12: Ray floret: width:
 For ray florets with inward-rolled margins, observe the broadest part.”
- Ad. 15 To provide an illustration for state 4
- Ad. 16 To revise the pictures. Germany to provide pictures.
- Ad. 18 To be deleted
- Ad. 22 To read:
“Ad. 22: Ray florets: number of colors on upper side (base excluded)
- In varieties with inward rolled ray floret margins, the lower side of the ray floret is visible when viewing the upper side of the flower. In these cases the color of the now visible lower side is not to be considered a color of the upper side.”
- Ad. 23 To check the Test Guidelines for *Bracteantha* for an appropriate explanatory note.
- 10.5 To modify the characteristic as per changes in the Table of Characteristics and to add
 “Only varieties with two or more colors on upper side: Ray floret:” with states “white (1)”; “yellow (2)”; “yellow orange (3)”; “orange (4)”; “orange brown (5)”; “pink (6)”; “red (7)”; purple (8)”; “violet (9)” and “other color (10)”.

Poinsettia (Revision)

65.* The subgroup discussed TG/24/6(proj.1), as presented by Mr. Lars Jacobsen (Denmark), and agreed the following changes:

Table of Contents	To include Sections 8.1 and 8.2
1	To check whether to add hybrids
3.3.1	Second sentence to read “Five weeks after propagation the plants should receive a short day treatment for 10 weeks.”
3.3.2	To explain that the plants should not be pinched.
5.3	To add characteristic 37, with the following groups: white, yellow, orange red, red, purple, pink To add characteristics 38, 40 and 41 (to be checked in Denmark this year).
Table of Char.	Example varieties to be supplied after this testing season.
Char. 7	To delete states (1) and (9).
Char. 9	To have states “deltoid (1)”; “ovate (2)”; “lanceolate (3)”; “elliptic (4)” and “rounded (5)”.
Char.10	To add (+) with an explanation.
Char. 12	To read “ <u>Only varieties with one-colored leaves</u> : Leaf blade green color”, with state of expression “light (3)”; “medium (5)” and “dark (7)”.
Char. 13	To read “ <u>Only varieties with more than one-colored leaves</u> : Leaf blade: main color”
Char. 14	To read “ <u>Only varieties with more than one-colored leaves</u> : Leaf blade: secondary color”
Char. 15	To read “ <u>Only varieties with more than one-colored leaves</u> : Leaf blade: distribution of secondary color” to be indicated as QL
Char. 16	To read “ <u>Only varieties with more than one-colored leaves</u> : Leaf blade: tertiary color”.
Char. 17	To read “ <u>Only varieties with more than one-colored leaves</u> : Leaf blade: area of main color compared to area of other color(s)”; with states: almost equal (1), moderately larger (2), much larger (3)
Char.18	To have states: only green (1), green and red (2), only red (3). To be indicated as PQ
Char. 19	To have states: only green (1), green and red (2), only red (3). To be indicated as PQ
Char. 20	State 1 to read: “none or very few” instead of “absent or very few”
Char. 21	State 1 to read: “depth of deepest sinus”
New Char.	To read: “Leaf blade: curvature of main vein” with the states: absent or very weak (1), medium (2), strong (3)
New after	To read: “Petiole: intensity of color of upper side”; with the states:

- Char. 23 weak (3), medium (5), strong (7)
- Char. 27 State 1 to read: “none or very few” and to add (+) with photographs
- Char. 28; 29, 30 and 31 To add (+) with photographs
- Char. 32 To read “Bract: length of largest bract (including petiole)”
- Char. 34 To have the states: ovate (1); elliptic (2); lanceolate (3), oblanceolate (4); and obovate (5)
- Char. 35 To underline “upper” in the wording and to add (+) with photographs
- Char. 36 To add (*) and to read “Only varieties with more than one colored bracts: Bract color pattern of upper side”; with the states: only marbled (1), marbled and spotted (2), only spotted (3)
- Char. 37 To read: “Only varieties with one colored bracts: Bract: color of upper side”
- Char. 38 To read: “Only varieties with one colored bracts: Bract: color of upper side”, and to add (+) a drawing to illustrate the zones.
- Char. 39 To read: “Only varieties with marbled bracts: Bract: secondary color of middle zone of upper side”, and to add (+) with a drawing to illustrate the zones.
- Char. 40 To read: “Only varieties with marbled bracts: Bract: secondary color of marginal zone of upper side”, and to add (+) with a drawing to illustrate the zones.
- Char. 41 To read: “Only varieties with spotted bracts: Bract: main color of upper side”.
- Char. 42 To read: “Only varieties with spotted bracts: Bract: color of spots of upper side”.
- Char. 43 The underlined text to read “Only varieties with colored bracts:”
- Char. 44 The underlined text to read “Only varieties with marbled bracts:”
- Char. 45 The underlined text to read “Only varieties with marbled bracts:”
- Char. 46 The underlined text to read “Only varieties with marbled bracts:”
- Char. 49 To read “Bract: folding along main vein” with the states: absent or very weak (1), medium (2), strong (3). To have (+) with photographs and to be indicated as QN
- Char. 50 To read “Bract: curvature along main vein”; with the states: absent or very weak (1); medium (2), strong (3). To have (+) with photographs and to be indicated as QN
- Char. 51 To have (+) with photographs
- Char. 52 and 54 To be indicated as QN
- Char. 55 To be indicated as PQ

Portulaca

66. The subgroup discussed document TG/PORTU(proj.1), as presented by Mr. Kiyoshi Yoda (Japan), and agreed the following changes:

Cover page	to delete: “including var. sativa”
Table of Contents	to delete Ad. 1 to Ad. 3 and to insert: 8.1 Explanations covering several characteristics; 8.2 Explanations for individual characteristics
Section	
2.2	To read: “seed” instead of “seeds”
2.3	To read: “for vegetatively propagated varieties: minimum 25 rooted cuttings.”
Char. 1	To add note (a)
Char. 2	To add note (a); To add heading: “Only semi-upright varieties” and first state of expression to be “short (3)”
Char. 3	To add note (a); to read: “Plant: diameter” with states of expression “small (3)”; “medium (5)”; “large (7)”; and to modify drawing
Char. 4	To add note (a)
Char. 5	To add note (a); to add (+); to add to drawing of Char. 3 and states of expression to read: “absent or very weak (1)”; “weak (3)”; “medium (5)” and “strong (7)”.
Char. 6	To be placed after Char. 3; to add note (a); to read “Plant: number of shoots” with states of expression: “few (3)”; “medium (5)”; and “many (7)”; and to check example varieties
Char. 7	note (a) to be replaced by (b); PQ to be replaced by QL; and states of expression to read : “elliptic (1)” and “obovate (2)”
Char. 8	note (a) to be replaced by (b); to read: “Leaf blade length”
Char. 9	note (a) to be replaced by (b); (*) to be added; to read: “Leaf blade: width”
Char. 10	note (a) to be replaced by (b)+(c); to read: “Leaf blade: main green color” with states of expression: “light (3)”; “medium (5)” and “dark (7)”.
Char. 11	note (a) to be replaced by (b)+(c); and to read: “Leaf blade: anthocyanin coloration of margin”
Char. 12	note (a) to be replaced by (b)+(c); to read: “Leaf blade: variegation” and to be placed after Char. 9
Char. 13	note (a) to be replaced by (b)+(c); to read: “Leaf blade: color of variegation” and to be placed after Char. 10
Char. 14	note (a) to be replaced by (b); and to be placed after Char. 7
Char. 15	note (b) to be replaced by (d); and to read: “Flower: petaloid staminodes” with states of expression: “absent (1)” and “present (9)”

- Char. 16 note (b) and (d) to be replaced by (d) and (e); QN to be replaced by PQ; to read: “Only varieties without petaloid staminodes: Flower: side view” with states of expression “flat (1)”; “intermediate (2)” and “concave (3)”
- Char. 17 to be replaced by (d)
- Char. 18 characteristic to be checked; to check whether it refers to number of flowers + buds per shoot
- Char.19 note (c) to be replaced by (d) and (f) and to read: “Corolla lobe: main color”
- Char. 20 note (c) to be replaced by (d) and (f) and to read: “Corolla lobe: secondary color”
- Char. 21 note (c) to be replaced by (d) and (f); and to read: “Only varieties with bi-colored corolla lobes: Corolla lobe: distribution of secondary color (macule excluded)” with states of expression: “as stripes (1)”; “changing gradually towards tip (2)”; “at margin (3)” and “at tip (4)”.
- Char. 22 note (c) to be replaced by (d) and (f) and to read: “Only varieties with bi-colored corolla lobes: Corolla lobe: secondary color (macule excluded)”
- Char. 23 note (c) to be replaced by (d) (f); to read: “Corolla lobe: macule at base” and to be placed after Char. 19
- Char. 24 note (c) to be replaced by (d) (f); to read: “Only varieties with macule: Corolla lobe: color of macule” and to be placed after Chars. 19, 23
- Char. 24a New characteristic: QL; (d); wording “Only varieties with petaloid staminodes: Petaloid staminodes: number of colors” with; states of expression: “one (1)” and “two (2)”
- Char. 24b New characteristic: PQ; (d); wording “Only varieties with petaloid staminodes: Petaloid staminodes: main color” with states of expression by RHS Colour Chart
- Char. 25 to be deleted
- Char. 26 note (c) to be replaced by (d) and (f); QL to be replaced by QN; and to read: “Corolla lobe: emargination” with states of expression: “absent or very shallow (1)”; “medium (2)” and “deep (3)”.
- Char. 27 to be deleted
- Char. 28 note (c) to be replaced by (d) and (f)
- Char. 29 note (c) to be replaced by (d) and (f)
- Char. 30 To add note (d)
- Char. 31 note (c) to be replaced by (d)
- Char. 32 to read: “Time of beginning of flowering”

- 8.1 The whole paragraph to be reworded:
- (a) Observations on the plant and shoot should be made one month after first flowering;
 - (b) Observations on the leaf should be made on fully expanded leaves on the middle third of the flowering shoot;
 - (c) All observations on the leaf color should be made on the upper side;
 - (d) Observations on the flower should be made on a fully opened flower at anther dehiscence;
 - (e) Observations on the flower profile should be made before pollination (early morning);
 - (f) All observations on the corolla should be made on the upper side
- Ad 3 drawing to be modified and to add 5 Axil to the drawing
- Ad 7 drawing to be adapted; 1+4 to be deleted; 2 will be state 1; 3 will be state 2
- Ad 15 wording to be adapted to the revised characteristic
- Ad 21 drawing to be adapted/improved
- Ad 23 wording to be adapted to the revised characteristic
- Ad 25 to be deleted
- Page 17 Ad 27: to be deleted

Sutera and Jamesbrittenia

67.* The subgroup discussed TG/SUTERA(proj.2), as presented by Ms. Andrea Menne (Germany), and agreed the following changes:

- Table of contents To include Chapter 8, and to delete the titles of the explanations.
- 1 To read “These Test Guidelines apply to all varieties of *Sutera* Roth and *Jamesbrittenia* O. Kuntze of the family *Scrophulariaceae* and hybrids between them.”
- 2.3 The quantity of plant material to be “15 rooted cuttings”
- 5.3 Grouping characteristics (c) and (d) to read as follows:
- “(c) Corolla: number of colors (excluding mouth of corolla tube) (characteristic 18)
 - “(d) Corolla: main color (excluding mouth of corolla tube) (characteristic 19) with the following groups:
 - Gr. 1: white
 - Gr. 2: pink
 - Gr. 3: red
 - Gr. 4: purple
 - Gr. 5: violet”

- 6.5 To add (b) and (c)
- Char. 2 To delete the (+)
- Char. 3 and 4 To add (+) and to add the text within brackets in the explanation
- Char. 9 To read “Leaf blade: ratio length/width”
- Char. 10 To be indicated as QN
- Char. 12 To read “Young leaf: main color (if clearly different from color of fully developed leaf)”; to add note (b) and to be indicated as QL
- Char. 14 To read “Leaf blade: main color”, to add example variety “Dancop 15” for state 2 and to add note (b) and to delete the “(+)”
- Char. 15 To add (+)
- Char. 18 and 19 To add note (c)
- Char. 20 To read “Corolla: number of colors (excluding mouth of corolla tube)” and to add (+)
- Char. 21 To read “Corolla: main color”
- Char. 22 To read “Corolla: secondary color” and to add a (+)
- Char. 20, 21 and 22 To be moved after characteristic 17
- Char. 24 To read “Only varieties with single flowers: corolla tube: main color at mouth”
- 8.1 To add the following notes
- (b) the main color is the color with the largest area. In cases where the relative areas are equal, the darker color is the main color.
 - (c) Observations on the corolla lobes of double flowers should be made on the largest lobe
- Ad. 2 To be deleted
- Ad 3 To provide the following explanation “Observations on the internode length should be made on the middle third of the shoot.”
- Ad. 4 To provide the following explanation “Observations on anthocyanin coloration should be made on upper third of shoot.”
- Ad. 14 To be deleted
- Ad. 15 To provide the following explanation “A single flower has 5 corolla lobes only. A double flower has more than 5 corolla lobes”.
- Ad. 20 To be incorporated with Ad. 21, 22 and 24, to amend the wording as per changes in the table of characteristics and to improve the diagrams.

Tagetes

68.* The subgroup discussed TG/TAGETE(proj.5), as presented by Mr. Serrato Cruz (Mexico), and agreed the following changes:

- 5.3 (e), (f) and (g) To change “cream” to “whitish”
- 5.3 (g) To amend spelling to “tubulate”
- Char. 4 To read “Plant: growth habit”
- Char. 12 To read “Only varieties with pinnate leaves ...”
- Char. 13 To remove the text in brackets and to add (+) with an explanation in Chapter 8
- Char. 14 To replace “on terminal flower head” with “of terminal flower head”
- Char. 17 To add “Only flower heads with ligulate florets ...”
- Char. 18 To add (+) with an illustration or photographs in Chapter 8
- Char. 27 To read “Only varieties with two flowerhead colors: Ligulate floret: main or only color”, and to add (+) with an explanation of main color in Chapter 8
- Char. 28 State 1 to read “whitish” instead of “cream”
- Char. 29 To add “s” to “color” in the underlined text
- Char. 30 States 1 to 9 to be reversed (small to large area)
- Char. 31 To be indicated as QL and to read “Only varieties with two flowerhead colors: Tubulate and/or tubuligulate floret: number of colors”
- Char. 32 To read “Tubulate and/or tubuligulate floret: main or only color” and to add (+) with an explanation of main color in Chapter 8
- Char.33 To read: “Only varieties with tubulate and/or tubuligulate florets with two colors: Tubulate and/or tubuligulate floret: secondary color”
- New order To move characteristics 26, 27, 28, 29 and 30 after characteristic 33
- Ad. 4 To reword the heading according to the Table of Characteristics
- Ad. 10 Explanation to read: “Observation should be made on a leaf in the middle zone of the main stem at the time of full flowering”
- Ad. 13 To read “Leaf margin: depth of indentations”, with the following explanation: “for pinnate leaves observe terminal leaflet”
- Ad. 15 To remove “or individual floret”, hence the explanation to read “The florets can be ligulate”
Photographs to be replaced and labels pointing to rays or disc florets removed.
- Ad. 18 To add diagrams or photographs

- Ad. 24 To change to read as follows:
- “(2) The disc floret and the ray floret with the same floret type are a different color.
- “(3) The disc florets (tubulate and/or tubuligulate type) are different colors and the ray florets are one of those colors.
- “(4) The ray florets (ligulate type) are two different colors and the disc florets (tubulate and/or tubuligulate) are one of those colors.”
- Ad. 27 To read “Only varieties with two flowerhead colors: Ligulate floret: main color” with the explanation to read “In varieties with two ligulate floret colors, the main color is the color with the largest surface area”
- Ad. 32 To read “Tubulate and/or tubuligulate floret: main color” with the explanation to read “In varieties with two tubulate and /or tubuligulate floret colors the main color is the color with the largest surface area”

Tea (Camellia sinensis (L.) O. Kuntze)

69.* The subgroup discussed TG/TEA(proj.3), as presented by Liang Chen (China), and agreed the following changes:

- Cover page To have the same botanical name as in Chapter 1.
- Char. 1 To add an example variety for state 3
- Char. 12 To be indicated as QN
- Char. 17 To amend the drawings in the explanation.
- Char. 21 State 5 to read “medium” instead of “intermediate”
- Char. 22 To check the drawings in the explanation and the wording of the states of expression, in particular for state 2.
- Char. 26 To have the states: absent (1), present (9)
- Char. 29 To delete the (+)
- Char. 32 To add example varieties for states 5 and 7.
- Char. 34 To delete the (*)
- Ad. 17 To improve the drawings
- Ad. 22 To check the drawings
- Ad. 29 To be deleted
- TQ 1 To modify to allow for the application of varieties from the closely related species

Recommendations on draft Test Guidelines

70.* The TWO recommendations on Test Guidelines are contained in Annex IV to this document.

Date and place of the next session

71.* At the invitation of the expert from China, the TWO agreed to hold its fortieth session in Kunming, China, from July 2 to 6, 2007.

Future program

72.* The TWO proposed to discuss the following items at its next session:

1. Opening of the Session
2. Adoption of the agenda
3. Short reports on developments in plant variety protection.
 - (a) Reports from members and observers (oral reports by the participants).
 - (b) Reports on developments within UPOV (oral report by the Office of the Union).
4. Molecular Techniques
5. TGP documents
6. UPOV information databases
7. Project to consider the publication of variety descriptions
8. Information on probability levels used in COY and population standards used in the assessment of uniformity by off-types
9. Additional characteristics
10. Discussion on draft Test Guidelines (Subgroups)
11. Recommendations on draft Test Guidelines
12. Date and place of the next session
13. Future program
14. Report of the session (if time permits)
15. Closing of the session

Technical Visit

73.* On August 30, 2006 the TWO visited the Sitio AVOREDO Center for Tropical Flowers, Pacotí, Ceará State.

74. This report has been adopted by correspondence.

[Annexes follow]

ANNEX I

LIST OF PARTICIPANTS

I. MEMBERS

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II. ORGANIZATIONS

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[Annex II follows]

TWO/39/12

ANNEX II

Welcome address by

Mr. Helinton José Rocha
Director, Intellectual Property Department and Agricultural Technology
Minister of Agriculture, Livestock and Supply

On behalf of the Minister of Agriculture, Livestock and Supply

Mrs. Marshall, Madam Chairperson of the Technical Working Party for Ornamental Plants and Forest Trees; Mr. Lavignolle, Senior Counsellor of UPOV; Distinguished Participants; Ladies and Gentlemen. Welcome to the thirty-ninth TWO UPOV Meeting!

Let me extend my sincere gratitude to Madam Chairperson and the UPOV Secretariat for giving us this opportunity to host the UPOV TWO meeting in Fortaleza, State of Ceará, Brazil.

In 2002 we hosted the UPOV TWA meeting in Rio de Janeiro, where our staff had a great opportunity to get acquainted with the UPOV system and procedures.

The Federative Republic of Brazil has also hosted the last session of the Technical Working Group for Fruit Crops, held last week in the city of Salvador. As such, the Federative Republic of Brazil has been a very active member of the organization.

As a member of UPOV, Brazil will continue to play a leading role in fulfilling its obligations as a member and in actively protecting intellectual property rights of new varieties. We are right now amending our Plant Variety Protection Law in order to enhance plant breeder's rights. The main reasons for us to do so were the ornamentals, the forest trees sector and the fruit crops.

This TWO meeting is not only a great opportunity for us to exchange ideas about the topics related to plant variety protection, but is also a way for Brazil to improve its own national agricultural mechanisms of production.

It is not by accident that Fortaleza hosts this meeting. The state of Ceará is a new state in the development and use of new plant varieties, tropical flowers production and export. It hosts a very important flower production pole, besides large fields planted with several types of tropical fruits. All of them are heavily dependent upon plant breeding and rely on the most modern irrigation and production techniques.

Brazil is becoming an active player on the global flower production market, with US\$120 million of total production, of which US\$30 million were destined for export, in 2005. The statistics reveal the sharp increase of Ceará on the total flower export value, from 0.5 million dollars in 2002, up to almost 4.0 million dollars in 2005! But even so, Brazil still faces some great challenges in order to benefit from its tremendous potential. Logistics and financial support for productive activities are along the most important ones.

We shall leave Fortaleza aware that in this room we will discuss and make significant progress on some very important Test Guidelines and procedures that compose the UPOV agenda.

Important information will be shared during this meeting, such as on the activities of the UPOV, as well as on the latest developments regarding Trial Design and Techniques Used in Examination of Distinctness, Uniformity and Stability.

Finally, we are pleased to host this meeting, especially by allowing the interaction between national designated authorities, and our important contribution towards the creation and promotion of international use of top quality products, for the benefits of farmers and society worldwide.

Thank you.

[Annex III follows]

Presentation made by

Mrs. Daniela de Moraes Aviani
Coordinator
National Plant Variety Protection Service (SNPC)
Ministry of Agriculture, Livestock and Supply

Agricultura

AGRICULTURAL DEVELOPMENT AND
COOPERATIVISM SECRETARIAT

INTELLECTUAL PROPERTY AND
AGRICULTURAL TECHNOLOGY DEPARTMENT
DEPTA

National Plant Variety Protection
Office
SNPC

Ministry of Agriculture, Livestock and Food Supply

Agricultura

Plant Variety Protection
in Brazil

Daniela de Moraes Aviani
SNPC Coordinator


Ministry of Agriculture, Livestock and Food Supply

Agricultura



Ministry of Agriculture, Livestock and Food Supply

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UPOV

Ata 1978	X	Ata 1991
15 & 18 years		20 & 25 years
Lim. # spp.		All spp.
		Extend breeders' rights
		Farmers' privilege
		Essentially Derived Variety
		Provisional Protection

BRASIL – adesão em 1999
68 genus/species




Ministry of Agriculture, Livestock and Food Supply

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PBR EXCEPTIONS

- save seeds (farmers' privilege);
- use or sell as food or raw material;
- small farmers (for donation or exchange);
- breeder programs;




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APPLICATIONS

DECLARATORY SYSTEM

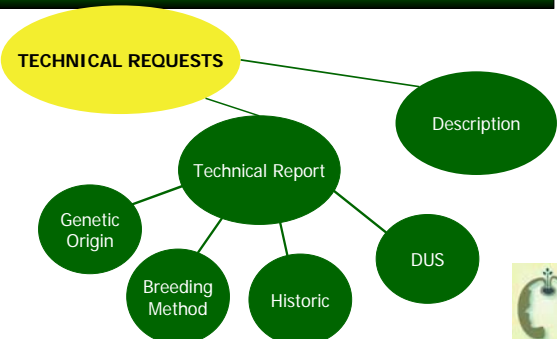
- Application and Denomination Forms
- Live sample declaration and location
- Sworn Statement
- Tax



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EXIGENCES FOR APPLYING



```

graph TD
    A[TECHNICAL REQUESTS] --- B[Description]
    A --- C[Technical Report]
    C --- D[Genetic Origin]
    C --- E[Breeding Method]
    C --- F[Historic]
    C --- G[DUS]
    
```



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FOREIGN TESTS AND TRIALS


Foreign tests and trials may be accepted when they are purchased by SNPC from UPOV member countries.

Tests may also be conducted outside Brazil. In that case, it is recommended to repeat a test in Brazil to confirm the characteristics.

COST OF PROTECTION

The total cost of protection is 340 USD. This price includes a 90 USD fee for application and analysis, and a certificate fee of 250 USD, upon issuance of the certificate.

The annual fee for the maintenance of the protection is about 175 USD.



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LIVE SAMPLE

A live sample must be submitted to the SNPC. The applicant must comply with all import procedures.

ENFORCEMENT



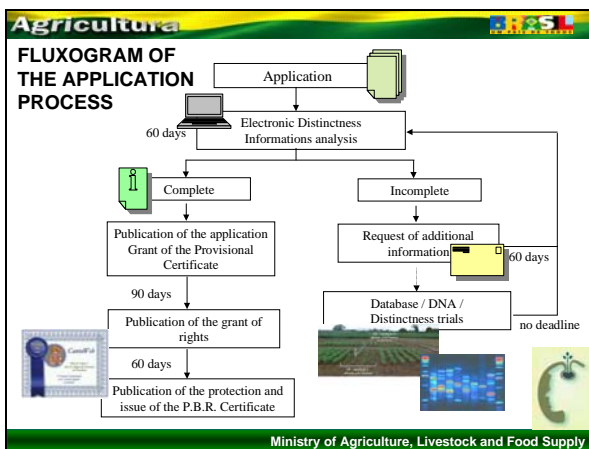
Inspection / Seed Law

The titleholder may bring a civil action against any person who infringes his rights.

He may ask a court to issue an injunction to prevent from further violations and also might bring a suit in such cases.



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RIGHTS PROTECTED

The effect of the right granted to the breeder is that his prior authorization shall be required for:

- the production for purposes of commercial marketing;
- the offering for sale;
- the marketing;

of the reproductive or vegetative propagating material, as such, of the variety.

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DATABASE AND TESTS

Live samples

Seed Bank

DNA Bank

Distinctness test

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LADIC - NATIONAL LABORATORY FOR DIFFERENTIATION, ANALYSIS AND CHARACTERIZATION OF VARIETIES

MISSION

To provide laboratorial support to PVP related activities concerning the characterization and differentiation of varieties and maintenance of live samples

Ministry of Agriculture, Livestock and Food Supply

Ministério da Agricultura, Pecuária e Abastecimento

Agricultura 145 anos

Ministério da Agricultura, Pecuária e Abastecimento

Notícias

Destaque

Ministério da Agricultura, Pecuária e Abastecimento

Serviços Cultivares - Proteção

Formulários para Proteção de Cultivares

- Formulário de Solicitação de Proteção de Cultivares
- Formulário de Solicitação de Denominação de Cultivares
- Formulário de Solicitação de Proteção de Cultivares
- Relatório Técnico Descritivo da Obtenção da Cultivar
- Declaração de Existência de Amostra Viva
- Declaração Juramentada

Formulários de Espécies incluídas no Regime de Proteção

- Agriculturas
- Algodão (*Gossypium hirsutum* L.)
- Plant Variety Protection Law and Decree (english version)
- Data de publicação dos descritores: 07/11/1997
- G.R.U. para Proteção de Cultivares
- Amor (Onça salvia L.)
- Data de publicação dos descritores: 05/11/1997

http://www.agricultura.gov.br/images/MAPA/cultivares/11200.htm - Microsoft Internet Explorer

SERVIÇO NACIONAL DE PROTEÇÃO DE CULTIVARES

Certificados de proteção concedidos
Período: 01/01/1998 a 06/07/2005
Atualizado em 06/07/2005

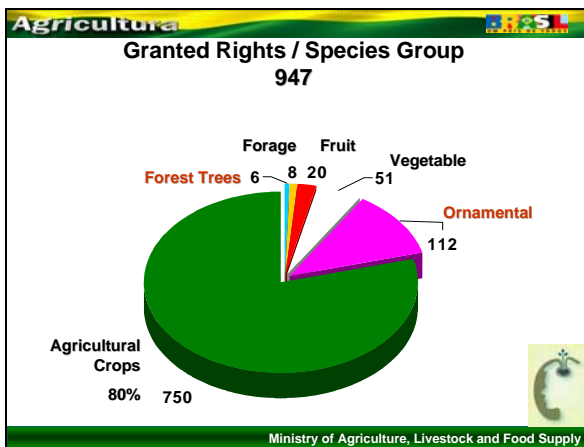
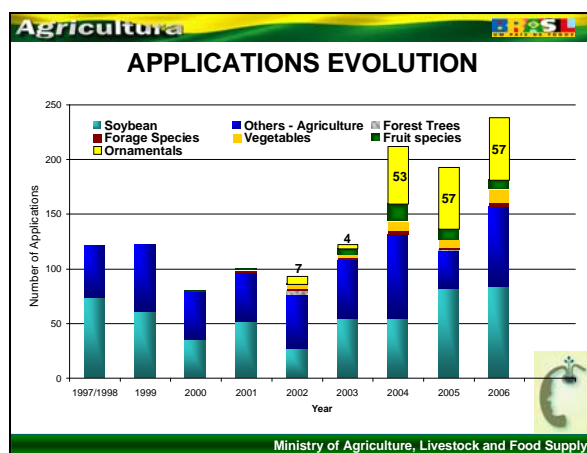
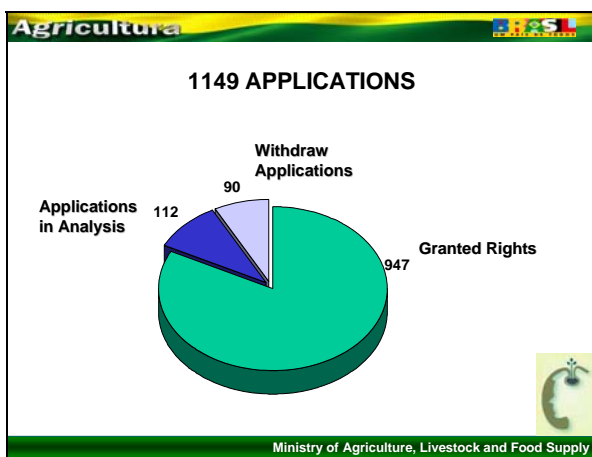
Certificado	Cultivar	Títular	Data Concessão	Válido até
26	abacaxi (Ananas comosus (L.) Merrill)			
00586	BRS Imperial	0008	11/03/2004	11/03/2019
00432	Grego	01.35	1/00/2/2003	1/00/2/2018
00596	00525 (J)	01.70	31/05/2004	31/05/2019
00428	Lidia	01.35	2/31/2/2002	2/31/2/2017
00422	Mayara	01.32	30/09/2002	30/09/2017
0216668	Vanda	01.35	27/01/2005	27/01/2020
1 - algodão (Gossypium spp)				
00230	BRS 187	0008	25/09/2000	25/09/2015
00217	BRS 197	0008	26/07/2000	26/07/2015
00302	BRS 200	0008	1/20/7/2001	1/20/7/2016
00381	BRS 201	0008	27/08/2001	27/08/2016
00072	BRS 96	0028	31/03/1999	31/03/2014
00542	BRS Acadia	0008	15/12/2003	15/12/2018
00071	BRS Antares	0028	21/03/1999	21/03/2014
0210709	BRS Arayá	0008	24/03/2005	24/03/2010

Concluído

68 SPECIES ELIGIBLE FOR PLANT BREEDERS' RIGHTS

- FRUIT:** pineapple, banana, apple, mango, strawberry, pear and grape
- ORNAMENTALS:** amaryllis, anthurium, aster, begonia, rose, guzmania, kalanchoe, cymbidium, zantedeschia, dianthus, chrysanthemum, statice (3 species), grasses (2 species), gerbera, gypsophilla, hibiscus, hypericum, Impatiens walleriana, Impatiens x New Guinea, lillium, poinsettia, solidago and saintpaulia
- FOREST TREES:** eucalyptus
- AGRICULTURAL:** cotton, rice, oat, potato, sugarcane, coffee, barley, french bean, corn, soybean, sorghum, wheat and triticale
- VEGETABLES:** pumpkin, lettuce, garlic, onion, carrot, okra, tomato, pepper and sweet pepper
- FORRAGE:** brachiaria (syn. urochloa) (5 species), Panicum maximum, Pennisetum purpureum, Cajanus cajan, macrotyloma and pearl millet

Ministry of Agriculture, Livestock and Food Supply



NEW PVP LAW

- Proposal is ready to be sent to the Congress;
- Extends the breeders' rights;
- Restricts the farmers' privilege;
- Forbid saving seeds;
- All species, including algae and fungi;
- Extend the duration of protection;
- Review DUS procedures (accreditation/DUS field inscription for inspection);
- Improve the enforcement

Ministry of Agriculture, Livestock and Food Supply

Agricultura 

SNPC

Internet: www.agricultura.gov.br
serviços > cultivares > proteção

Telefones: (+55) 61 3218 2549 / 3218 2547

E-mail: snpc@agricultura.gov.br
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Ministry of Agriculture, Livestock and Food Supply

[Annex IV follows]

LIST OF LEADING EXPERTS

**DRAFT TEST GUIDELINES TO BE SUBMITTED
TO THE TECHNICAL COMMITTEE IN 2007**

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

before October 13, 2006

Species	Basic Document	Leading expert(s)	Interested experts (countries) ¹
Angelonia	TG/ANGLN(proj.2)	Mrs. Eddy-Costa (AU)	CA, DE, GB, QZ
Azalea (pot) (Revision)	TG/140/4(proj.2)	Ms. Menne (DE)	AU, QZ, NZ
Clematis (Partial Revision)	TG/215/2(proj.1)	Ms. Marshall (CA)	DE, FR, GB, JP, NL, NZ, PL, QZ
Diascia	TG/DIASC (proj.2)	Mr. Cormier (CA)	AU, GB, JP, NZ, PL, ZA
Elatior Begonia (Revision)	TG/18/5(proj.2)	Ms. Menne (DE)	JP, QZ
Sutera and Jamesbrittenia	TG/SUTERA(proj.2)	Ms. Menne (DE)	AU, CA, GB, NZ, PL, ZA
Tagetes	TG/TAGETE(proj.5)	Mr. Serrato Cruz (MX), Mr. Brand (FR)	DE, GB, HU, IL, KE, KR, MX, PL, QZ, ZA

¹ for name of experts, see List of Participants

DRAFT TEST GUIDELINES TO BE DISCUSSED AT TWO/40

(* indicates possible final draft Test Guidelines)

before May 18, 2007

(Guideline date for Subgroup draft to be circulated by Leading Expert: March 16, 2007

Guideline date for comments to Leading Expert by Subgroup: April 13, 2007)

Species	Basic Document	Leading expert(s)	Interested experts (countries) ²
Anubias	TG/ANUBI(proj.1)	Mr. Thomas Tan (SG)	AU
Bougainvillea	New	Mrs. Eddy-Costa (AU)/ Mr. Jacobsen (DK)	BR, IL, NZ, ZA
Buddleja	TG/BUDDL(proj.2)	Mr. Brand (FR)	AU, GB, HU, NZ, QZ
Canna	TG/CANNA(proj.2)	Mr. Brand (FR)	CN, HU, NL, NZ
Dianthus (Revision)	TG/25/8	Mr. Barendrecht (NL)	GB, IL, JP, KR, QZ
Eucalyptus (part of genus only)	TG/EUCAL(proj.3)	Mrs. de Moraes Aviani (BR)	AU, FR, IL, QZ
Gladiolus (Revision)	TG/108/3	Mr. Barendrecht (NL)	IL, JP, KR, PL, QZ
Gypsophila *	TG/GYPSO(proj.2)	Mr. Bar-Tel (IL)	AU, BR, KE, KR, PL, QZ, ZA
Hawthorn * (<i>Crataegus</i> spp.)	TG/HAWTH(proj.3)	TWF: Mr. Barrientos-Priego (MX)	DE, NL
Heuchera and Heucherella	New	Miss Scott (GB)	AU, CA, NZ, QZ
Hevea* (Rubber)	TG/HEVEA (proj.2 Rev)	Mrs. de Moraes Aviani (BR)	FR, NZ, QZ
Hibiscus	TG/HIBIS(proj.2)	Mrs. Yang (KR)	AU, BR, DE, GB, HU, IL, JP, KE, NZ, ZA
Hosta	New	Mr. Barendrecht (NL)	GB, KR, QZ, ZA
Hydrangea (Revision)	TG/133/3	Mr. Brand (FR)	AU, CA, DE, GB, JP, NZ, QZ, ZA
Kalanchoe* (Revision)	TG/78/4(proj.1)	Ms. Menne (DE)	CA, DK, IL, JP, KR, QZ, ZA
Lily* (Revision)	TG/59/7(proj.1)	Mr. Barendrecht (NL)	AU, BR, CN, GB, IL, JP, KE, KR, QZ, ZA
Mokara	TG/MOKARA(proj.1)	Mrs. Lam-Chan Lee Tiang (SG)	JP
Nemesia*	TG/NEMES(proj.1)	Miss Scott (GB)	AU, CA, JP, NZ, QZ, ZA
Nerium oleander L.*	TG/NERIUM(proj.1)	Mr. Brand (FR)	BR, IL

² for name of experts, see List of Participants

Species	Basic Document	Leading expert(s)	Interested experts (countries) ³
Osteospermum* (Revision)	TG/176/4(proj.1)	Mr. Cormier (CA)	AU, DE, GB, JP, NZ, QZ, ZA
Pelargonium (Revision)	TG/28/8 (Revision)	Mrs. Menne (DE)	AU, CA, JP, KR, PL, QZ, ZA
Phlox	New	Mr. De Greef (NL)/Expert (EC)	CA, GB, QZ, ZA
Poinsettia* (Revision)	TG/24/6(proj.1)	Mr. Jacobsen (DK)	AU, CA, DE, JP, KR, MX, NL, PL, QZ
Portulaca	TG/PORTU(proj.1)	Mr. Yoda (JP)	NL, IL, QZ
Prunus padus	New	Ms. Pete (HU)	QZ
Sweet potato (<i>Ipomoea batatas</i> (L.) Lam.)	TG/SWEETPOT (proj.1)	TWA: Mr. Keun-Jin Choi (KR)	CA, CN, JP, KE, NZ, ZA
Tea*(<i>Camellia sinensis</i> (L.) O. Kuntze)	TG/TEA(proj.3)	TWA: Liang Chen (CN)	GB, JP, KR, NZ, ZA
Vriesea (Vriesia Lindl. Corr. Beer)	New	Mr. De Greef (NL)	BR, NZ, QZ, ZA

DRAFT TEST GUIDELINES TO POSSIBLY BE DISCUSSED IN 2008

Agapanthus	New	Mr. de Villiers (ZA)	AU, GB, IL, NL, NZ
Aechmea	New	Ms. De Moraes Aviani (BR)	NL
<i>Lomandra</i> Labill.	New	Mrs. Eddy-Costa (AU)	GB, NZ, ZA

[End of Annex IV and of document]

³ for name of experts, see List of Participants