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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

DRAFT

PHLOX

UPOV Code: PHLOX_PAN

Phlox paniculata L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from the Netherlands

to be considered by the

*Technical Working Party for Ornamental Plants and Forest Trees
at its fortieth session, to be held in Kunming, China from July 2 to 6, 2007*

Alternative Names:*

| <i>Botanical name</i> | <i>English</i> | <i>French</i> | <i>German</i> | <i>Spanish</i> |
|----------------------------|---|---------------|--------------------|----------------|
| <i>Phlox L.</i> | Phlox | Phlox | Hoher Staudenphlox | |
| <i>Phlox paniculata L.</i> | fall phlox, fall pink, garden phlox, panicked phlox, perennial phlox, perennial pink, summer phlox, sweet William | | | |

The purpose of these guidelines ("Test Guidelines") is to elaborate the principles contained in the General Introduction (document TG/1/3), and its associated TGP documents, into detailed practical guidance for the harmonized examination of distinctness, uniformity and stability (DUS) and, in particular, to identify appropriate characteristics for the examination of DUS and production of harmonized variety descriptions.

ASSOCIATED DOCUMENTS

These Test Guidelines should be read in conjunction with the General Introduction and its associated TGP documents.

* These names were correct at the time of the introduction of these Test Guidelines but may be revised or updated. [Readers are advised to consult the UPOV Code, which can be found on the UPOV Website (www.upov.int), for the latest information.]

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Phlox paniculata* L. of the family Polomoniacaea.

2. Material Required

2.1 The competent authorities decide on the quantity and quality of the plant material required for testing the variety and when and where it is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities and phytosanitary requirements are complied with.

2.2 The material is to be supplied in the form of young plants of commercial standard.

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

25 young plants

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. Method of Examination

3.1 *Number of Growing Cycles*

The minimum duration of tests should normally be a single growing cycle.

3.2 *Testing Place*

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 "Examining Distinctness".

3.3 *Conditions for Conducting the Examination*

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

3.3.2 Unless otherwise stated, all observations should be made at the time of full flowering.

3.3.3 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within

the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background."

3.4 *Test Design*

3.4.1 Each test should be designed to result in a total of at least 20 plants

3.4.2 The design of the tests should be such that plants or parts of plants may be removed for measurement or counting without prejudice to the observations which must be made up to the end of the growing cycle.

3.5 *Number of Plants / Parts of Plants to be Examined*

3.5.1 Unless otherwise indicated, all observations should be made on 10 plants or parts taken from each of 10 plants.

3.6 *Additional Tests*

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 *Distinctness*

4.1.1 General Recommendations

It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.2 Consistent Differences

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

4.1.3 Clear Differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.2 *Uniformity*

4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines:

4.2.2 For the assessment of uniformity, a population standard of 1 % and an acceptance probability of at least 95 % should be applied. In the case of a sample size of 25 plants, 1 off-type is allowed.

4.3 *Stability*

4.3.1 In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, the stability may be tested, either by growing a further generation, or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Plant: height (characteristic 1)
- (b) Leaf: variegation (characteristic 12)
- (c) Corolla: main color of lobes (characteristic 29) White, pink, red, violet, purple, blue
- (d) Corolla: presence of 'eye' (characteristic 30)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 *Categories of Characteristics*

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 *States of Expression and Corresponding Notes*

States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.3 *Types of Expression*

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo-qualitative) is provided in the General Introduction.

6.4 *Example Varieties*

Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

6.5 *Legend*

(*) Asterisked characteristic – see Chapter 6.1.2

QL: Qualitative characteristic – see Chapter 6.3

QN: Quantitative characteristic – see Chapter 6.3

PQ: Pseudo-qualitative characteristic – see Chapter 6.3

(a)-(c) See Explanations on the Table of Characteristics in Chapter 8.1

(+) See Explanations on the Table of Characteristics in Chapter 8.2

7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|---------------|--|--|---|-----------------------|--|---------------|
| 1. G | Plant: height | Plante: hauteur | Pflanze: Hohe | Planta: altura | | |
| (+) | | | | | | |
| QN | (a) short | courte | niedrig | baja | Barfourteen | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | tall | haute | hoch | alta | Landhochzeit | 7 |
| 2. | Stem: thickness on central third | Tige: épaisseur au tiers central | Stiel: Dicke im mittleren Drittel | Tallo: | | |
| QN | (a) thin | fine | dünn | | Becky Towe | 1 |
| | medium | moyenne | mittel | | | 2 |
| | thick | épaisse | dick | | | 3 |
| 3. (*) | Stem: anthocyanin coloration on upper third | Tige: pigmentation anthocyanique au tiers troisième | Stiel: Anthocyanfärbung auf oberen Drittel | | | |
| QL | (a) absent | absente | fehlend | ausente | Becky Towe | 1 |
| | present | présente | vorhanden | presente | Lizzy, Red Feelings | 9 |
| 4. | Stem: intensity of anthocyanin coloration (see 3) | Tige: intensité de la pigmentation anthocyanique (voir 3) | Stiel: Intensität der Anthocyanfärbung | | | |
| QN | (a) weak | faible | gering | | Red Feelings | 3 |
| | medium | moyenne | mittel | | | 5 |
| | strong | forte | stark | | Lizzy | 7 |
| 5. | Stem: length of internode of central third | Tige: longueur de l'entre-noeud au tiers central | Stiel: Länge des Internodiums im mittleren Drittel | | | |
| QN | (a) short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|---------------|--|---|--|---|--|---------------|
| 6. | Leaf: length | Feuille: longueur | Blatt: Länge | Hoja: longitud | | |
| QN (b) | very short | très courte | sehr kurz | muy corta | | 1 |
| | short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |
| | very long | très longue | sehr lang | muy larga | | 9 |
| 7. | Leaf: width | Feuille: largeur | Blatt: Breite | Hoja: anchura | | |
| QN (b) | narrow | étroite | schmal | estrecha | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | broad | large | breit | ancha | | 7 |
| 8. | Leaf: ratio length/ width | Feuille: rapport longueur/largeur | Blatt: Verhältnis Länge/Breite | Hoja: relación longitud/anchura | | |
| QN (b) | small | petit | klein | pequeña | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | large | élevé | groß | grande | | 7 |
| 9. | Leaf: position of broadest part | Feuille: position de la partie la plus large | Blatt: Position der breitesten Stelle | Hoja: posición de la parte más ancha | | |
| QL (b) | lower third | tiers inférieur | im unteren Drittel | en el tercio inferior | Becky Towe | 1 |
| | middle third | tiers médian | im mittleren Drittel | en el tercio medio | Bartwentyeight | 2 |
| | upper third | tiers supérieur | im oberen Drittel | en el tercio superior | | 3 |
| 10. | Leaf: shape in cross section | Feuille: forme en section transversale | Blatt: Form im Querschnitt | | | |
| PQ (b) | concave | concave | konkav | | | 1 |
| | straight | droite | gerade | | | 2 |
| | convex | convex | konvex | | | 3 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|---|---|--|--------------------------------------|--|---------------|
| 11. | Leaf: shape of apex | Feuille: forme du sommet | Blatt: Form der Spitze | Hoja: forma del ápice | | |
| QL | (b) acuminate | acuminé | mit aufgesetzter Spitze | acuminado | Bartwentyeight | 1 |
| | acute | aigu | spitz | agudo | Becky Towe | 2 |
| 12. | G Leaf: variegation | Feuille: panachure | Blatt: Panaschierung | Hoja: variegado | | |
| QL | (b) absent | absente | fehlend | ausente | Bartwentyeight, Lizzy | 1 |
| | present | présente | vorhanden | presente | Becky Towe, Elisabeth | 9 |
| 13. | Leaf: green color of upper side | Feuille: couleur principale de la face supérieure | Blatt: Hauptfarbe der Oberseite | Hoja: color principal del haz | | |
| PQ | (b) yellow green | vert-jaune | gelbgrün | verde amarillento | | 1 |
| | light green | vert clair | hellgrün | verde claro | | 2 |
| | medium green | vert moyen | mittelgrün | verde medio | | 3 |
| | dark green | vert foncé | dunkelgrün | verde oscuro | | 4 |
| | grey green | gris vert | graugrün | verde-gris | | 5 |
| 14. | Leaf: anthocyanin coloration on upper side | Feuille: pigmentation anthocyanique de la face supérieur | Blatt: Anthocyanfarbung der Oberseite | Hoja: | | |
| QN | (b) absent or weak | nulle ou faible | fehlend oder gering | ausente o débil | Becky Towe | 1 |
| | medium | moyenne | mittel | media | Rubymine | 2 |
| | strong | forte | stark | fuerte | | 3 |
| 15. | Leaf: undulation of margin | Feuille: | Blatt: | Hoja: | | |
| QN | (b) absent or weak | nulle ou faible | fehlend oder gering | ausente o débil | | 1 |
| | medium | moyenne | mittel | media | | 2 |
| | strong | forte | stark | fuerte | | 3 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|--|---|----------------------------------|--|---------------|
| 16. | Inflorescence: number of flowers | Inflorescence: nombre de fleurs | Blütenstand: Anzahl der Blüten | Rama floral: longitud | | |
| QN | (c) few | faible | gering | bajo | Barfive | 3 |
| | medium | moyen | mittel | media | | 5 |
| | many | élevé | gross | alto | Barnine, Bareleven | 7 |
| 17. | Flower: diameter | Fleur: diamètre | Blüte: Durchmesser | Floral: | | |
| QN | (c) small | petit | klein | pequeña | Red Feelings | 3 |
| | medium | moyen | mittel | media | | 5 |
| | large | élevé | groß | grande | | 7 |
| 18. | PediceI: length | PediceI: longueur | Blütenstiel: Länge | | | |
| QN | (c) very short | très courte | sehr kurz | muy corta | | 1 |
| | short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |
| | very long | très longue | sehr lang | muy larga | | 9 |
| 19. | PediceI: anthocyanin coloration | PediceI: pigmentation anthocyanique | Blütenstiel: Anthocyanfarbung | | | |
| QL | (c) absent | absente | fehlend | ausente | Elisabeth, Esm Indigo | 1 |
| | present | présente | vorhanden | presente | Barthirtyfive, Esm Egeo | 9 |
| 20. | Calyx: length | Calice: longueur | Kelch: Länge | | | |
| QN | (c) very short | très courte | sehr kurz | muy corta | | 1 |
| | short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |
| | very long | très longue | sehr lang | muy larga | | 9 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|---|---|---|--|--|---------------|
| 21. | Calyx: anthocyanin coloration | Calice: pigmentation anthocyanique | Kelch: Anthocyanfarbung | | | |
| QL | (c) absent | absente | fehlend | ausente | Elisabeth, Barthirtysix | 1 |
| | present | présente | vorhanden | presente | Esm Indigo | 9 |
| 22. | Flower: petals | | | | | |
| QL | (c) absent or nearly absent | absente ou quasi absente | fehlend oder fast fehlend | | Empty Feelings | 1 |
| | present | présente | vorhanden | | Elisabeth | 9 |
| 23. | Corolla: length of tube | Corolle: longueur du tube | Krone: Länge der Röhre | | | |
| (+) | | | | | | |
| QN | (c) very short | très courte | sehr kurz | muy corta | | 1 |
| | short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |
| | very long | très longue | sehr lang | muy larga | | 9 |
| 24. | Corolla: diameter of tube just below lobes | Corolle: diamètre du tube | Krone: Durchmesser der Röhre | | | |
| (+) | | | | | | |
| QN | (c) very small | très petit | sehr klein | muy pequeña | | 1 |
| | small | petit | klein | pequeña | | 3 |
| | medium | moyen | mittel | media | | 5 |
| | large | élevé | groß | grande | | 7 |
| | very large | très élevé | sehr groß | muy grande | | 9 |
| 25. | Corolla: color of tube | Corolle: couleur du tube | Krone: Farbe der Röhre | | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
|------------|--|---|--|--|--|---------------|
| 26. | Corolla: length of lobes | Corolle: longueur des lobes | Krone: Länge der Zipfel | | | |
| (+) | | | | | | |
| QN | (c) very short | très courte | sehr kurz | muy corta | | 1 |
| | short | courte | kurz | corta | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | long | longue | lang | larga | | 7 |
| | very long | très longue | sehr lang | muy larga | | 9 |
| 27. | Corolla: width of lobes | Corolle: largeur des lobes | Krone: Breite der Zipfel | | | |
| (+) | | | | | | |
| QN | (c) very narrow | très étroite | sehr schmal | muy estrecha | | 1 |
| | narrow | étroite | schmal | estrecha | | 3 |
| | medium | moyenne | mittel | media | | 5 |
| | broad | large | breit | ancha | | 7 |
| | very broad | très large | sehr breit | muy ancha | | 9 |
| 28. | Corolla: shape of lobes | Corolle: forme des lobes | Krone: Form der Zipfel | | | |
| (+) | | | | | | |
| PQ | (c) elliptic | | | | | 1 |
| | broad elliptic | | | | Lizzy | 2 |
| | obovate | | | | Bartwenty-nine | 3 |
| | obdeltoid | | | | Bartwenty-eight | 4 |
| 29. | G Corolla: main color of lobe of upper side | Corolle: couleur principale des lobes de la face supérieur | Krone: Hauptfarbe der Zipfel an der Oberseite | | | |
| (+) | | | | | | |
| PQ | (c) RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota | |
|------------|----------|--|---|--|--|-----------------------------|---|
| 30. | G | Corolla: presence of 'eye' | Corolle: présence de 'l'oeil' | Krone: Vorhandensein von die 'Auge' | | | |
| (+) | | | | | | | |
| QL | (c) | absent | absente | fehlend | ausente | Elisabeth, Barthirtynine | 1 |
| | | present | présente | vorhanden | presente | Becky Towe, Rubymine | 9 |
| 31. | | Corolla: color of 'eye' | Corolle: couleur de 'l'oeil' | Krone: Farbe von die Auge | | | |
| (+) | | | | | | | |
| PQ | (c) | RHS Colour Chart (indicate reference number) | Code RHS des couleurs (indiquer le numéro de référence) | RHS-Farbkarte (Nummer angeben) | Carta de colores RHS (indíquese el número de referencia) | | |
| 32. | | Anther: color | Anthère: couleur | Anthere: Farbe | | | |
| PQ | (c) | white | blanche | weiss | | Elisabeth, Barthirtysix | 1 |
| | | light yellow | jaune clair | hellgelb | | Esm Egeo | 2 |
| | | light green | vert clair | hellgrün | | | 3 |
| 33. | | Style: color | | | | | |
| PQ | (c) | white | blanche | weiss | | | 1 |
| | | light yellow | jaune clair | hell gelb | | Becky Towe | 2 |
| | | light green | vert clair | hell grün | | Ruby Mine | 3 |
| | | purple red | poupre rouge | | | Lizzy, Goldmine | 4 |

8. Explanations on the Table of Characteristics

8.1 *Explanations covering several characteristics*

Characteristics containing the following key in the second column of the Table of Characteristics should be examined as indicated below:

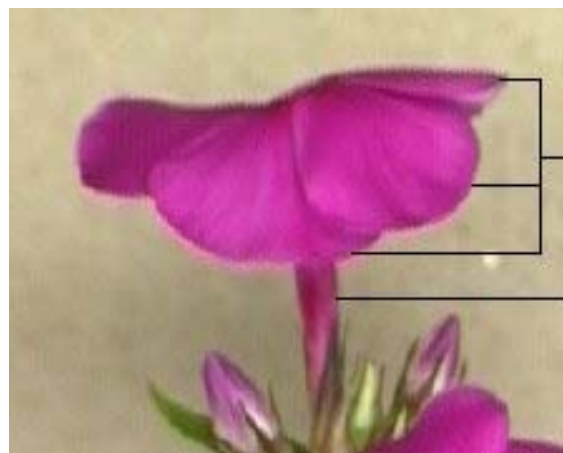
- (a) Observations on plant and stem should be made when 50 % of flowers have opened on the first flower head.
- (b) Observations on leaves should be made on fully expanded leaves taken from the middle third of the flowering shoot.
- (c) Observations on flowers should be made on fully expanded flowers when 50 % of flowers have opened.

8.2 *Explanations for individual characteristics*

Ad. 1: Plant: height (1).

Plant height including flowers should be measured from soil level to the top of the plant including the flowers.

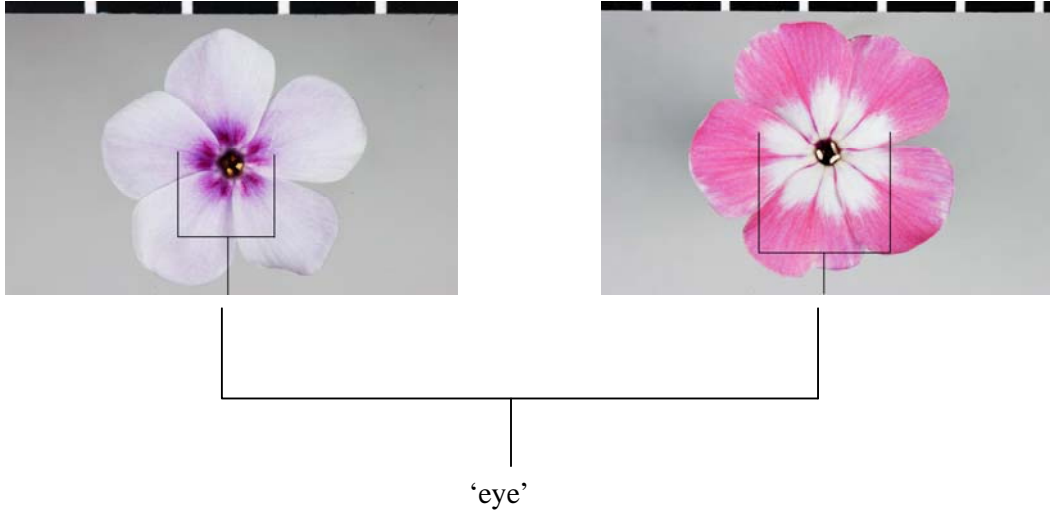
Ad. 22, 23, 24, 25, 26, 27, 28: Corolla: length of tube (22), Corolla: width of tube (23), Corolla: color of tube (24), Corolla: length of lobes (25), Corolla width of lobes (26), Corolla width of lobes (27), Corolla: color of lobes (28)



Lobes

Tube

Ad. 29, 30: Corolla: presence of 'eye' (29), Corolla: color of 'eye' (30)



9. Literature

Fuchs, Hermann., 1994: Phlox, Stauden- und Polsterphloxe, Eugen Ulmer Verlag, Stuttgart.

Cheers, Gordon., 2004: The encyclopedia of garden flowers, Global Book Publishing Pty Ltd

10. Technical Questionnaire

| | | |
|--|--|---|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
| | | Application date: (not to be filled in by the applicant) |
| TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights | | |
| 1. Subject of the Technical Questionnaire | | |
| 1.1 Botanical name | <input type="text" value="Phlox paniculata L."/> | |
| 1.2 Common name | <input type="text" value="Phlox"/> | |
| 2. Applicant | | |
| Name | <input type="text"/> | |
| Address | <input type="text"/> | |
| Telephone No. | <input type="text"/> | |
| Fax No. | <input type="text"/> | |
| E-mail address | <input type="text"/> | |
| Breeder (if different from applicant) | <input type="text"/> | |
| 3. Proposed denomination and breeder's reference | | |
| Proposed denomination (if available) | <input type="text"/> | |
| Breeder's reference | <input type="text"/> | |

| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
|---|-----------------|-------------------|
| <p>#4. Information on the breeding scheme and propagation of the variety</p> <p>4.1 Breeding scheme</p> <p>Variety resulting from:</p> <p>4.1.1 Crossing</p> <p style="margin-left: 40px;">(a) controlled cross [] (please state parent varieties)</p> <p style="margin-left: 40px;">(b) partially known cross [] (please state known parent variety(ies))</p> <p style="margin-left: 40px;">(c) unknown cross []</p> <p>4.1.2 Mutation [] (please state parent variety)</p> <p>4.1.3 Discovery and development [] (please state where and when discovered and how developed)</p> <p>4.1.4 Other [] (please provide details)"</p> <div style="border: 1px solid black; height: 30px; width: 400px; margin: 10px auto;"></div> <p>4.2 Method of propagating the variety</p> <p>4.2.1 Vegetative propagation</p> <p style="margin-left: 40px;">(a) cuttings []</p> <p style="margin-left: 40px;">(b) <i>in vitro</i> propagation []</p> <p style="margin-left: 40px;">(c) other (state method) []</p> | | |

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

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| <p>5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).</p> | | |
| Characteristics | Example Varieties | Note |
| <p>5.1 Plant: height (1)</p> <p>short</p> <p>medium</p> <p>tall</p> | | <p>1[]</p> <p>2[]</p> <p>3[]</p> |
| <p>5.2 Leaf: variegation (12)</p> <p>absent</p> <p>present</p> | | <p>1[]</p> <p>9[]</p> |
| <p>5.3 Corolla: main color of lobes (29)</p> <p>white</p> <p>pink</p> <p>red</p> <p>violet</p> <p>purple red</p> <p>purple</p> | | <p>1[]</p> <p>2[]</p> <p>3[]</p> <p>4[]</p> <p>5[]</p> <p>6[]</p> |
| <p>5.4 Corolla: presence of 'eye' (30)</p> <p>absent</p> <p>present</p> | | <p>1[]</p> <p>9[]</p> |

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| <p>6. Similar varieties and differences from these varieties</p> <p><i>Please use the following table and box for comments to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.</i></p> | | | |
| Denomination(s) of variety(ies) similar to your candidate variety | Characteristic(s) in which your candidate variety differs from the similar variety(ies) | Describe the expression of the characteristic(s) for the similar variety(ies) | Describe the expression of the characteristic(s) for your candidate variety |
| <i>Example</i> | <i>Plant: height</i> | <i>short</i> | <i>tall</i> |
| | | | |
| | | | |
| <p>Comments:</p> | | | |

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|---|-----------------|-------------------|--|---------|--------|---|---------|--------|--------------------|---------|--------|-------------------|---------|--------|
| <p>9. Information on plant material to be examined or submitted for examination.</p> <p>9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.</p> <p>9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:</p> <table data-bbox="331 783 1382 1024"> <tbody> <tr> <td>(a) Microorganisms (e.g. virus, bacteria, phytoplasma)</td> <td>Yes []</td> <td>No []</td> </tr> <tr> <td>(b) Chemical treatment (e.g. growth retardant, pesticide)</td> <td>Yes []</td> <td>No []</td> </tr> <tr> <td>(c) Tissue culture</td> <td>Yes []</td> <td>No []</td> </tr> <tr> <td>(d) Other factors</td> <td>Yes []</td> <td>No []</td> </tr> </tbody> </table> <p>Please provide details for where you have indicated “yes”.</p> <p>.....</p> | | | (a) Microorganisms (e.g. virus, bacteria, phytoplasma) | Yes [] | No [] | (b) Chemical treatment (e.g. growth retardant, pesticide) | Yes [] | No [] | (c) Tissue culture | Yes [] | No [] | (d) Other factors | Yes [] | No [] |
| (a) Microorganisms (e.g. virus, bacteria, phytoplasma) | Yes [] | No [] | | | | | | | | | | | | |
| (b) Chemical treatment (e.g. growth retardant, pesticide) | Yes [] | No [] | | | | | | | | | | | | |
| (c) Tissue culture | Yes [] | No [] | | | | | | | | | | | | |
| (d) Other factors | Yes [] | No [] | | | | | | | | | | | | |
| <p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:</p> <p>Applicant's name <input data-bbox="570 1367 1398 1419" type="text"/></p> <p>Signature <input data-bbox="461 1440 984 1493" type="text"/> Date <input data-bbox="1127 1440 1398 1493" type="text"/></p> | | | | | | | | | | | | | | |

[End of document]