

UPOV

TG/IMPWALL(proj.1)

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

BUSYLIZZIE

Impatiens walleriana Hook.f.

*

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

*to be considered by the
Technical Working Party for Ornamental Plants and Forest Trees
at its thirty-sixth session,
to be held in Niagara Falls, Canada, from September 22 to 26, 2003*

Alternative Names: *

| <i>Latin</i> | <i>English</i> | <i>French</i> | <i>German</i> | <i>Spanish</i> |
|--|----------------|---------------|--------------------|----------------|
| <i>Impatiens walleriana</i> Hook.f. | BusyLizzie | Impatiens | Fleißiges Lieschen | |

ASSOCIATED DOCUMENTS

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as 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.]

| <u>TABLEOFCONTENTS</u> | <u>PAGE</u> |
|---|-------------|
| 1. SUBJECTOFTHESITES TGUIDELINES | 3 |
| 2. MATERIALREQUIRED | 3 |
| 3. METHODOFEXAMINATION | 3 |
| 3.1 DurationofTests | 3 |
| 3.2 TestingPlace | 3 |
| 3.3 ConditionsforConductingtheExamination | 3 |
| 3.4 TestDesign | 4 |
| 3.5 NumberofPlants/PartsofPlantstobeExamined | 4 |
| 3.6 AdditionalTests | 4 |
| 4. ASSESSMENTOFDISTINCTNESS,UNIFORMITYANDSTABILITY | 5 |
| 4.1 Distinctness | 5 |
| 4.2 Uniformity | 5 |
| 4.3 Stability | 5 |
| 5. GROUPINGOFVARIETIESANDORGANIZATIONOFTHEGROWINGTRIAL | 6 |
| 6. INTRODUCTIONTOTHE TABLEOFCHARACTERISTICS | 6 |
| 6.1 CategoriesofCharacteristics | 6 |
| 6.2 StatesofExpressionandCorrespondingNotes | 7 |
| 6.3 TypesofExpression | 7 |
| 6.4 ExampleVarieties | 7 |
| 6.5 Legend | 7 |
| 7. TABLEOFCHARACTERISTICS/TABLEAUXDES CARACTÈRES/MERKMALSTABELLE/TABLADECARACTERES | 8 |
| 8. EXPLANATIONSONTHE TABLEOFCHARACTERISTICS | 15 |
| 9. LITERATURE | 17 |
| 10. TECHNICALQUESTIONNAIRE | 18 |

1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Impatiens walleriana* Hook. f. of the family Balsaminaceae.

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 must be supplied in the form of rooted cuttings or seeds.

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

–for vegetatively propagated varieties: 20 rooted cuttings;

–for seed propagated varieties: 1 gram of seed, preferably supplied in 4 portions.

2.4 In the case of seed, the seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority. In cases where the seed is to be stored, the germination capacity should be as high as possible and should be stated by the applicant.

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

2.6 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 *Duration of Tests*

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

3.2 *Testing Place*

The tests should normally be conducted at one place. If any characteristics of the variety, which are relevant for the examination of DUS, cannot be observed at that place, the variety may be tested at an additional place.

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 Stage of development for the assessment

The optimum stage of development for the assessment of the characteristics is the time of full flowering.

3.3.3 Type of observation – visual or measurement

The recommended method of observing the characteristic is indicated by the following key in the second column of the Table of Characteristics:

MS: measurement of a number of individual plants or parts of plants

VG: visual assessment by a single observation of a group of plants or parts of plants

3.3.4 Type of plot for observation

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 In the case of vegetatively propagated varieties, each test should be designed to result in a total of at least 20 plants.

3.4.2 In the case of seed propagated varieties, each test should be designed to result in a total of at least 40 plants.

3.4.3 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 on single plants of vegetatively propagated varieties should be made on 10 plants or parts taken from each of 10 plants or parts taken from each of 10 plants and any other observations made on all plants in the test.

3.5.2 Unless otherwise indicated, all observations on single plants of seed propagated varieties 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.

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 minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a characteristic are sufficiently consistent:

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 of vegetatively-propagated varieties and 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, 1 off-type is allowed. In the case of a sample size of 40 plants, 2 off-types are allowed.

4.2.3 For the assessment of uniformity of seed-propagated varieties which are cross-pollinated or are hybrids, the recommendations in the General Introduction for cross-pollinated or hybrid varieties should be followed, as appropriate.

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, stability may be tested, either by growing a further generation, or by testing a new seed or 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 is 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 others 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 trials so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

- (a) Leaf: venation (characteristic 7)
- (b) Flower: type (characteristic 15)
- (c) Flower: number of colors (eye zone excluded) (characteristic 17)
- (d) Flower: main color (characteristic 18) with the following groups:
 - Gr.1: white
 - Gr.2: yellow
 - Gr.3: pink
 - Gr.4: blue pink
 - Gr.5: orange
 - Gr.6: red
 - Gr.7: purple
 - Gr.8: violet
 - Gr.9: other color

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. d

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 Section 6.1.2

(QL) Qualitative characteristic –see Section 6.3

(QN) Quantitative characteristic –see Section 6.3

(PQ) Pseudo-qualitative characteristic –see Section 6.3

(+) See Explanations on the Table of Characteristics in Chapter 8

7. TableofCharacteristics/Tableaudecaractères/Merkmalstabelle/Tabladecaracteres

| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|------------------|---|---|---|---------|--|---------------|
| 1. MS (*) | Plant:heightof foliage | Plante:hauteurdu feuillage | Pflanze:Höheder Laubzone | | | |
| QN | low | basse | niedrig | | Camela | 3 |
| | medium | moyenne | mittel | | DidiOrare | 5 |
| | high | haute | hoch | | Tilav | 7 |
| 2. MS (*) | Plant:width | Plante:largeur | Pflanze:Breite | | | |
| QN | narrow | étroite | schmal | | | 3 |
| | medium | moyenne | mittel | | Camela | 5 |
| | broad | large | breit | | DidiOrare | 7 |
| 3. VG | Shoot:anthocyanin coloration(atupper thirdofshoot) | Pousse: pigmentation anthocyanique(sur letierssupérieur d'unepousse) | Trieb: Anthozyanfärbung (imoberenDrittel desTriebes) | | | |
| QN | absentorveryweak | absenteoutrèsfaible | fehlendodersehr gering | | Camela | 1 |
| | weak | faible | gering | | Balfiesala | 3 |
| | medium | moyenne | mittel | | DidiCarmine | 5 |
| | strong | forte | stark | | | 7 |
| | verystrong | trèsforte | sehrstark | | | 9 |
| 4. MS (*) | Leaf:length (includingpetiole) | Feuille:longueur (pétiolecompris) | Blatt:Länge (einschließlich Blattstiel) | | | |
| QN | short | courte | kurz | | Balfiesala | 3 |
| | medium | moyenne | mittel | | Balfiesaci | 5 |
| | long | longue | lang | | DidiOrare | 7 |

| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|---------------------------|--|---|---|---------|--|---------------|
| 5. MS (*) | Leaf:width | Feuille:largeur | Blatt:Breite | | | |
| QN | narrow | étroite | schmal | | Tiwhite | 3 |
| | medium | moyenne | mittel | | Camela | 5 |
| | broad | large | breit | | DidiOrare | 7 |
| 6. MS | Leaf:ratio length/width | Feuille:rapport longueur/largeur | Blatt:Verhältnis Länge/Breite | | | |
| QN | small | petit | klein | | | 3 |
| | medium | moyen | mittel | | Camela | 5 |
| | large | grand | groß | | SnowandIce | 7 |
| 7. VG (*) | Leaf:variegation | Feuille:panachure | Blatt: Panaschierung | | | |
| QL | absent | absente | fehlend | | | 1 |
| | present | présente | vorhanden | | | 9 |
| 8. VG PQ | <u>Varietieswith variegationonly:</u> Leaf:maincolorof upperside | <u>Seulementles variétésavec ornementation</u> Feuille:principale couleurdelapartie supérieure | <u>NurSortenmit Panaschierung:</u> Blatt:Hauptfarbe derOberseite | | | |
| | lightgreen | vertclair | hellgrün | | | 1 |
| | mediumgreen | vertmoyen | mittelgrün | | | 2 |
| | darkgreen | vertfoncé | dunkelgrün | | | 3 |
| | bluegreen | vertbleu | blaugrün | | | 4 |
| 9. VG PQ | <u>Varietieswith variegationonly:</u> Leaf:secondary colorofupperside | <u>Seulementles variétésavec ornementation</u> Feuille:couleur secondairedela partiesupérieure | <u>NurSortenmit Panaschierung:</u> Blatt: Sekundärfarbeder Oberseite | | | |
| | white | blanc | weiß | | | 1 |
| | yellowishwhite | | gelblichweiß | | | 2 |
| | yellow | jaune | gelb | | | 3 |
| | lightgreen | vertclair | hellgrün | | | 4 |

| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|----------------------|--|--|---|---------|--|---------------|
| 10. VG PQ | <u>Varietieswithout variegationonly:</u> Leaf:colorofupper side | <u>Seulementles variétésans ornementation</u> Feuille:couleurde lapartiesupérieure | <u>NurSortenohne Panaschierung:</u> Blatt:Farbeder Oberseite | | | |
| | lightgreen | vertclair | hellgrün | | | 1 |
| | mediumgreen | vertmoyen | mittelgrün | | Camela | 2 |
| | darkgreen | vertfoncé | dunkelgrün | | DidiCarmine | 3 |
| | red | rouge | rot | | | 4 |
| 11. VG PQ | <u>Varietieswithout variegationonly:</u> Leaf:coloroflower sidebetweenveins | <u>Seulementles variétésans ornementation</u> Feuille:couleurde lafaceinférieure entrelesnervures | <u>NurSortenohne Panaschierung:</u> Blatt:Farbeder Unterseitezwischen denAdern | | | |
| | green | verte | grün | | | 1 |
| | greenandred | verteetrouge | grünundrot | | | 2 |
| | red | rouge | rot | | | 3 |
| 12. VG QL | <u>Varietieswithout variegationonly:</u> Leaf:colorofveins onlowside | <u>Seulementles variétésans ornementation</u> Feuille:couleurdes nervuresurlaface inférieure | <u>NurSortenohne Panaschierung:</u> Blatt:Farbe der Adernaufder Unterseite | | | |
| | green | vertes | grün | | | 1 |
| | red | rouges | rot | | | 2 |
| 13. VG QN | Petiole:anthocyanin colorationofupper side | Pétiole: pigmentation anthocyaniquesur lafacesupérieure | Blattstiel: Anthozyanfärbung derOberseite | | | |
| | absentorveryweak | absentoutrèsfaible | fehlendodersehr gering | | Camela | 1 |
| | weak | faible | gering | | DidiCarmine | 3 |
| | medium | moyenne | mittel | | DidiOrare | 5 |
| | strong | forte | stark | | | 7 |
| | verystrong | trèsforte | sehrstark | | | 9 |

| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|---|--|--|---|---------|--|---------------|
| 14. VG QN | Peduncle: anthocyanin colorationo fupper side | Pédoncule: pigmentation anthocyaniquesur lafacesupérieure | Blütenstiel: Anthozyanfärbung derOberseite | | | |
| | absentorveryweak | absentoutrèsfaible | fehlendodersehr gering | | Camela | 1 |
| | weak | faible | gering | | Tilav | 3 |
| | medium | moyenne | mittel | | | 5 |
| | strong | forte | stark | | | 7 |
| | verystrong | trèsforte | sehrstark | | | 9 |
| 15. VG (*) | Flower:type | Fleur:type | Blüte:Typ | | | |
| QL | single | simple | einfach | | Gumbo | 1 |
| | double | double | gefüllt | | Camela | 2 |
| 16. MS (*) (+) | Flower:width | Fleur:largeur | Blüte:Breite | | | |
| QN | narrow | étroite | schmal | | Balfiesala | 3 |
| | medium | moyen | mittel | | Tilav | 5 |
| | broad | large | breit | | | 7 |
| 17. VG (*) (+) | Flower:numberof colors(eyezone excluded) | Fleur:nombrede couleurs(zonede l'œil'exclue) | Blüte:Anzahl Farben(Augenzone ausgenommen) | | | |
| QL | one | une | eine | | | 1 |
| | two | deux | zwei | | | 2 |
| | morethantwo | plusedeux | mehralszwei | | | 3 |

| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|--|--|--|---|---------|--|---------------|
| 18. VG (*) | Flower:maincolor | Fleur:couleur principale | Blüte:Hauptfarbe | | | |
| PQ | RHSColourChart (indicatereference number) | CodeRHSdes couleurs(indiquerle numéroderéférence) | RHSFarbkarte (Nummerangeben) | | | |
| 19. VG (*) | <u>Varietieswithbi -or multicoloredflowers only:</u> Flower:secondary color | <u>Seulementles variétésàfleurs bicoloresou multicolores:</u> Fleur:couleur secondaire | <u>NurSortenmit zwei-oder mehrfarbigen Blüten:</u> Blüte: Sekundärfarbe | | | |
| PQ | RHSColourChart (indicatereference number) | CodeRHSdes couleurs(indiquerle numéroderéférence) | RHSFarbkarte (Nummerangeben) | | | |
| 20. VG (*) (+) QL | <u>Varietieswithbi -or multicoloredflowers only:</u> Flower:distribution ofsecondarycolor | <u>Seulementles variétésàfleurs bicoloresou multicolores:</u> Fleur:répartitionde secondairecouleur | <u>NurSortenmit zwei-oder mehrfarbigen Blüten:</u> Blüte:Verteilung derSekundärfarbe | | | |
| | onwholesurfaceof upperpetalonly | surtoutelasurfacede pétalésupérieur seulement | ganzflächignurauf demoberen Blütenblatt | | | 1 |
| | atbaseofallpetals | | anderBasisaller Blütenblätter | | | 2 |
| | alongmid -ribofall petals | | entlangder Mittelrippealler Blütenblätter | | | 3 |
| | alongedgeofall petals | | amRandaller Blütenblätter | | | 4 |
| | irregularlydistributed onallpetals | | unregelmäßigverteilt aufallen Blütenblättern | | | 5 |
| 21. VG (*) (+) QL | <u>Varietieswithsingle floweronly:</u> Flower:presenceof eyezone | <u>Seulementles variétésàfleur s simples:</u> Fleur:présence d'unezonedel'œil | <u>NurSortenmit einfachenBlüten:</u> Blüte: Vorhandenseineiner Augenzone | | | |
| | absent | absente | fehlend | | | 1 |
| | present | présente | vorhanden | | | 9 |

| | English | français | deutsch | español | Example Varieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|---|---|--|--|---------|---|---------------|
| 22. VG QN | <u>Varietieswitheye zoneonly:</u> Flower:sizeofeye zone | <u>Seulementles variétésàzonedel'</u> <u>œil:</u> Fleur:tailledela zonedel'œil | <u>NurSortenmit Augenzone:</u> Blüte:Größeder Augenzone | | | |
| | small | petite | klein | | | 3 |
| | medium | moyenne | mittel | | | 5 |
| | large | grande | groß | | | 7 |
| 23. VG PQ | <u>Varietieswitheye zoneonly:</u> Flower:colorofeye zone | <u>Seulementles variétésàzonedel'</u> <u>œil:</u> Fleur:couleurdela zonedel'œil | <u>NurSortenmit Augenzone:</u> Blüte:Farbeder Augenzone | | | |
| | white | blanc | weiß | | | 1 |
| | yellow | jeune | gelb | | | 2 |
| | pink | | rosa | | | 3 |
| | red | | rot | | | 4 |
| | purple | | purpur | | | 5 |
| | violet | | violet | | | 6 |
| | whiteandpink | | weißundrosa | | | 7 |
| | whiteandred | | weißundrot | | | 8 |
| 24. MS (+) or VG | <u>Varietieswithsingle floweronly: Upper petal:width</u> | <u>Seulementles variétésàfleurs simples:</u> Pétalesupérieur: largeur | <u>Nureinfach blühendeSorten:</u> OberesBlütenblatt: Breite | | | |
| QN | narrow | étroite | schmal | | | 3 |
| | medium | moyenne | mittel | | | 5 |
| | broad | large | breit | | | 7 |

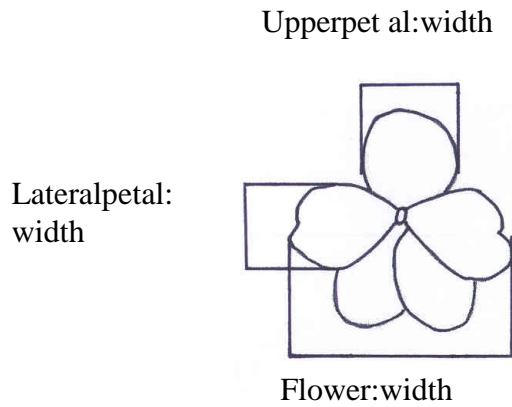
| | English | français | deutsch | español | ExampleVarieties Exemples Beispielssorten Variedadesejemplo | Note/ Nota |
|------------|-----------|-----------------------------------|---|--|--|---------------|
| 25. | MS | <u>Varietieswithsingle</u> | <u>Seulementles</u> | <u>Nureinfach</u> | | |
| (+) | or | <u>flowersonly:</u> | <u>variétésàfleurs</u> | <u>blühendeSorten:</u> | | |
| QN | VG | Lateralpetal:width | <u>simples:</u> Pétalela téral: largeur | Seitliches Blütenblatt:Breite | | |
| | | narrow | étroite | schmal | | 3 |
| | | medium | moyenne | mittel | | 5 |
| | | broad | large | breit | | 7 |
| 26. | VG | <u>Seedpropagated</u> | <u>Seulementles</u> | <u>Nur</u> | | |
| QN | | <u>varietiesonly:</u> | <u>variétésà</u> | <u>samenvermehrte</u> | | |
| | | Timeofbeginningof | <u>multiplication</u> | Sorten: | | |
| | | flowering | <u>sexuée:</u> Epoquededébutde lafloraison | Zeitpunktdes Blühbeginns | | |
| | | early | précoce | früh | | 3 |
| | | medium | moyenne | mittel | | 5 |
| | | late | tardive | spät | | 7 |

8. ExplanationsontheTableofCharacteristics

Ad.16Flower:width

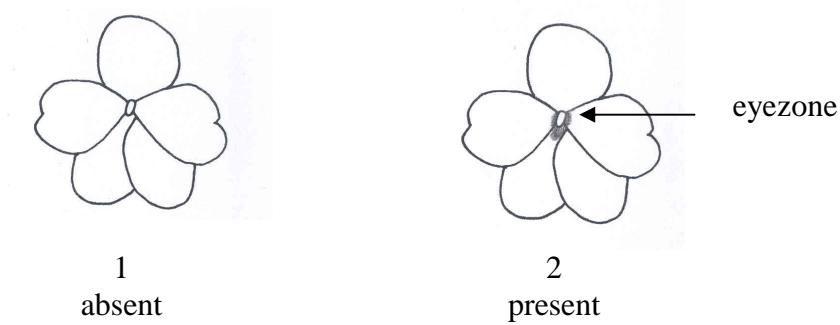
Ad.24:Varietieswithsinglefloweronly:Upperpetal:width

Ad.25:Varietieswithsinglefloweronly:Lateralpetal:width

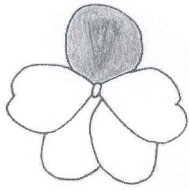


Ad.17:Flower:numberofcolors(eyezoneexcluded)

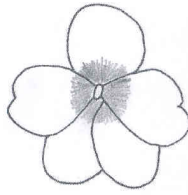
Ad.21:Varietieswithsimplefloweronly:Flower:presenceofeyezone



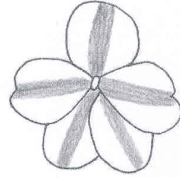
Ad. 20: Varieties with bi- or multicolored flowers only: Flower: distribution of secondary color



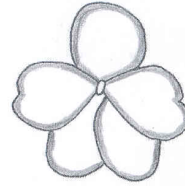
1
on whole surface
of upper petal
only



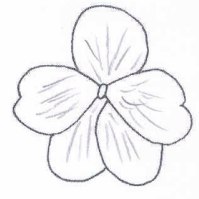
2
at base of all
petals



3
along mid-rib of
all petals



4
along edge of all
petals



5
irregularly
distributed on
all petals

9. Literature

Nospecificliterature

10. TechnicalQuestionnaire

| | | |
|---|---|--|
| TECHNICALQUESTIONNAIRE | Page{x}of{y} | ReferenceNumber: |
| | | Applicationdate: (not to be filled in by the applicant) |
| TECHNICALQUESTIONNAIRE tobecompletedinconnectionwithanapplicationforplantbreeders'rights | | |
| 1. SubjectoftheTechnicalQuestionnaire | | |
| 1.1 LatinName | <input type="text" value="Impatienswalleriana HookF."/> | |
| 1.2 CommonName | <input type="text" value="BuzyLizzie"/> | |
| 2. Applicant | | |
| Name | <input type="text"/> | |
| Address | <input type="text"/> | |
| TelephoneNo. | <input type="text"/> | |
| FaxNo. | <input type="text"/> | |
| E-mailaddress | <input type="text"/> | |
| Breeder(ifdifferentfromapplicant) | <input type="text"/> | |
| 3. Proposeddenominationandbreeder'sreference | | |
| Proposeddenomination (ifavailable) | <input type="text"/> | |
| Breeder'sreference | <input type="text"/> | |

| | | |
|------------------------|--------------|------------------|
| TECHNICALQUESTIONNAIRE | Page{x}of{y} | ReferenceNumber: |
|------------------------|--------------|------------------|

4. Informationonthebreedingschemeandpropagationofthevariety

4.1 Breedingscheme

Varietyresultingfrom:

4.1.1 Crossing

- (a) controlledcross
(pleasestateparentvarieties)
- (b) partiallyknown cross
(pleasestateknownparentvariety(ies))
- (c) totallyunknowncross

4.1.2 Mutation
(pleasestateparentvariety)

4.1.3 Discovery
(pleasestatewhere,whenandhowdeveloped)

4.1.4 Other
(pleaseprovidedetails)

4.2 Methodofpropagatingthevariety

4.2.1 Vegetativepropagation

- (a) cuttings
- (a) *invitro* propagation
- (a) other(statemethod)

4.2.2 Seed

4.2.3 Other
(pleaseprovidedetails)

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).

| Characteristics | Example Varieties | Note |
|---|-------------------|------|
| 5.1 Leaf:variegation (7) | | |
| absent | | 1[] |
| present | | 9[] |
| 5.2 Flower:type (15) | | |
| single | | 1[] |
| double | | 2[] |
| 5.3 Flower:width (16) | | |
| narrow | | 3[] |
| medium | | 5[] |
| broad | | 7[] |
| 5.4 Flower:numberofcolors(eyezoneexcluded) (17) | | |
| one | | 1[] |
| two | | 2[] |
| morethantwo | | 3[] |
| 5.5i Flower:maincolor (18) | | |
| RHSColourChart(indicatorreferencenumber) | | |

| | Characteristics | Example Varieties | Note |
|-----------------------------|---|-------------------|------|
| 5.5ii (18) | Flower:maincolor | | |
| | white | | 1[] |
| | yellow | | 2[] |
| | pink | | 3[] |
| | bluepink | | 4[] |
| | orange | | 5[] |
| | red | | 6[] |
| | purple | | 7[] |
| | violet | | 8[] |
| | othercolor(indicate) | | |
| 5.6i (19) | Varietieswithbi -ormulticoloredflowersonly: flower:secondarycolor | | |
| | RHSColourChart(indicatereferencenumber) | | |
| 5.6ii (19) | Varietieswith bi-ormulticoloredflowersonly: Flower:secondarycolor | | |
| | white | | 1[] |
| | pink | | 2[] |
| | red | | 3[] |
| | violet | | 4[] |
| | othercolor(indicate) | | 5[] |
| 5.7 (20) | Varietieswithbi -ormulticoloredflowersonly:Flower: distributionofsecondary color | | |
| | onwholesurfaceofupperpetalonly | | 1[] |
| | atbaseofallpetals | | 2[] |
| | alongmid -ribofallpetals | | 3[] |
| | alongedgeofallpetals | | 4[] |
| | irregularlydistributedonallpetals | | 5[] |
| | otherdistribution(indicate) | | 6[] |

6. Similar varieties and differences from these varieties

Please use the table, and space provided for comments, below 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.

| 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>Flower color</i> | <i>white</i> | <i>pink</i> |

Comments:

7. Additional information which may help in the examination of the variety

7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?

Yes No

(If yes, please provide details)

7.2 Special conditions for the examination of the variety

7.2.1 Are there any special conditions for growing the variety or conducting the examination?

Yes No

7.2.2 If yes, please give details:

7.3 Other information

A representative color photograph of the variety should accompany the Technical Questionnaire.

8. Authorizationforrelease

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes No

(b) Has such authorization been obtained?

Yes No

If the answer to (b) is yes, please attach a copy of the authorization.

9. Information on plant material to be examined.

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.

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:

- | | | |
|---|------------------------------|-----------------------------|
| (a) Microorganisms (e.g. virus, bacteria, phytoplasma) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (b) Chemical treatment (e.g. growth retardant or pesticide) | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (c) Tissue culture | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| (d) Other factors | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

Please provide details of where you have indicated "yes".

.....

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

Applicant's name

Signature

Date