

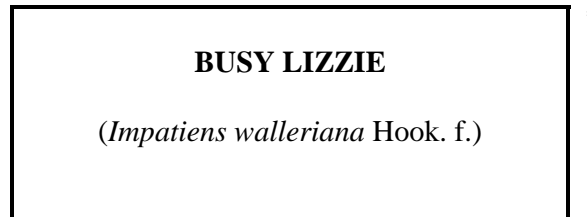


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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA



**GUIDELINES**

**FOR THE CONDUCT OF TESTS**

**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

Alternative Names:\*

<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Impatiens walleriana</i> Hook. f.	Busy Lizzie	Impatience	Fleißiges Lieschen	Alegría

**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.]

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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 is to 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 g. seed.

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

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 Observation of color by eye

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 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 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) Leaf: variegation (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

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 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

MS Measurement of a number of individual plants or parts of plants – see Section 3.3.1

VG Visual assessment by a single observation of a group of plants or parts of plants – see Section 3.3.1

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

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

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>1. MS/ (* VG</b>	<b>Plant: height of foliage</b>	<b>Plante: hauteur du feuillage</b>	<b>Pflanze: Höhe des Laubes</b>	<b>Planta: altura del follaje</b>		
<b>QN</b>	short	basse	niedrig	bajo	Camela	3
	medium	moyenne	mittel	medio	Didi Orare	5
	tall	haute	hoch	alto	Tilav	7
<b>2. MS/ (* VG</b>	<b>Plant: width</b>	<b>Plante: largeur</b>	<b>Pflanze: Breite</b>	<b>Planta: anchura</b>		
<b>QN</b>	narrow	étroite	schmal	estrecha		3
	medium	moyenne	mittel	media	Camela	5
	broad	large	breit	ancha	Didi Orare	7
<b>3. VG</b>	<b>Shoot: anthocyanin coloration (at upper third of shoot)</b>	<b>Pousse: pigmentation anthocyanique (sur le tiers supérieur d'une pousse)</b>	<b>Trieb: Anthocyanfärbung (im oberen Drittel des Triebes)</b>	<b>Tallo: pigmentación antociánica (en el tercio superior del tallo)</b>		
<b>QN</b>	absent or very weak	absente ou très faible	fehlend oder sehr gering	ausente o muy débil	Camela	1
	weak	faible	gering	débil	Balfiesala	3
	medium	moyenne	mittel	media	Didi Carmine	5
	strong	forte	stark	fuerte		7
<b>4. MS/ (* VG</b>	<b>Leaf: length (including petiole)</b>	<b>Feuille: longueur (pétiole compris)</b>	<b>Blatt: Länge (einschließlich Blattstiel)</b>	<b>Hoja: longitud (incluyendo el pecíolo)</b>		
<b>QN</b>	short	courte	kurz	corta	Balfiesala	3
	medium	moyenne	mittel	media	Balfiesaci	5
	long	longue	lang	larga	Didi Orare	7
<b>5. MS/ (* VG</b>	<b>Leaf: width</b>	<b>Feuille: largeur</b>	<b>Blatt: Breite</b>	<b>Hoja: anchura</b>		
<b>QN</b>	narrow	étroite	schmal	estrecha	Tiwhite	3
	medium	moyenne	mittel	media	Camela	5
	broad	large	breit	ancha	Didi Orare	7



	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>6. MS</b>	<b>Leaf: ratio length/width</b>	<b>Feuille: rapport longueur/largeur</b>	<b>Blatt: Verhältnis Länge/Breite</b>	<b>Hoja: relación entre la longitud y la anchura</b>		
<b>QN</b>	small	petit	klein	pequeña		3
	medium	moyen	mittel	media		5
	large	grand	groß	grande		7
<b>7. VG (*)</b>	<b>Leaf: variegation</b>	<b>Feuille: panachure</b>	<b>Blatt: Panaschierung</b>	<b>Hoja: variegación</b>		
<b>QL</b>	absent	absente	fehlend	ausente	Camela	1
	present	présente	vorhanden	presente	Snow and Ice	9
<b>8. VG</b>	<b><u>Varieties with variegation only:</u> Leaf: main color of upper side</b>	<b><u>Variétés avec panachure seulement:</u> Feuille: couleur principale de la partie supérieure</b>	<b><u>Nur Sorten mit Panaschierung:</u> Blatt: Hauptfarbe der Oberseite</b>	<b><u>Sólo variedades con variegación:</u> Hoja: color principal del haz</b>		
<b>PQ</b>	light green	vert clair	hellgrün	verde claro		1
	medium green	vert moyen	mittelgrün	verde medio		2
	dark green	vert foncé	dunkelgrün	verde oscuro		3
	blue green	vert bleu	blaugrün	verde azulado		4
<b>9. VG</b>	<b><u>Varieties with variegation only:</u> Leaf: secondary color of upper side</b>	<b><u>Variétés avec panachure seulement:</u> Feuille: couleur secondaire de la partie supérieure</b>	<b><u>Nur Sorten mit Panaschierung:</u> Blatt: Sekundärfarbe der Oberseite</b>	<b><u>Sólo variedades con variegación:</u> Hoja: color secundario del haz</b>		
<b>PQ</b>	white	blanc	weiß	blanco		1
	yellowish white	blanc jaunâtre	gelblichweiß	blanco amarillento		2
	yellow	jaune	gelb	amarillo		3
	light green	vert clair	hellgrün	verde claro		4

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>10. VG</b>	<b><u>Varieties without variegation only:</u> Leaf: color of upper side</b>	<b><u>Variétés sans panachure seulement:</u> Feuille: couleur de la partie supérieure</b>	<b><u>Nur Sorten ohne Panaschierung:</u> Blatt: Farbe der Oberseite</b>	<b><u>Sólo variedades sin variegación:</u> Hoja: color del haz</b>		
<b>PQ</b>	light green	vert clair	hellgrün	verde claro		1
	medium green	vert moyen	mittelgrün	verde medio	Camela	2
	dark green	vert foncé	dunkelgrün	verde oscuro	Didi Carmine	3
	red	rouge	rot	rojo		4
<b>11. VG</b>	<b><u>Varieties without variegation only:</u> Leaf: color of lower side between veins</b>	<b><u>Variétés sans panachure seulement:</u> Feuille: couleur de la face inférieure entre les nervures</b>	<b><u>Nur Sorten ohne Panaschierung:</u> Blatt: Farbe der Unterseite zwischen den Adern</b>	<b><u>Sólo variedades sin variegación:</u> Hoja: color del envés entre los nervios</b>		
<b>PQ</b>	only green	seulement verte	nur grün	sólo verde		1
	green and red	verte et rouge	grün und rot	verde y rojo		2
	only red	seulement rouge	nur rot	sólo rojo		3
<b>12. VG</b>	<b><u>Varieties without variegation only:</u> Leaf: color of veins on lower side</b>	<b><u>Variétés sans panachure seulement:</u> Feuille: couleur des nervures sur la face inférieure</b>	<b><u>Nur Sorten ohne Panaschierung:</u> Blatt: Farbe der Adern auf der Unterseite</b>	<b><u>Sólo variedades sin variegación:</u> Hoja: color de los nervios del envés</b>		
<b>QL</b>	green	vertes	grün	verde		1
	red	rouges	rot	rojo		2
<b>13. VG</b>	<b>Petiole: anthocyanin coloration of upper side</b>	<b>Pétiole: pigmentation anthocyanique sur la face supérieure</b>	<b>Blattstiel: Anthocyanfärbung der Oberseite</b>	<b>Pecíolo: pigmentación antocianica de la cara superior</b>		
<b>QN</b>	absent or very weak	absente ou très faible	fehlend oder sehr gering	ausente o muy débil	Camela	1
	weak	faible	gering	débil	Didi Carmine	3
	medium	moyenne	mittel	media	Didi Orare	5
	strong	forte	stark	fuerte		7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>14. VG</b>	<b>Peduncle: anthocyanin coloration of upper side</b>	<b>Pédoncule: pigmentation anthocyanique sur la face supérieure</b>	<b>Blütenstiel: Anthocyanfärbung der Oberseite</b>	<b>Pedúnculo: pigmentación antociánica de la cara superior</b>		
<b>QN</b>	absent or very weak	absent ou très faible	fehlend oder sehr gering	ausente o muy débil	Camela	1
	weak	faible	gering	débil	Tilav	3
	medium	moyenne	mittel	media		5
	strong	forte	stark	fuerte		7
<b>15. VG (* )</b>	<b>Flower: type</b>	<b>Fleur: type</b>	<b>Blüte: Typ</b>	<b>Flor: tipo</b>		
<b>QL</b>	single	simple	einfach	simple	Gumbo	1
	double	double	gefüllt	doble	Camela	2
<b>16. MS/ (* ) VG (+)</b>	<b>Flower: width</b>	<b>Fleur: largeur</b>	<b>Blüte: Breite</b>	<b>Flor: anchura</b>		
<b>QN</b>	narrow	étroite	schmal	estrecha	Balfiesala	3
	medium	moyenne	mittel	media	Tilav	5
	broad	large	breit	ancha		7
<b>17. VG (* ) (+)</b>	<b>Flower: number of colors (eye zone excluded)</b>	<b>Fleur: nombre de couleurs (zone autour de l'œil exclue)</b>	<b>Blüte: Anzahl Farben (Augenzone ausgenommen)</b>	<b>Flor: número de colores (excluida la zona del ojo)</b>		
<b>QL</b>	one	une	eine	uno		1
	two	deux	zwei	dos		2
	more than two	plus de deux	mehr als zwei	más de dos		3
<b>18. VG (* )</b>	<b>Flower: main color</b>	<b>Fleur: couleur principale</b>	<b>Blüte: Hauptfarbe</b>	<b>Flor: color principal</b>		
<b>PQ</b>	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 Beispielsorten Variedades ejemplo	Note/ Nota
<b>19. VG</b> (* (*)	<b><u>Varieties with bi- or multicolored flowers only:</u></b> Flower: secondary color	<b><u>Variétés à fleurs bicolores ou multicolores seulement:</u></b> Fleur: couleur secondaire	<b><u>Nur Sorten mit zwei- oder mehrfarbigen Blüten:</u></b> Blüte: Sekundärfarbe	<b><u>Sólo variedades con flores bicolors o multicolores:</u></b> Flor: color secundario		
<b>PQ</b>	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)		
<b>20. VG</b> (* (+)	<b><u>Varieties with bi- or multicolored flowers only:</u></b> Flower: distribution of secondary color	<b><u>Variétés à fleurs bicolores ou multicolores seulement:</u></b> Fleur: répartition de la couleur secondaire	<b><u>Nur Sorten mit zwei- oder mehrfarbigen Blüten:</u></b> Blüte: Verteilung der Sekundärfarbe	<b><u>Sólo variedades con flores bicolors o multicolores:</u></b> Flor: distribución del color secundario		
<b>QL</b>	on whole surface of upper petal only	sur toute la surface du pétale supérieur seulement	ganzflächig nur auf dem oberen Blütenblatt	únicamente en toda la superficie del pétalo superior		1
	at base of all petals	à la base de chaque pétale	an der Basis aller Blütenblätter	en la base de todos los pétalos		2
	along mid-rib of all petals	le long de la nervure médiane de chaque pétale	entlang der Mittelrippe aller Blütenblätter	a lo largo de la nervadura principal de todos los pétalos		3
	along edge of all petals	en bordure de chaque pétale	am Rand aller Blütenblätter	en el borde de todos los pétalos		4
	irregularly distributed on all petals	irrégulièrement diffus sur chaque pétale	unregelmäßig verteilt auf allen Blütenblättern	distribuido irregularmente en todos los pétalos		5
<b>21. VG</b> (* (+)	<b><u>Varieties with single flowers only:</u></b> Flower: presence of eye zone	<b><u>Variétés à fleurs simples seulement:</u></b> Fleur: présence d'une zone autour de l'œil	<b><u>Nur einfach blühende Sorten:</u></b> Blüte: Vorhandensein einer Augenzone	<b><u>Sólo variedades con flores simples:</u></b> Flor: presencia de zona del ojo		
<b>QL</b>	absent	absente	fehlend	ausente		1
	present	présente	vorhanden	presente		9
<b>22. VG</b>	<b>Flower: size of eye zone</b>	<b>Fleur: taille de la zone autour de l'œil</b>	<b>Blüte: Größe der Augenzone</b>	<b>Flor: tamaño de la zona del ojo</b>		
<b>QN</b>	small	petite	klein	pequeña		3
	medium	moyenne	mittel	media		5
	large	grande	groß	grande		7

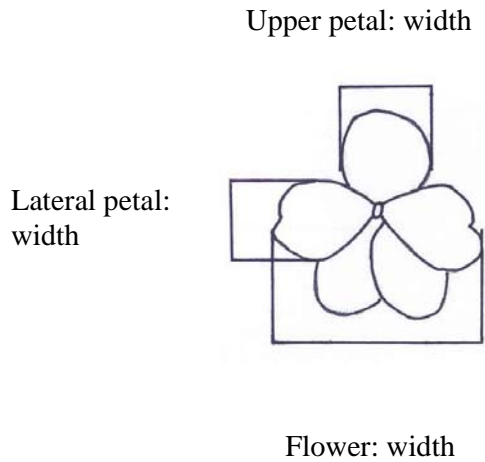
	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>23. VG</b>	<b>Flower: color of eye zone</b>	<b>Fleur: couleur de la zone autour de l'œil</b>	<b>Blüte: Farbe der Augenzone</b>	<b>Flor: color de la zona del ojo</b>		
<b>PQ</b>	white	blanche	weiß	blanco		1
	yellow	jaune	gelb	amarillo		2
	pink	rose	rosa	rosa		3
	red	rouge	rot	rojo		4
	purple	pourpre	purpurn	púrpura		5
	violet	violette	violett	violeta		6
	white and pink	blanc et rose	weiß und rosa	blanco y rosa		7
	white and red	blanc et rouge	weiß und rot	blanco y rojo		8
<b>24. MS/ VG (+)</b>	<b><u>Varieties with single flowers only:</u> Upper petal: width</b>	<b><u>Variétés à fleurs simples seulement:</u> Pétale supérieur: largeur</b>	<b><u>Nur einfach blühende Sorten:</u> Oberes Blütenblatt: Breite</b>	<b><u>Sólo variedades con flores simples:</u> Pétalo superior: anchura</b>		
<b>QN</b>	narrow	étroit	schmal	estrecho		3
	medium	moyen	mittel	medio		5
	broad	large	breit	ancho		7
<b>25. MS/ VG (+)</b>	<b><u>Varieties with single flowers only:</u> Lateral petal: width</b>	<b><u>Variétés à fleurs simples seulement:</u> Pétale latéral: largeur</b>	<b><u>Nur einfach blühende Sorten:</u> Seitliches Blütenblatt: Breite</b>	<b><u>Sólo variedades con flores simples:</u> Pétalo lateral: anchura</b>		
<b>QN</b>	narrow	étroit	schmal	estrecho		3
	medium	moyen	mittel	medio		5
	broad	large	breit	ancho		7
<b>26. VG</b>	<b><u>Seed-propagated varieties only:</u> Time of beginning of flowering</b>	<b><u>Variétés à multiplication sexuée seulement:</u> Époque de début de la floraison</b>	<b><u>Nur samenvermehrte Sorten:</u> Zeitpunkt des Blühbeginns</b>	<b><u>Sólo variedades de reproducción sexuada:</u> Época del inicio de la floración</b>		
<b>QN</b>	early	précoce	früh	temprana		3
	medium	moyenne	mittel	media		5
	late	tardive	spät	tardía		7

8. Explanations on the Table of Characteristics

Ad. 16: Flower: width

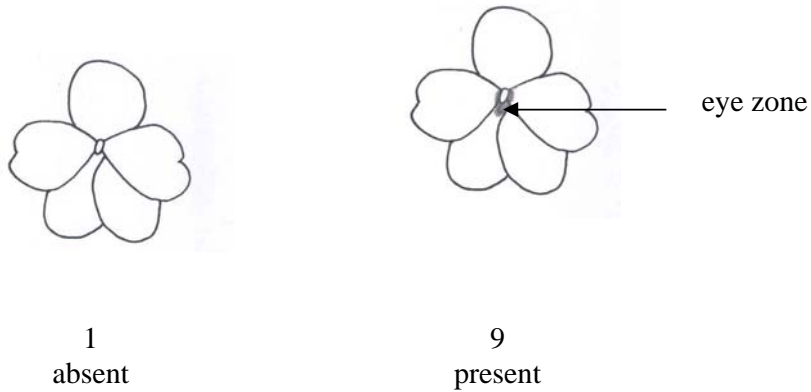
Ad. 24: Varieties with single flowers only: Upper petal: width

Ad. 25: Varieties with single flowers only: Lateral petal: width

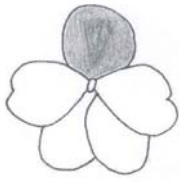


Ad. 17: Flower: number of colors (eye zone excluded)

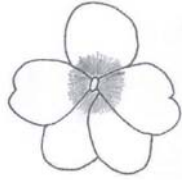
Ad. 21: Varieties with single flowers only: Flower: presence of eye zone



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



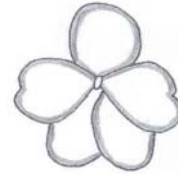
1  
on whole surface  
of upper petal  
only



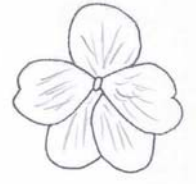
2  
at base of all  
petals



3  
along mid-rib of  
all petals



4  
along edge of all petals



5  
irregularly  
distributed on  
all petals

9. Literature

No specific literature.



10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<b>TECHNICAL QUESTIONNAIRE</b> to be completed in connection with an application for plant breeders' rights		
1. Subject of the Technical Questionnaire		
1.1 Latin Name	<input type="text" value="Impatiens walleriana Hook. f."/>	
1.2 Common Name	<input type="text" value="Busy Lizzie"/>	
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:
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4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

Variety resulting from:

4.1.1 Crossing

- (a) controlled cross [ ]  
(please state parent varieties)
- (b) partially known cross [ ]  
(please state known parent variety(ies))
- (c) unknown cross [ ]

4.1.2 Mutation [ ]  
(please state parent variety)

4.1.3 Discovery and development [ ]  
(please state where and when discovered  
and how developed)

4.1.4 Other [ ]  
(please provide details)

4.2 Method of propagating the variety

4.2.1 Vegetative propagation

- (a) cuttings [ ]
- (b) *in vitro* propagation [ ]
- (c) other (state method) [ ]

4.2.2 Seed [ ]

4.2.3 Other [ ]  
(please provide details)

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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
<b>5.1 Leaf: variegation</b> (7)		
absent	Camela	1[ ]
present	Snow and Ice	9[ ]
<b>5.2 Flower: type</b> (15)		
single	Gumbo	1[ ]
double	Camela	2[ ]
<b>5.3 Flower: width</b> (16)		
narrow	Balfiesala	3[ ]
medium	Tilav	5[ ]
broad		7[ ]
<b>5.4 Flower: number of colors (eye zone excluded)</b> (17)		
one		1[ ]
two		2[ ]
more than two		3[ ]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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	Characteristics	Example Varieties	Note
<b>5.5i</b>	<b>Flower: main color</b>		
<b>(18)</b>			
	RHS Colour Chart (indicate reference number)		
	.....		
<b>5.5ii</b>	<b>Flower: main color</b>		
<b>(18)</b>			
	white		1[ ]
	yellow		2[ ]
	pink		3[ ]
	blue pink		4[ ]
	orange		5[ ]
	red		6[ ]
	purple		7[ ]
	violet		8[ ]
	other color (indicate)		
	.....		
<b>5.6i</b>	<b><u>Varieties with bi- or multicolored flowers only:</u></b>		
<b>(19)</b>	<b>Flower: secondary color</b>		
	RHS Colour Chart (indicate reference number)		
	.....		
<b>5.6ii</b>	<b><u>Varieties with bi- or multicolored flowers only:</u></b>		
<b>(19)</b>	<b>Flower: secondary color</b>		
	white		1[ ]
	pink		2[ ]
	red		3[ ]
	violet		4[ ]
	other color (indicate)		5[ ]
	.....		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<b>5.7 Varieties with bi- or multicolored flowers only:</b>		
<b>(20) Flower: distribution of secondary color</b>		
on whole surface of upper petal only		1[ ]
at base of all petals		2[ ]
along mid-rib of all petals		3[ ]
along edge of all petals		4[ ]
irregularly distributed on all petals		5[ ]
other distribution (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 <b>similar</b> variety(ies)	Describe the expression of the characteristic(s) for <b>your</b> candidate variety
<i>Example</i>	<i>Flower: main color</i>	<i>white</i>	<i>pink</i>

Comments:

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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. Authorization for release

(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.

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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 [ ] | No [ ] |
| (b) Chemical treatment (e.g. growth retardant or pesticide) | Yes [ ] | No [ ] |
| (c) Tissue culture  | Yes [ ] | No [ ] |
| (d) Other factors   | Yes [ ] | No [ ] |

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

[End of document]