

UPOV

TG/BUDDL(proj.3)

ORIGINAL: English

DATE: 2007-06-12

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

BUDDLEIA

UPOV Code: BUDDL

Buddleja L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from France

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>Buddleja L.</i>	Buddleia, Butterfly-bush	Buddleia, Arbre aux papillons	Buddleie, Schmetterlingsstrauch	Budleya, Mariposa

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.]

<u>TABLE OF CONTENTS</u>	<u>PAGE</u>
1. SUBJECT OF THESE TEST GUIDELINES.....	3
2. MATERIAL REQUIRED	3
3. METHOD OF EXAMINATION.....	3
3.1 Number of Growing Cycles	3
3.2 Testing Place	4
3.3 Conditions for Conducting the Examination.....	4
3.4 Test Design	4
3.5 Number of Plants / Parts of Plants to be Examined.....	4
3.6 Additional Tests	4
4. ASSESSMENT OF DISTINCTNESS, UNIFORMITY AND STABILITY	4
4.1 Distinctness	4
4.2 Uniformity.....	5
4.3 Stability	5
5. GROUPING OF VARIETIES AND ORGANIZATION OF THE GROWING TRIAL.....	5
6. INTRODUCTION TO THE TABLE OF CHARACTERISTICS	6
6.1 Categories of Characteristics.....	6
6.2 States of Expression and Corresponding Notes.....	6
6.3 Types of Expression.....	6
6.4 Example Varieties	6
6.5 Legend.....	7
7. TABLE OF CHARACTERISTICS/TABLEAU DES CARACTÈRES/MERKMALSTABELLE/TABLA DE CARACTERES.....	8
8. EXPLANATIONS ON THE TABLE OF CHARACTERISTICS	19
9. LITERATURE	20
10. TECHNICAL QUESTIONNAIRE	21

1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Buddleia* L..

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 plants

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

eight plants capable of flowering

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: one year (so as to have enough developed plants, a second cycle is sometimes necessary)

(a) *Fruit species with clearly defined dormant period*

“3.1.2 The growing cycle is considered to be the duration of a single growing season, beginning with bud burst (flowering and/or vegetative), flowering and fruit harvest and concluding when the following dormant period ends with the swelling of new season buds.”

(b) *Fruit species with no clearly defined dormant period*

“3.1.2 The growing cycle is considered to be the period ranging from the beginning of active vegetative growth or flowering, continuing through active vegetative growth or flowering and fruit development and concluding with the harvesting of fruit.”

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.

Information for conducting the examination of particular characteristics

(a) Type of observation

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

MG: single measurement of a group of plants or parts of plants

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

VS: visual assessment by observation of individual plants or parts of plants

3.4 *Test Design*

3.4.1 Each test should be designed to result in a total of at least 6 plants, which should be divided between 1 replicates.

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*

Unless otherwise indicated, all observations should be made on 4 plants or parts taken from each of 4 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*

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:

“For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1 % and an acceptance probability of at least 95 % should be applied. In the case of a sample size of 6 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, 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) Leaf blade: variegation (characteristic 14)
- (b) Leaf blade: variegation type (characteristic 15)
- (c) Flower: shape (characteristic 25)
- (d) Flower: petal color (characteristic 33 or 34)

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

MG, MS, VG, VS: See Chapter 3.3.2

A: spaced plants

B: row plot

C: special test

(a)-{x} 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. (*)	VG Plant: attitude	Plante: port	Pflanze: Wuchsform	Planta: porte		
QN	upright	dressé			Summer Beauty	1
	protruding	globuleux			Nanho Purple	2
	spread	étalé			Pink Spreader	3
2. (*)	MG Plant : heigth	Plante : hauteur				
QN	very short	très petite			White Ball	1
	medium	moyenne			Nanho Purple	5
	tall	haute			[Lochinch: Hr to delete ok F], Pink Delight	7
	very tall	très haute			Purple Prince, White Profusion	9
3.	MG Plant: ratio heigth/width	Plante : rapport hauteur/largeur				
QN	higher than wide	plus haute que large			Empire Blue	1
	as high as wide	aussi haut que large			White Ball	2
	less high than wide	moins haut que large			<i>B. crispa</i> Hulmoon (=Moon Dance)	3
4. (*)	VG Plant: persistance of leaves	Plante : persistance du feuillage			F:linked to the species (to be deleted ?)	3
PQ	deciduous	caduque			<i>B. alternifolia</i>	1
	partly deciduous	partiellement caduque			<i>B.globosa</i>	9
5. (*)	VG Shoot: color of the shoot (from the year)	rameau: couleur du rameau (from the year)				
PQ	green	verte			White Profusion	1
	brownish	brune			<i>B.lindleyana</i>	2
	reddish	rougeâtre			African Queen	3

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
6.	VG	Stem: color intensity	Tige : intensité de la couleur	Check if it concerns the green color of the shoot of the year: France=yes	France: not necessary, propose to delete	
QN	light	faible			White Profusion	3
	medium	moyenne			Lochinch	5
	dark	forte			African Queen	7
	very dark	très forte				9
7.	VG	Stem: transversal section	Tige : section transversale			
QL	quadrangular	quadrangulaire			Empire Blue, <i>B.lindleyana</i>	1
	hexagonal	hexagonale			<i>B. globosa</i>	2
8.	VG	Stem: density of pubescence	Tige : densité de la pubescence	Hungary: use shoot and not stem? ok F		
QN	absent or very sparse	absente ou très peu dense			<i>B.lindleyana</i>	1
	sparse	peu dense			Nanho Blue, Nanhoensis	3
	medium	moyenne			White Ball	5
	dense	dense			<i>B. fallowiana</i> 'alba'	7
	very dense	très dense			<i>B. crispa</i> Hulmoon (=Moon Dance)	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
9. (* (+)	VG Leaf: shape	Feuille : forme de la feuille	+ a drawing		France 07 does'nt know the state 'lobbed' and <i>B.indica</i>	
PQ	lanceolate narrow	lancéolée étroite			<i>B. alternifolia</i> 'argentea', <i>Loricata</i>	1
	lanceolate	lancéolée			Purple Prince, Summer Beauty	2
	lanceolate wide	lancéolée large			Nivea, W.Sungold (writing to be checked)	3
	cordiforme	cordiforme	Thomson-Morgan (drawing to be provided)		<i>B. crispa</i> Hulmoon (=Moon Dance)	4
	lobbed	lobbée			<i>B.indica</i>	5
10.	VG Leaf: apex blade shape	Feuille : forme du sommet du limbe			France 07: to be maintained only if 'lobbed' is kept for char 9	
PQ	acute	pointue	To be deleted if strongly linked to leaf shape		Black Knight, Summer Beauty	1
	rounded	arrondie			<i>B. crispa</i> Hulmoon (=Moon Dance)	2
11. (*	VG Leaf : main color of the upper side (pubescence excluded), only varieties with variegated leaves (Hr?)	Feuille : couleur principale de la face supérieure (pubescence exclue), seulement pour les variétés avec feuilles panachées (Hr?)	To check with NZ if Santana has three colors: yellow, light green and dark green ? 'yellow' seems to describe the variegation, and not a secondary color		To be checked with variegation color France 2007: to be deleted	
PQ	Whitish	blanchâtre	To be deleted if no proposal from NZ			1
	yellow	jaune	Yellow or variegation ? (Thomson-Morgan) Yes France agrees		Les Kneale	2
	green	vert	Grey green or effect of pubescence ?		Lochingh, Sungold	3
	grey green	vert gris	(Thomson-Morgan)		Siver frost, Silver Anniversary	?
	reddish	rougeâtre	To be deleted if no proposal from NZ			4

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
12.	VG	Leaf : green main color intensity of the upper side (pubescence excluded)	Feuille : intensité de la couleur verte de la face supérieure (pubescence exclue)	Does it concerns only the green level (Fr,F) ?		
QN	very weak	très faible				1
	weak	faible				3
	medium	moyenne				5
	strong	forte	To be checked if we need the char Leaf blade: secondary color of upper side (which describes the color of the variegation)			7
13.	VG (*)	Leaf : main color of the lower side (pubescence excluded)	Feuille : couleur principale de la face inférieure (pubescence exclue)			
PQ	whitish	blanchâtre			<i>B. fallowiana 'alba', Nahoensis</i>	1
	green	verte			<i>B.lindleyana</i>	2
14.	VS (*)	Leaf blade : variegation	Limbe foliaire : panachure			
QL	absent	absente			Summer Beauty	1
	present	Présente			Notbud (=Masquerade MD) , Santana	9
15.	VG (*) (+)	Leaf blade: variegation type	Limbe foliaire : type de panachure		France : tâches ou macules ? we only know 'speckles from literature	
QL	only bordered	seulement bordée			Notbud(=Masquerade), Santana	1
	only stained	seulement maculée			<i>B.davidii 'Speckles'</i>	2

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
16.	VG	Leaf : petiol length	Feuille : longueur pétiole		France 2007 : to be deleted	
QN						
	short	court			<i>B.colvilei</i>	3
	medium	moyen				5
	long	long				7
17.	VG	Leaf : blade cutting	Feuille : découpure du limbe			
(*)						
QL	absent	absente			<i>B.lindleyana</i>	1
	present	présente			<i>B.globosa</i>	9
18.	VG	Leaf : cutting type	Feuille : type de découpure	A drawing. To check with TGP 14 3-4 margins	France 07: keep states 'dentate', 'sinué' (to be discussed for 'lobbed')	
(+)						
PQ	crenate	crénelé			<i>B. globosa</i>	1
	tight- serrate ?	serré(Fr 07= denté)			Sungold	2
	siunate	sinué			<i>B. crispa</i> Hulmoon (=Moon Dance)	3
	lobbed	lobbé			<i>B. indica</i>	3
19.	VG	Leaf blade : pubescence on the upper side	Limbe foliaire : pubescence face supérieure			
QL	absent	absente			Summer Beauty	1
	present	présente			<i>B. crispa</i> Hulmoon (=Moon Dance)	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
20.	VG	Leaf blade: pubescence intensity on the upper side	Limbe foliaire: intensité de la pubescence sur la face supérieure			
QN	very weak	très faible				1
	weak	faible			<i>B.lindleyana</i>	3
	medium	moyenne			White Ball	5
	strong	forte			<i>B. fallowiana</i>	7
	very strong	très forte			<i>B. crispa</i> Hulmoon (=Moon Dance)	9
21.	VG	Leaf blade : pubescence on the lower side	Limbe : pubescence face inférieure			
QL	absent	absente			<i>B.lindleyana</i>	1
	present	présente			<i>B. crispa</i> Hulmoon (=Moon Dance)	9
22.	VG	Leaf blade: intensity of the pubescence on the lower side	Limbe : intensité de la pubescence sur la face inférieure			
QN	very weak	très faible			<i>B. lindleyana</i>	1
	weak	faible			Lochinch (Hr : to place at state 5 or 7)	3
	medium	moyenne			White Ball	5
	strong	forte			<i>B. fallowiana</i>	7
	very strong	très forte			<i>B. crispa</i> Hulmoon (=Moon Dance)	9
23 (*)	VG	Leaf : goffering	Feuille : gaufrure			
QL	absent	absente			Royal Red	1
	present	présente			<i>B.globosa</i>	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
24.	VG	Leaf : goffering intensity	Feuille : intensité de la gaufrure			
QN	weak	faible			African Queen	3
	medium	moyenne			Golden Glow	5
	strong	forte			<i>B. globosa</i>	7
	very strong	très forte			Loricata	9
25 (*)	VG	Flower : shape	Fleur : forme	Or inflorescence (2006) ?		
PQ	conical	conique			African Queen, Pink Beauty	1
	cylindrique	cylindrique			Sun Gold, B.lindleyana	2
	globular	globulaire			B. crispa Hulmoon (=Moon Dance)	3
	clusters along the wood			Hr:Proposal to add the state 'clusters along the wood', France 07 agrees	B.alternifolia Argentea	
26 (*)	MG	Inflorescence : length	Inflorescence : longueur			
QN	very short	très courte			White Ball	1
	short	courte			African Queen	3
	medium	moyenne			Summer Beauty	5
	long	longue			White Profusion	7
	very long	très longue			Ile de France	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
26a	MG	Inflorescence : maximum width at the base (only for cylindrical and conical inflorescence types	Inflorescence : largeur maximale à la base (seulement pour les variétés à inflorescence cylindrique et conique)			
QN	very thin	très étroite			<i>B.lindeleyana</i>	
	thin	étroite			Empire Blue	
	medium	moyenne			Dar's Ornamental	
	broad	large			Orchid Beauty	
	very broad	très large			Peakeep	
27.	VG	Inflorescence : flower density	Inflorescence : densité des fleurs			
QN	very sparse	très peu dense			? under France DUS test	1
	sparse	peu dense			<i>B. globosa</i>	3
	medium	moyenne			Summer Beauty	5
	dense	dense			Nanhoensis	7
	very dense	très dense			Orchid Beauty	9
28.	VG	Flower : flower tube (of calyx) length	Fleur : longueur du tube (du calice) de la fleur	Exemples variétés?		
QN	short	court				3
	medium	moyen				5
	long	long				7
29.	VG	Flower : attitude of corolla lobes	Fleur : implantation des lobes de la corolle			
QN	erect	dressé			<i>B. lindleyana</i>	1
	semi erect	demi dressé			Sungold	2
	horizontal	horizontal			Notbud (=Masquerade)	3

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
30. VG	Petals : overlapping of corolla lobes	Pétale : chevauchement des lobes corollaires				
QL	all free	disjoints			Notbud (=Masquerade)	1
	some touching certain tangents				France 07 : state to be deleted	2
	all touching	tangent			Sungold	3
31. VG	Petal (corolla lobe) : cutting of the petal edge (= of margins edge)	Pétale (lobe de la corolle) : découpe du bord des pétales				
QL	absent	absente			<i>B.lindleyana</i>	1
	present	présente			Orchid Beauty	9
32. VG	Petal : cutting intensity at corollar lobes (= depth of incision margin of petal)	Pétale : intensité de la découpe au niveau des lobes corollaires (=profondeur des incisions du bord du pétale)				
QN	weak	faible			<i>B.lindleyana</i>	3
	medium	moyenne			Empire Blue	5
	strong	forte			Orchid Beauty	7
33. VG (*)	Flower : petal color (upper side)	Fleur : couleur du pétale (face supérieure)				
PQ	R.H.S Colour Chart	R.H.S				
34 VG (*)	Petal : hue (of corolla lobes)	Pétales : teinte (des lobes corollaires)				
PQ	white	blanche			White Ball	1
	yellow	jaune			Sungold	2
	pink	rose			<i>B. crispa</i> Hulmoon (=Moon Dance)	3
	purple	violet			Nanho purple	4
	blue	bleue			Nanho blue	5

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
35. VG	Sepals : color	Sépales : couleur				
PQ	whitish	blanchâtre			<i>B. crispa</i> Hulmoon (=Moon Dance)	1
	greyish	grisâtre			<i>B.lindelyyana</i>	2
	greenish	verdâtre			White Ball	3
35.a VG	Corolla tube : color of throat/eye if it is separated					
PQ	yellow				Ile de France	
	orange				Lochinch	
	reddish				Opera	
	brown				<i>B. weyenaria</i> Elstead hybrid	
35.b VG	Corolla tube: color of flush					
				Hr proposal: to be checked	France 07 : to delete, linked to color petal	
PQ	violet (lilas)				<i>B.weyeriana</i> Golden Glow	
	violet pink (lilas rose)				<i>B.weyeriana</i> Moonlight	
36. VG	Sépales : pubescence intensity	Sépales : intensité de la pubescence				
QN	absent or very weak	absent ou très faible			<i>B. lindleyana</i>	1
	weak	faible			Empire Blue	3
	medium	moyenne			Santana	5
	strong	forte			<i>B. fallowiana</i>	7
	very strong	très forte			<i>B. crispa</i> Hulmoon (=Moon Dance)	9

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
37	VG	Flowering : earliness		Floraison : précocité		
(*)						
QN	very early	très précoce			<i>B. davidiana</i> <i>var. veititchana</i>	1
	early	précoce			<i>B. globosa</i>	3
	medium	moyenne			Sungold	5
	late	tardive			<i>B. lindleyana</i>	7
	very late	très tardive			Stenostachya	9
38.	VG	Flowering: fragrance		Floraison : parfum		
QN	very weak	très faible			Salmon spheres	1
	weak	faible			Golden Glow	3
	medium	moyen			Nanho Blue	5
	strong	fort			Nanhoensis	7
	very strong	très fort			<i>B. asiatica</i> , Winter Sun	9
39.	VG	Fruit: color	Fruit : couleur	Hr and F proposal	<i>France 07 : to delete</i> <i>(linked to color petal)</i>	
QL	green	vert			White Profusion	
	reddish green	vert rougeâtre			Pink Delight	
	red	rouge			Dubonnet, Royal Red	
40.	VG	Fruit : color of fruit cluster/peduncle ?		Hr proposal: to be checked	<i>France 07: to be deleted, not clear</i>	
PQ	light green				Peace	
	green					
	reddish				Fortune, Ile de France	

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) All characteristics on shoots and leaves are to be observed on current year's shoots, at the base, just before flowering.
- (b) All characteristics on leaves are to be observed on current year shoot base, on the central third part of the shoot

8.2 *Explanations for individual characteristics*

Ad. 1 etc.

9. Literature

Stuart, David,. “Buddlejas – The Royal Horticultural Society”, Edit Timber Press 192p

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="Buddleia L."/>	
1.2 Common name	<input type="text" value="Buddleia"/>	
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"/>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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> <table data-bbox="443 689 1241 878"><tr><td>(a) controlled cross (please state parent varieties)</td><td>[]</td></tr><tr><td>(b) partially known cross (please state known parent variety(ies))</td><td>[]</td></tr><tr><td>(c) unknown cross</td><td>[]</td></tr></table> <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 data-bbox="491 1294 1189 1393" style="border: 1px solid black; height: 44px; width: 437px; margin: 10px auto;"></div>			(a) controlled cross (please state parent varieties)	[]	(b) partially known cross (please state known parent variety(ies))	[]	(c) unknown cross	[]
(a) controlled cross (please state parent varieties)	[]							
(b) partially known cross (please state known parent variety(ies))	[]							
(c) unknown cross	[]							

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>4.2 Method of propagating the variety</p> <p>4.2.1 Vegetative propagation</p> <p>(a) cuttings []</p> <p>(b) <i>in vitro</i> propagation []</p> <p>(c) other (state method) []</p> <p>4.2.2 Seed []</p> <p>4.2.3 Other (please provide details)" []</p> <div data-bbox="422 936 1177 1012" style="border: 1px solid black; height: 34px; width: 473px; margin-left: 20px;"></div>		

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
<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
5.1	Plant: height		
5.2	Shoot: density of pubescence		
5.3	Leaf: shape		
5.4	Leaf : main color of the upper side (pubescence excluded)		
5.5 (14)	Leaf blade: variegation		
5.6 (15)	Leaf blade: variegation type		
5.7	Leaf: goffering		
5.8 (25)	Flower (Inflorescence): shape		
5.9	Inflorescence : length		
5.10 (33)	Petal: color (RHS)		
5.11	Flowering: earliness		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
-------------------------	-----------------	-------------------

6. Similar varieties and differences from these varieties

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.

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>orange</i>	<i>orange red</i>
----------------	---------------------	---------------	-------------------

--	--	--	--

--	--	--	--

--	--	--	--

Comments:

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
#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 Are there any special conditions for growing the variety or conducting the examination?		
Yes [] No []		
(If yes, please provide 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.		

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
-------------------------	-----------------	-------------------

9. Information on plant material to be examined or submitted for examination.

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, pesticide)	Yes []	No []
(c) Tissue culture	Yes []	No []
(d) Other factors	Yes []	No []

Please provide details for where you have indicated “yes”.

.....

“9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?

Yes []

(please provide details as specified by the Authority)

No []”

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]