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Ces principes directeurs d'examen ont été remplacés par une version ultérieure. La version adoptée la plus récente des principes directeurs d'examen figure à l'adresse suivante : http://www.upov.int/test_guidelines/fr/list.jsp

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Diese Prüfungsrichtlinien wurden durch eine neuere Fassung ersetzt. Die neueste angenommene Fassung von Prüfungsrichtlinien ist unter http://www.upov.int/test_guidelines/en/list.jsp zu finden.

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Las presentes directrices de examen han sido reemplazadas por una versión posterior. La versión de las directrices de examen de más reciente aprobación está disponible en http://www.upov.int/test_guidelines/es/list.jsp.

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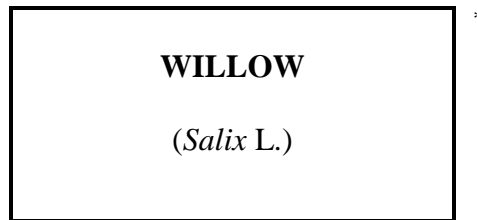
TG/72/5

ORIGINAL: English

DATE: April 9, 2003

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>Salix L.</i>	Willow	Saule	Weide	Sauce

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 *Salix* L. of the family Salicaceae.

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 hardwood cuttings with a diameter of at least 1 cm and a length of 20 cm, or well rooted one year old plants.

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

30 hardwood cuttings or 15 plants.

2.4 The cuttings should be taken from one-year-old main shoots from stools. The applicant should indicate to the authorities, if possible, the location of at least one adult tree of the variety. Nevertheless, if the applicant does not submit such characteristics, it is still recommended that they enable the authorities to make observations on adult trees as this can facilitate the examination and shorten the testing period.

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 two independent growing cycles. In particular, the first two growing cycles after planting should not be considered to produce satisfactory expressions of characteristics.

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 seen 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 The following growing conditions are recommended (Northern Hemisphere):

Time of submission of plant material: second half of March

Planting: beginning of April; in the open; planting distance 150 x 150 cm; 2 cuttings are planted per plant hole and one of them is removed after beginning of growth to have one growing plant

Soil: sandy, humic soil

Fertilization: according to soil analysis

3.4 *Test Design*

3.4.1 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.

3.4.2 Each test should be designed to result in a total of at least 10 plants.

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

Unless otherwise indicated, all observations determined by measuring or counting should be made on 10 plants or parts taken from each of 10 plants.

3.6 *Additional Tests*

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

4. Assessment of Distinctness, Uniformity and Stability

4.1 *Distinctness*

4.1.1 *General Recommendations*

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

4.1.2 *Consistent Differences*

The 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 a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 10 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 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) Plant: sex (characteristic 1)

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

(a)-(d) See Explanations on the Table of Characteristics in Chapter 8, Section 8.1

(+) See Explanations on the Table of Characteristics in Chapter 8, Section 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. (*)	(a) Plant: sex	Plante: sexe	Pflanze: Geschlecht	Planta: sexo		
QL	dioecious female	dioïque femelle	zweihäusig weiblich	dioico femenino	Tora	1
	dioecious male	dioïque mâle	zweihäusig männlich	dioico masculino	Björn	2
	monoecious unisexual	monoïque unisexuée	einhäusig eingeschlechtlich	monoico unisexual		3
	monoecious hermaphrodite	monoïque hermaphrodite	einhäusig zwittrig	monoico hermafrodita		4
2. (*)	(a) Plant: spring foliation	Plante: débourrement	Pflanze: Frühjahrsaustrieb	Planta: brotación en primavera		
QN	very early	très précoce	sehr früh	muy temprana	I - 3 - 58	1
	early	précoce	früh	temprana	Godesberg	3
	medium	moyen	mittel	media	Metz	5
	late	tardif	spät	tardía	F - 65 - 02	7
	very late	très tardif	sehr spät	muy tardía	Mangahn	9
3. (*)	(b) Main shoot: attitude	Pousse principale: port	Haupttrieb: Haltung	Rama principal: porte		
PQ	straight	droit	gerade	recto	Bredevoort	1
	slightly curved	légèrement flexueux	schwach gebogen	ligeramente curvado	I - 3 - 58	2
	moderately curved	modérément flexueux	mäßig gebogen	moderamente curvado	Mittlerer Inn V	3
	strongly curved	fortement flexueux	stark gebogen	muy curvado	75/64 (<i>S. fragilis</i> L.)	4
	tortuous	tortueux	gewunden	tortuoso	Tortuosa	5

	English	français	deutsch	español	Example Varieties Exemples Beispielsorten Variedades ejemplo	Note/ Nota
4.	(b) Main shoot: color in (c) the middle third (sunny side)	Pousse principale: couleur au tiers moyen (face ensoleillée)	Haupttrieb: Farbe im mittleren Drittel (Sonnenseite)	Rama principal: color en el tercio medio (parte soleada)		
PQ	yellow	jaune	gelb	amarillo		1
	orange	orange	orange	naranja	Gelbe Dotterweide	2
	grey	gris	grau	gris		3
	grey green	gris vert	graugrün	verde gris	Stott 10	4
	light green	vert clair	hellgrün	verde claro	Graupa 34	5
	medium green	vert moyen	mittelgrün	verde medio	259/64 (<i>S. x smithiana</i> Willd.)	6
	brown green	brun vert	braungrün	marrón verdoso	I – 3 – 58	7
	grey brown	brun gris	graubraun	marrón grisáceo		8
	red brown	brun rouge	rotbraun	marrón rojizo	Altenstadt 4	9
	brown	brun	braun	marrón	Straubinger Baumweide II	10
5.	(b) Main shoot: (c) hairiness	Pousse principale: pilosité	Haupttrieb: Behaarung	Rama principal: vellosidad		
QN	absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil	Tordis	1
	weak	faible	gering	débil	Björn	3
	medium	moyenne	mittel	media	Eva	5
	strong	forte	stark	fuerte	Nils	7
	very strong	très forte	sehr stark	muy fuerte	Osk	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	(b) Main shoot: protrusion of lenticel	Pousse principale: protubérance de la lenticelle	Haupttrieb: Hervorstehen der Lentizelle	Rama principal: protuberancia de lenticelas		
(+)						
QN	absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil	Hild	1
	weak	faible	gering	débil	Osk	3
	medium	moyenne	mittel	media	Olaf	5
	strong	forte	stark	grande	Sherwood	7
	very strong	très forte	sehr stark	muy fuerte		9
7.	(b) Main shoot: color of (c) leaf bud	Pousse principale: couleur du bourgeon à feuilles	Haupttrieb: Farbe der Blattknospe	Rama principal: color de la yema		
PQ	light green	vert clair	hellgrün	verde claro		1
	green	vert	grün	verde	Stott 10	2
	greenish brown	brun verdâtre	grünlichbraun	marrón verdoso	Gustaf	3
	brown	brun	braun	marrón	Orm	4
	reddish brown	brun rougeâtre	rötlichbraun	marrón rojizo	Jorum	5
8.	(b) Main shoot: (c) hairiness of leaf bud	Pousse principale: pilosité du bourgeon à feuilles	Haupttrieb: Behaarung der Blattknospe	Rama principal: vellosidad de la yema		
QN	absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil	Flamingo	1
	weak	faible	gering	débil	Sherwood	3
	medium	moyenne	mittel	media	Nils	5
	strong	forte	stark	fuerte	Stott 10	7
	very strong	très forte	sehr stark	muy fuerte	Osk	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
9. (*)	(b) Main shoot: number of branches longer than 5 cm	Pousse principale: nombre de rameaux de plus de 5 cm de long	Haupttrieb: Anzahl der Zweige, die länger als 5 cm sind	Rama principal: número de ramas de longitud superior a 5 cm		
QN	absent or very few	nul ou très petit	fehlend oder sehr gering	ausente o muy bajo	Altenstadt 4	1
	few	petit	gering	bajo	Mittlerer Inn III	3
	medium	moyen	mittel	medio	Bredevoort	5
	many	grand	groß	alto	Belders	7
	very many	très grand	sehr groß	muy alto	I - 3 - 58	9
10. (*)	(b) Branch: angle between first 5 cm of branch and main shoot in middle third of main shoot (time: autumn of 1st year)	Rameau: angle entre les 5 premiers centimètres du rameau et la pousse principale au tiers moyen de la pousse principale (époque: automne de la 1^{ère} année)	Zweig: Winkel zwischen den ersten 5 cm des Zweiges und dem Haupttrieb im mittleren Drittel des Haupttriebes (Zeitpunkt: Herbst des 1. Jahres)	Rama: ángulo entre los primeros 5 cm de la rama y la rama principal en el tercio medio de la rama principal (época: otoño del 1^o año)		
QN	very small	très petit	sehr klein	muy pequeño		1
	small	petit	klein	pequeño	Lievelde	3
	medium	moyen	mittel	medio		5
	large	grand	groß	grande	259/64 (<i>S. x smithiana</i> Willd.)	7
	very large	très grand	sehr groß	muy grande		9
11. (*)	(b) Branch: attitude	Rameau: port	Zweig: Haltung	Rama: porte		
PQ	curved up	incurvé vers le haut	aufwärts gebogen	curvada hacia arriba	Orm	1
	straight	droit	gerade	recta	Olaf	2
	drooping	retombant	überhängend	colgante	Pendula	3
	first curved down, then curved up	incurvé vers le bas, puis vers le haut	erst abwärts, dann aufwärts gebogen	curvada primero hacia abajo y luego hacia arriba		4

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12.	(b) Branch: color (c) (sunny side)	Rameau: couleur (face ensoleillée)	Zweig: Farbe (Sonnenseite)	Rama: color (parte soleada)		
PQ	yellow green	vert jaune	gelbgrün	verde amarillento		1
	grey green	gris vert	graugrün	verde-gris	Stott 10	2
	green	gris	grün	verde		3
	grey brown	brun gris	graubraun	marrón grisáceo	Unn	4
	red brown	brun rouge	rotbraun	marrón rojizo	Boberg	5
	brown	brun	braun	marrón		6
13. (*)	(d) Leaf blade: length of midrib	Limbe: longueur de la nervure principale	Blattspreite: Länge der Mittelrippe	Limbo: longitud del nervio central		
QN	very short	très courte	sehr kurz	muy pequeño		1
	short	courte	kurz	pequeño		3
	medium	moyenne	mittel	medio		5
	long	longue	lang	grande		7
	very long	très longue	sehr lang	muy grande		9
14. (*)	(d) Leaf blade: width	Limbe: largeur	Blattspreite: Breite	Limbo: anchura		
QN	very narrow	très étroit	sehr schmal	muy estrecho		1
	narrow	étroit	schmal	estrecho		3
	medium	moyen	mittel	medio		5
	broad	large	breit	ancho		7
	very broad	très large	sehr breit	muy ancho		9
15.	(d) Leaf blade: position of maximum width	Limbe: position de la largeur maximale	Blattspreite: Position der maximalen Breite	Limbo: posición del ancho máximo		
QN	below the middle	en dessous du milieu	unterhalb der Mitte	debajo de la mitad		1
	approximately at the middle	à peu près au milieu	etwa in der Mitte	aproximadamente en la mitad		2
	above the middle	au-dessus du milieu	oberhalb der Mitte	encima de la mitad		3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16. (d) (*)(+)	Leaf blade: shape of base	Limbe: forme de la base	Blattspreite: Form der Basis	Limbo: forma de la base		
PQ	acuminate	acuminée	zugespitzt	acuminada		1
	acute	aiguë	spitz	aguda		2
	rounded	arrondie	abgerundet	redondeada		3
	obtuse	obtuse	rundlich keilförmig	obtusa		4
	truncate	tronquée	gerade	truncada		5
	cordate	cordiforme	herzförmig	cordiforme		6
17. (d)	Leaf blade: color of upper side	Limbe: couleur de la face supérieure	Blattspreite: Farbe der Oberseite	Limbo: color del haz		
PQ	yellow green	vert jaune	gelbgrün	amarillo verdoso	Flamingo	1
	light green	vert clair	hellgrün	verde claro		2
	medium green	vert moyen	mittelgrün	verde medio	Hild	3
	dark green	vert foncé	dunkelgrün	verde oscuro		4
	grey green	gris vert	graugrün	verde-gris	Stott 10	5
	blue green	bleu vert	blaugrün	verde azulado		6
	red green	vert rouge	rotgrün	verde rojizo	Inger	7
18. (d)	Leaf blade: hairiness of upper side	Limbe: pilosité de la face supérieure	Blattspreite: Behaarung der Oberseite	Limbo: vellosoidad del haz		
QN	absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil	Flamingo	1
	weak	faible	gering	débil	Aud	3
	medium	moyenne	mittel	media	Ivar	5
	strong	forte	stark	fuerte	Hild	7
	very strong	très forte	sehr stark	muy fuerte	Sherwood	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
19. (d)	Leaf blade: hairiness of lower side	Limbe: pilosité de la face inférieure	Blattspreite: Behaarung der Unterseite	Limbo: velloso del envés.		
QN	absent or very weak	nulle ou très faible	fehlend oder sehr gering	ausente o muy débil		1
	weak	faible	gering	débil	F-65-02	3
	medium	moyenne	mittel	media	Garone 47	5
	strong	forte	stark	fuerte	259/64 (<i>S. x smithiana</i> Willd.)	7
	very strong	très forte	sehr stark	muy fuerte		9
20. (*)	Petiole: length	Pétiole: longueur	Blattstiel: Länge	Pecíolo: longitud		
QN	very short	très court	sehr kurz	muy corto		1
	short	court	kurz	corto	Calva	3
	medium	moyen	mittel	medio		5
	long	long	lang	largo		7
	very long	très long	sehr lang	muy largo		9
21.	Petiole: color of upper side	Pétiole: couleur de la face supérieure	Blattstiel: Farbe der Oberseite	Pecíolo: color del haz		
PQ	yellow green	vert jaune	gelbgrün	verde amarillento	259/64 (<i>S. x smithiana</i> Willd.)	1
	green	vert	grün	verde	Super White	2
	red green	vert rouge	rotgrün	verde rojizo	Mangahn	3
	violet green	vert violet	violettgrün	verde violeta		4
22.	Stipule: length	Stipule: longueur	Nebenblatt: Länge	Estípula: longitud		
QN	very short	très court	sehr kurz	muy corta	Oberhoffen	1
	short	court	kurz	corta	R 331	3
	medium	moyen	mittel	media	Sag 56	5
	long	long	lang	larga	Aud	7
	very long	très long	sehr lang	muy larga	Jodis	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
23.	Stipule: type	Stipule: type	Nebenblatt: Typ	Estípula: tipo		
(+)						
PQ	type 1	type 1	Typ 1	tipo 1		1
	type 2	type 2	Typ 2	tipo 2		2
	type 3	type 3	Typ 3	tipo 3		3

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:

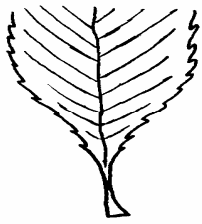
- (a) All observations on the plant sex and spring foliation should be made at beginning of growth after winter dormancy.
- (b) All observations on the main shoot and the branches should be made in autumn.
- (c) Hairiness and color should be observed at 20 cm from the tip of the main shoot.
- (d) All observations on the leaf should be made in the middle of the growing period on leaves of the middle third of the main shoot.

8.2 *Explanations for individual characteristics*

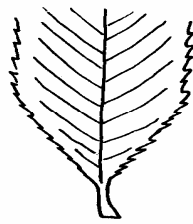
Add. 6: Main shoot: protrusion of lenticel

All observations on the lenticels should be made in the observed middle third of the main shoot.

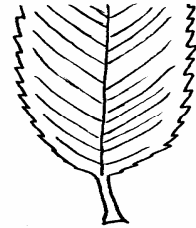
Ad. 16: Leaf blade: shape of base



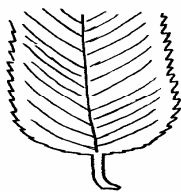
1
acuminate



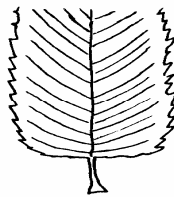
2
acute



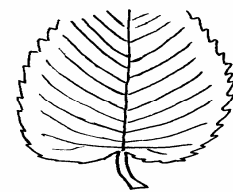
3
rounded



4
obtuse



5
truncate



6
cordate

Ad. 23: Stipule: type



type 1



type 2



type 3

9. Literature

Newsholme, Christopher "Willows, the genus Salix." London, B. T. Batsford Ltd., Great Britain, 1992.

Schiechtl, H. M. "Weiden in der Praxis" Patzer Verlag, Hannover, 1992.

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 Latin Name	<input type="text" value="Salix L."/>	
1.2 Common Name	<input type="text" value="Willow"/>	
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:

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 unknown cross []
(please state known parent variety(ies))
- (c) totally unknown cross []

4.1.2 Mutation []
(please state parent variety)

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

4.1.4 Other []
(please provide details)

4.2 Method of Propagating the Variety

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

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.

9. 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]