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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

WATERCRESS

UPOV Code(s): NASTU_MIC; NASTU OFF; NASTU STE

Nasturtium microphyllum Boenn. ex Rchb.; Nasturtium officinale R. Br.; Nasturtium xsterile (Airy Shaw) Oefelein

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from United Kingdom to be considered by the Technical Working Party for Vegetables at its fifty-second session, to be held in Beijing, China, from 2018-09-17 to 2018-09-21

Disclaimer: this document does not represent UPOV policies or guidance

Alternative names:*

Botanical name	English	French	German	Spanish
Nasturtium microphyllum Boenn. ex Rchb.	One-row watercress			
Nasturtium officinale R. Br., Rorippa nasturtium-aquaticum (L.) Hayek		cresson de fontaine; cresson d'eau	Brunnenkresse	berro
Nasturtium xsterile (Airy Shaw) Oefelein, Nasturtium microphyllum x Nasturtium officinale, Rorippa microphylla x Rorippa nasturtium- aquaticum				

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

ASSOCIATED DOCUMENTS

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

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

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1. Subject of these Test Guidelines

- 1.1 These Test Guidelines apply to all varieties of *Nasturtium microphyllum* Boenn. ex Rchb., *Nasturtium officinale* R. Br and *Nasturtium xsterile* (Airy Shaw) Oefelein.
- 1.2 Nasturtium microphyllum Boenn. ex Rchb. differs from Nasturtium officinale R. Br. in having a uniseriate arrangement of seeds compared to a biseriate arrangement for N. officinale.

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 seed or plants.
- 2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

10 g for seed-propagated varieties 40 plants for vegetatively-propagated varieties

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.

- 2.4 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
- 3.1.1 The minimum duration of tests should normally be two independent growing cycles.
- 3.1.2 The two independent growing cycles should be in the form of two separate plantings.
- 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

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.

- 3.4 Test Design
- 3.4.1 In the case of seed-propagated varieties: Each test should be designed to result in a total of at least 60 plants, which should be divided between at least 2 replicates.
- 3.4.2 In the case of vegetatively propagated varieties: Each test should be design to result in a total of at least 30 plants which should be divided between at least 2 replicates.
- 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 Additional Tests

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

4. <u>Assessment of Distinctness, Uniformity and Stability</u>

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.

4.1.4 Number of Plants or Parts of Plants to be Examined

In the case of seed-propagated varieties, unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 40 plants or parts taken from each of 40 plants and any other observation made on all plants in the test, disregarding any off-type plants.

In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 1.

In the case of vegatatively-propagated varieties, unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observation made on all plants in the test, disregarding any off-type plants.

In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 1.

4.1.5 Method of Observation

The recommended method of observing the characteristic for the purposes of distinctness is indicated by the following key in the Table of Characteristics (see document TGP/9 "Examining Distinctness", Section 4 "Observation 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

Type of observation: visual (V) or measurement (M)

"Visual" observation (V) is an observation made on the basis of the expert's judgment. For the purposes of this document, "visual" observation refers to the sensory observations of the experts and, therefore, also includes smell, taste and touch. Visual observation includes observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or nonlinear charts (e.g. color charts). Measurement (M) is an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.

Type of record: for a group of plants (G) or for single, individual plants (S)

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, "G" provides a single record per variety and it is not possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness.

In cases where more than one method of observing the characteristic is indicated in the Table of Characteristics (e.g. VG/MG), guidance on selecting an appropriate method is provided in document TGP/9, Section 4.2.

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 These Test Guidelines have been developed for the examination of seed and vegetatively propagated varieties. For varieties with other types of propagation, the recommendations in the General Introduction and document TGP/13 "Guidance for new types and species" Section 4.5 "Testing Uniformity" should be followed.
- 4.2.3 The assessment of uniformity for cross-pollinated varieties should be according to the recommendations for cross-pollinated varieties in the General Introduction.
- 4.2.4 For the assessment of uniformity of seed-propagated varieties, a population standard of 2% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 40 plants, 2 off-types are allowed.
- 4.2.5 For the assessment of vegetatively-propagated varieties, a population standard of 1% and an acceptance probability of at least 95 % will be applied. In the case of a sample size of 20 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 further examined by testing a new seed or plant stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

- 5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.
- 5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.
- 5.3 The following have been agreed as useful grouping characteristics:
 - (a) Plant: growth habit (characteristic 2)
 - (b) Time of beginning of flowering (characteristic 22)
- 5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction and document TGP/9 "Examining Distinctness".
- 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
- 6.2.1 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.
- 6.2.2 In the case of qualitative and pseudo-qualitative characteristics (see Chapter 6.3), all relevant states of expression are presented in the characteristic. However, in the case of quantitative characteristics with 5 or more states, an abbreviated scale may be used to minimize the size of the Table of Characteristics. For example, in the case of a quantitative characteristic with 9 states, the presentation of states of expression in the Test Guidelines may be abbreviated as follows:

State	Note
small	3
medium	5
large	7

However, it should be noted that all of the following 9 states of expression exist to describe varieties and should be used as appropriate:

State	Note
very small	1
very small to small	2
small	3
small to medium	4
medium	5
medium to large	6
large	7
large to very large	8
very large	9

- 6.2.3 Further explanation of the presentation of states of expression and notes is provided in document TGP/7 "Development of Test Guidelines".
- 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

		English franc		frança	is	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1	2	3	4	5	6	7			
		Name of characteristics in English		Nom carac frança	tère en	Name des Merkmals auf Deutsch	Nombre del carácter en español		
		states		types	d'expression	Ausprägungsstufen	tipos de expresión		

1 Characteristic number

2 (*) Asterisked characteristic – see Chapter 6.1.2

3 Type of expression

QL Qualitative characteristic — see Chapter 6.3
QN Quantitative characteristic — see Chapter 6.3
PQ Pseudo-qualitative characteristic — see Chapter 6.3

4 Method of observation (and type of plot, if applicable)

MG, MS, VG, VS – see Chapter 4.1.5

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

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

7 Not applicable

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

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	QN	MG/VG		(a), (b), (c)				
	Plant	: height						
	short							3
	mediu	ım					John Hurd's 98 Special	5
	tall							7
2. (*)	QN	VG		(a)			<u> </u>	
	Plant	: growth habit		·				
	erect							1
	semi	erect					John Hurd's 98 Special	2
	prostr							3
3. (*)		MS/VG	(+)	(a)				
1 1	Plant	: number of ry branches						
	few							3
	mediu	ım					Emerald	5
	many							7
4.	QN	MS/VG	(+)	(a)		1	- 1	<u> </u>
	Stem	: internode length						
	short						Boldrewood	3
	mediu						John Hurd's 98 Special	5
	long							7
5.	QN	MS/VG		(a)				
	Stem	: thickness						
	thin							3
	mediu							5
	thick							7
6.	QN	VG		(a)				'
	Stem	: intensity of		(-)				
	light							1
	mediu	ım						2
	dark							3

	E	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
7.	QN V	/G		(a)				
	Stem: int anthocya coloratio	tensity of anin on						
	light							3
	medium						John Hurd's 98 Special	5
	dark						Sophie	7
8.	QN V	/G	(+)	(a)				
	Stem: nu adventiti	ımber of ous roots						
	few							3
	medium						Emerald	5
	many							7
9.	QN V	/G		(a)				•
·	Stem: ha	iriness		•				
	absent or	very weak					John Hurd's 98 Special, Sophie	1
	medium							3
	strong							5
10.	QN V	/G		(a)			•	
	Foliage:	glossiness						
							Dalda and	
	weak						Boldrewood	3
	medium							5
	strong							7
11. (*)	QN V	/G		(a)		T		1
	Leaf: pro terminal cross-se	leaflet in						
	concave							1
	flat						Emerald	2
	convex							3
12. (*)	QN N	/IS/VG		(d), (e)				
	Leaf: len	gth						
	short							3
	medium						Boldrewood	5
	long		†					7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
13. (*)	QN	MS/VG	(d), (e)			•	
	Leaf:	width					
	narro	w					3
	mediu	ım				Boldrewood	5
	broad						7
14.	QN	VG	(a)			·	
		intensity of n color					
	light						3
	mediu	ım					5
	dark						7
15.	QN	VG	(a)				
	Leaf: antho	intensity of ocyanin ation					
	abser	nt or very weak				Emerald	1
	mediu	ım					3
	strong	9					5
16. (*)	QN	MS/VG	(d), (e)				
	Leaf: termi	length of nal leaflet					
	short					Boldrewood	3
	mediu	ım				Emerald	5
	long						7
17. (*)	QN	MS/VG	(d), (e)				
	Leaf: leafle	width of terminal					
	narro	w					3
	mediu	ım				Emerald	5
	broad	ı					7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
18. (*)	PQ	VG	(+)	(d)				
	Leaf: termi	shape of nal leaflet						
	ovate							1
	lance	olate						2
	circul							3
		ım elliptic						4
	narro	w eliptic						5
19. (*)	PQ	VG	(+)	(d)				
	Leaf: termi	shape of apex of nal leaflet						
	acute							1
	obtus	e						2
	round	led						3
20. (*)	PQ	VG	(+)	(d)				•
	Leaf: termi	shape of base of nal leaflet						
	obtus	e						1
	trunca	ate						2
	corda	te						3
21. (*)	QN	MS/VG		(d), (e)				_
·	Petio axil to	le: length from o first leaflet		,				
	short							3
	mediu	ım					Emerald	5
	long							7
22. (*)	QN	MS/VG	(+)	(b)				
	Time flowe	of beginning of ering						
	early						Aqua	3
	mediu	ım					Emerald	5
	late		Ţ					7

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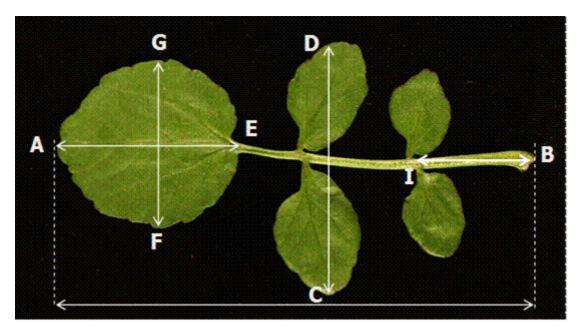
		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
23. (*)	QN	MS/VG	(+)	(b)				
•	Propo with f	ortion of plants lowers		•				
	low						John Hurd's 98 Special	1
	mediu	ım					Emerald	3
	high						Aqua	5
24. (*)	QN	MS/VG		(b)				
	Flowe	er: diameter						
	small							3
	mediu	ım						5
	large							7
25. (*)	QN	MS/VG		(c), (f)				
	Pedic	el: length						
	short							3
	mediu	ım						5
	long							7
26. (*)	QN	MS/VG		(c), (f)		•	•	
	Siliqu	ıa: length						
	short							3
	mediu	ım					Sophie	5
	long						Emerald	7
27. (*)	QN	MS/VG		(c), (f)				
•	Siliqu	ıa: width						
	narrov	 N						3
	mediu	 ım						5
	broad							7

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

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

- (a) Observations should be made before flowering when leaves are fully developed.
- (b) Observations should be made on fully developed, fresh flowers.
- (c) Observations should be made on fully developed siliquas at early stages of senescence.
- (d) Observations should be made before flowering when leaves are fully developed, on plants with excised axillary branches.
- (e) Characteristics for leaf and petiole length and width:



Ad. 12: Leaf: length (A - B)

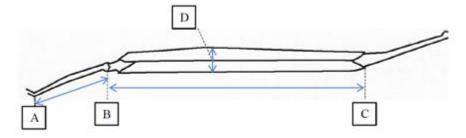
Ad. 13: Leaf: width (C - D)

Ad. 16: Leaf: length of terminal leaflet (A - E) Ad. 17: Leaf: width of terminal leaflet (F - G)

Au. 17. Leal. width of terminal leafiet (1 – G)

Ad. 21: Petiole: length from axil to first leaflet (B – I)

(f) Characteristics for pedicel and siliqua lengths and widths:



Ad. 25: Pedicel: length (A – B)

Ad. 26: Siliqua: length (B - C)

Ad. 27: Siliqua: width (D)

8.2 Explanations for individual characteristics

Ad. 3: Plant: number of axillary branches



Ad. 4: Stem: internode length

Observations should be made in the middle third of the stem.

Ad. 8: Stem: Number of adventitious roots



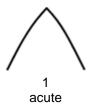


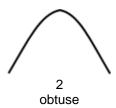
3 few 7 many

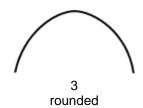
Ad. 18: Leaf: shape of terminal leaflet

	← broade	st part →
	below middle	at middle
width (ratio		
length/width)		
narrow (high)	1 lanceolate	3 narrow elliptic
medium (medium)		4 medium elliptic
broad (low)	2 ovate	5 circular

Ad. 19: Leaf: shape of apex of terminal leaflet

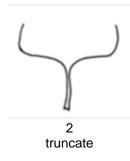


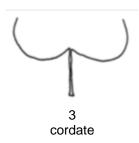




Ad. 20: Leaf: shape of base of terminal leaflet







Ad. 22: Time of beginning of flowering

Time of beginning of flowering is defined as when 10% of the plants in a plot have fully open flowers.

Ad. 23: Proportion of plants with flowers

Observations should be done when no new flower buds develop.

Proportion	Note	Ranges (percentage)
low	1	<= 5 %
low to medium	2	6-35 %
medium	3	36-65 %
medium to high	4	66-95 %
high	5	>= 96 %

9. <u>Literature</u>

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10. <u>Technical Questionnaire</u>

TECHN	NICAL QI	UESTIONNAIRE		Page {x} of {y}	Reference Number:	
					Application date: (not to be filled in by the applican	ıt)
				CHNICAL QUESTIONNA ection with an application	AIRE n for plant breeders' rights	
1.	Subject	of the Technical Question	nna	ire		
	1.1.1	Botanical name	Na	asturtium microphyllum E	Boenn. ex Rchb.	[]
	1.1.2	Common name	0	ne-row watercress		
	1.2.1	Botanical name	Na	asturtium officinale R. Br		[]
	1.2.2	Common name	W	'atercress		
	1.3.1	Botanical name	Ná	asturtium xsterile (Airy S	haw) Oefelein	[]
	1.3.2	Common name				
2.	Applicar	nt				
	Name					
	Address	i				
	Telepho	ne No.				
	Fax No.					
	E-mail a	ddress				
	Breeder applican	(if different from nt)				
3.	Propose	ed denomination and bree	ede	r's reference		
	Propose (if availa	ed denomination able)				
	Breeder	's reference				

TECH	VICAL Q	UESTIONNAIRE	Page {x} of {y}		Reference Number	r:
#4.	Informa	tion on the breeding scheme	and propagation of the	ne var	iety	
	4.1	Breeding scheme				
	Variety	resulting from:				
	4.1.1	Crossing				
	(a)	controlled cross (please state parent varietie	es)			[]
		()	x	()
		female parent			male parent	
	(b)	partially known cross (please state known parent	variety(ies))			[]
		()	x	()
		female parent			male parent	
	(c)	unknown cross				[]
	4.1.2	Discovery and development (please state where and where		ow de	veloped)	[]
	4.1.3	Mutation (please state parent variety)				[]
	4.1.4	Other (Please provide details)				[]

TECHNICAL G	QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
4.2	Method of propagating the	variety		
4.2.1	Seed-propagated varieties			
(a) (b) (c)	Self-pollination Cross-pollination Other (please provide detail	ls)	[] [] []	
4.2.2	Vegetative propagation			
(a) (b) (c)	Cuttings In vitro propagation Other (state method)		[] [] []	
4.2.3	Other (Please provide details)		[]	

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

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 (2)	Plant: growth habit		
	erect		1[]
	semi erect	John Hurd's 98 Special	2[]
	prostrate		3[]
5.2 (12)	Leaf: length		
	short		3[]
	short to medium		4[]
	medium	Boldrewood	5[]
	medium to long		6[]
	long		7[]
5.3 (16)	Leaf: length of terminal leaflet		
	short	Boldrewood	3[]
	short to medium		4[]
	medium	Emerald	5[]
	medium to long		6[]
	long		7[]
5.4 (18)	Leaf: shape of terminal leaflet		
	ovate		1[]
	lanceolate		2[]
	circular		3[]
	medium elliptic		4[]
	narrow eliptic		5[]
5.5 (22)	Time of beginning of flowering		
	early	Aqua	3[]
	early to medium		4[]
	medium	Emerald	5[]
	medium to late		6[]
	late		7[]

	Characteristics	Example Varieties	Note
5.6 (23)	Proportion of plants with flowers		
	low	John Hurd's 98 Special	1[]
	low to medium		2[]
	medium	Emerald	3[]
	medium to high		4[]
	high	Aqua	5[]

TECHNICAL QUESTIONN	Page {x} of	{y}	Reference Nu	umber:		
6. Similar varieties and di	6. Similar varieties and differences from these varieties					
from the variety (or 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 your candidate v from the similar	variety differs	the characte	expression of ristic(s) for the variety(ies)	Describe the expression of the characteristic(s) for your candidate variety	
Example	Plant: grow	vth habit	ei	rect	prostrate	
Comments:						

TECHNICAL QUESTIONNAIRE			Page {x} of {y}	Reference Number:
#7.	Addition	nal information which may hel	p in the examination of the	variety
7.1		ion to the information provide distinguish the variety?	d in sections 5 and 6, are t	here any additional characteristics which may
	Yes	[]	No	[]
	(If yes,	please provide details)		
7.2	Are the	ere any special conditions for	growing the variety or con-	ducting the examination?
	Yes	[]	No	[]
	(If yes,	please provide details)		
73	Other i	nformation		

TEC	HNICA	L QUE	STIONNAIRE	Page {x} of {y}	Refer	ence Number:	
8.	Autho	orization	for release				
	(a)	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 su	ch authorization bee	n obtained?			
		Yes	[]	No []			
	If the	answer	o (b) is yes, please a	ttach a copy of the au	thorization.		
9. In	formati	on on pla	ant material to be exa	mined or submitted fo	or examination		
	s and	disease,	chemical treatment	tic or several characte (e.g. growth retarda owth phases of a tree	nts or pesticide		
char has	acterist underg	tics of the one such	e variety, unless the n treatment, full detai	ve undergone any trecompetent authorities is of the treatment meaterial to be examine	allow or reque ust be given. In	st such treatment. I this respect, please	f the plant material
	(a)	Mi	croorganisms (e.g. vi	rus, bacteria, phytopla	asma)	Yes []	No []
	(b)	Ch	emical treatment (e.ç	g. growth retardant, po	esticide)	Yes []	No []
	(c)	Tis	ssue culture			Yes []	No []
	(d)	Ot	her factors			Yes []	No []
	Ple	ase prov	ide details for where	you have indicated "y	es".		
9.3 l	Has the	plant ma	aterial to be examine	d been tested for the	oresence of viru	s or other pathogen	s?
	Yes		[]				
	(plea	se provic	le details as specified	by the Authority)			
	No		[]				
10.	l he	ereby ded	clare that, to the best	of my knowledge, the	information pro	ovided in this form is	correct:
	Арі	plicant's	name				
			_				
	Sid	gnature			D	ate	

[End of document]