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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
 GENEVA

DRAFT

PARSLEY
 UPOV code: PETRO_CRI
 (*Petroselinum crispum* (Mill.) Nyman ex
 A.W. Hill)

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Germany

*to be considered by the
 Technical Working Party for Vegetables at its thirty-eighth session,
 to be held in Seoul, from June 7 to 11, 2004*

Alternative Names:*

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Petroselinum crispum</i> (Mill.) Nyman ex A.W. Hill	Parsley	Persil	Petersilie	Perejil

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.

* 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.]

ASSOCIATED DOCUMENTS

These guidelines (“Test 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.

Other associated UPOV documents:

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Petroselinum crispum* (Mill.) Nyman ex A.W. Hill. (leaf parsley and root parsley).

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.

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

20 g or at least 12 000 seeds *for leaf parsley*

Proposal to reduce the amount of seed from 30 g to 20 g

NL agree

2.4 The seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority.

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 *Number of Growing Cycles*

The minimum duration of tests should normally be two independent growing cycles

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.

3.3.1 The optimum stage of development for the assessment of each characteristic is indicated by a number in the second column of the Table of Characteristics. The stages of development denoted by each number are described at the end of Chapter 8.

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 200 plants, which should be divided between two or more replicates.

NL: Can the number of plants be reduced? For example for celery and celeriac it is 60.

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*

(i) Unless otherwise indicated, all observations should be made on { x } plants or parts taken from each of { x } plants.

(ii) Unless otherwise indicated, all observations should be made on { x } plants or parts taken from each of { x } plants. In the case of parts of plants, the number to be taken from each of the plants should be { y }.

(iii) Unless otherwise indicated, all observations on single plants should be made on 40 plants or parts taken from each of 40 plants and any other observations made on all plants in the test.

(iv) Unless otherwise indicated, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test. 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 { y }.

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*

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 The assessment of uniformity should be according to the recommendations for cross-pollinated varieties in the General Introduction.

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 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: curling (characteristic 6)
- (b) Root: thickening of main root (characteristic 22)

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 (Section 6.1.2)
 - (QL) Qualitative characteristic – see Chapter 6 (Section 6.3)
 - (QN) Quantitative characteristic – see Chapter 6 (Section 6.3)
 - (PQ) Pseudo-qualitative characteristic – see Chapter 6 (Section 6.3)
- (a)-(b) 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

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No
1. (*)	MS Plant: height	Plante: hauteur	Pflanze: Höhe			
QN (a)	low	basse	niedrig		Curlina	3
	medium	moyenne	mittel			5
	high	haute	hoch		Einfache Schnitt 2	7

NL: Rework into short and tall and add very short and very tall, very tall with example variety 'Gigante d'Italia'

2. (*)	MS Plant: width	Plante: largeur	Pflanze: Breite			
QN (a)	narrow	étroite	schmal			3
	medium	moyenne	mittel			5
	broad	large	breit			7

3. (*)	VS Plant: density of foliage	Plante: densité du feuillage	Pflanze: Dichte des Laubes			
QN (a)	very loose	très lâche	sehr locker			1
	loose	lâche	locker		Gigante d'Italia	3
	medium	moyenne	mittel		Vernusson	5
	dense	dense	dicht		Curlina	7
	very dense	très dense	sehr dicht		Clivi	9

4. (*)	MS Plant: number of leaves	Plante: nombre de feuilles	Pflanze: Anzahl Blätter			
QN (a)	very few	très petit	sehr gering		Parana 2	1
	few	petit	gering		Bravour, Grüne Perle	3
	medium	moyen	mittel		Paramount	5
	many	grand	groß			7
	very many	très grand	sehr groß		Gigante d'Italia	9

NL: We do not know the example variety Parana 2

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No
5.	VG	Leaf: attitude	Feuille: port	Blatt: Haltung		
PQ	(a)	erect	dressé	aufrecht	Thujade	3
		semi erect	demi-dressé	halbaufrecht	Clivi	5
		prostrate	étalé	waagerecht		7

NL: Leaf: attitude: can this be splitted into two new characteristics: Leaf blade: attitude, and Petiole: attitude? And this last one put in the right order of characteristics

6.	VS	Leaf blade: curling	Limbe: frisure	Blattspreite: Kräuselung		
(*)						
QL	(a)	absent	absente	fehlend	Einfache Schnitt 2	1
		present	présente	vorhanden	Mooskrause 2	9

NL: Add Titan as example variety for present (9)

7.	VS	Leaf blade: intensity of curling	Limbe: degré de frisure	Blattspreite: Stärke der Kräuselung		
(*)						
(+)						
QN	(a)	weak	faible	gering	Paravert	3
		medium	moyenne	mittel	Paramount	5
		strong	forte	stark	Mooskrause 2	7
		very strong	très forte	sehr stark	Petruschka	9

Proposal to add: Curled varieties only

NL: Add very weak (1) with Bravour as example variety

8.	VG	<u>Curled varieties only:</u> Plant: appearance of surface of canopy	<u>Variétés frisées seulement:</u> Plante: aspect du bouquet foliaire	<u>Nur gekräuselte Sorten</u> Pflanze: Aussehen der Oberfläche des Laubes		
PQ	(a)	open	ouvert	offen	Einfache Schnitt 2, Paramount	3
		clustered	en bouquet	in Trauben	Decora, Parus	5
		closed	fermé	geschlossen	Bravour, Curlina	7

NL: Delete Einfache Schnitt as example variety, as this is a non curled type

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No.
9.	VG	<u>Curled varieties only:</u> Leaf: structure	<u>Variétés frisées seulement:</u> Feuille: structure	<u>Nur gekräuselte Sorten:</u> Blatt: Aufbau		
PQ	(a)	loose	lâche	locker	Clivi	3
		medium dense	demi-compacte	mitteldicht		5
		dense	compacte	dicht	Curlina, Mooskrause 2	7

NL: Add Thujade as example variety for loose (3)

10.	VS	Leaf blade: part of lobes reflexed upward (visible by lighter color)	Limbe: lobes partiellement réfléchies vers le haut (visible par une couleur plus claire)	Blattspreite: teilweise nach oben gebogene Lappen (durch hellere Farbe sichtbar)		
QL	(a)	absent	absents	fehlend	Clivi	1
		present	présents	vorhanden	Mooskrause 3, Vernusson	9

Proposal to add: curled varieties only

NL: Add Titan as example variety for present (9)

11.	MS	Leaf blade: length	Limbe: longueur	Blattspreite: Länge		
QN	(a)	very short	très court	sehr kurz	Clivi	1
		short	courte	kurz	Grüne Perle	3
		medium	moyenne	mittel	Mooskrause 2	5
		long	longue	lang		7
		very long	très longue	sehr lang	Einfache Schnitt 2	9
12.	MS	<u>Curled varieties only:</u> Leaf blade: width	<u>Variétés frisées seulement</u> Limbe: largeur	<u>Nur gekräuselte Sorten</u> Blattspreite: Breite		
QN	(a)	narrow	étroite	schmal		3
		medium	moyenne	mittel		5
		broad	large	breit		7

Proposal to delete: Curled varieties only

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No
13. MS (*)	Leaf blade: size	Limbe: taille	Blattspreite: Grösse			
QN (a)	small	petit	klein		Clivi	3
	medium	moyen	mittel		Frisé vert foncé	5
	large	grand	groß		Darki	7

NL: Delete this characteristic, 11 and 12 are sufficient

PL: It will be difficult to measure it. We propose to make visual assessment of this characteristic

14. VG (*)	Leaf blade: intensity of green color	Limbe: intensité de la couleur verte	Blattspreite: Intensität der Grünfärbung			
QN (a)	light	claire	hell		Consort	3
	medium	moyenne	mittel		Clivi	5
	dark	foncée	dunkel		Vernusson	7

NL: Add Darki as example variety for dark (7)

15. VS (+)	Leaflet: shape	Foliole: forme	Fiederblatt: Form			
PQ (a)	narrow triangular	triangulaire étroite	schmal dreieckig			3
	triangular	triangulaire	dreieckig		Thujade	5
	broad triangular	triangulaire large	breit dreieckig		Clivi	7

NL: Restriction to non curled varieties

16. VS	Leaflet: depth of incisions of lobes	Foliole: profondeur des incisions des lobes	Fiederblatt: Tiefe der Randeinschnitte der Lappen			
QN (a)	shallow	peu profondes	flach			3
	medium	moyennes	mittel			5
	deep	profondes	tief			7

NL: Add a drawing for explanation

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No.
17.	VS	Leaflet: number of sinuses of margin	Foliolle: nombre des sinus du bord	Fiederblatt: Anzahl Buchtungen des Randes		
(+)						
QN	(a)	few	petit	gering		3
		medium	moyen	mittel	Paramount	5
		many	grand	groß		7
18.	VS	Petiole: length	Pétiole: longueur	Blattstiel: Länge		
QN	(a)	short	court	kurz	Curlina	3
		medium	moyen	mittel	Mooskrause 2	5
		long	long	lang		7
<i>PL: We think that it should be assessed by measurement</i>						
19.	VS	Petiole: thickness	Pétiole: épaisseur	Blattstiel: Dicke		
QN	(a)	thin	mince	dünn	Perlina	3
		medium	moyen	mittel	Darki	5
		thick	épais	dick	Gigante d'Italia	7
<i>NL: Add Titan as example variety for thick (7)</i>						
20.	VS	<u>Curled varieties only:</u> Petiole: length (petiole of second order between 1st and 2nd node)	<u>Variétés frisées seulement</u> longueur (pétiole du deuxième ordre entre le 1^{er} et le 2^{ème} noeud)	<u>Nur gekräuselte Sorten</u> Blattstiel: Länge (Stiel zweiten Grades zwischen 1. und 2. Knoten)		
(+)						
QN	(a)	very short	très court	sehr kurz		1
		short	court	kurz	Clivi	3
		medium	moyen	mittel	Grüne Perle	5
		long	long	lang	Thujade	7
		very long	très long	sehr lang	Festival	9

Proposal to delete: Curled varieties only

NL: Reword into Leaf: distance between 1st and 2nd pair of leaflets, like for celery. We agree with your proposal, but we would need a new set of example varieties

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No
21. (*)	VG	Petiole: anthocyanin coloration	Pétiolo: pigmentation anthocyanique	Blattstiel: Anthocyanfärbung		
QN	(a)	absent or very weak	absente ou très faible	fehlend oder sehr gering	Mooskrause 2	1
		weak	faible	gering		3
		medium	moyenne	Mittel		5
		strong	Forte	stark	Aromatico a costa rossa	7
		very strong	très forte	sehr stark		9
22. (*)	VG	Root: thickening of main root	Racine: épaississement de la racine principale	Wurzel: Verdickung der Hauptwurzel		
QL	(b)	absent (leaf parsley)	absent (persil à feuilles)	fehlend (Schnittpetersilie)	Mooskrause 2	1
		present (root parsley)	présente (persil à grosse racine)	vorhanden (Wurzelpetersilie)	Halblange	9
23. (*)	MS	<u>Root parsley only:</u> Root: length	<u>Persil à grosse racine seulement:</u> Racine: longueur	<u>Nur Wurzelpetersilie:</u> Wurzel: Länge		
QN	(b)	short	courte	kurz	Korte	3
		medium	moyenne	mittel	Halblange	5
		long	longue	lang	Lange	7
24. (*)	MS	<u>Root parsley only:</u> Root: thickness	<u>Persil à grosse racine seulement:</u> Racine: épaisseur	<u>Nur Wurzelpetersilie:</u> Wurzel: Dicke		
QN	(b)	thin	mince	dünn	Lange	3
		medium	moyenne	mittel	Halblange	5
		thick	épaisse	dick	Korte	7

Char. No.	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Not No
25. (*) (+)	VG Root parsley only; Root: shape	<u>Persil à grosse</u> <u>racine seulement;</u> Racine: forme	<u>Nur</u> <u>Wurzelpetersilie;</u> Wurzel: Form			
PQ	(b) narrow obtriangular	obtriangulaire étroite	schmal verkehrt dreieckig		Lange	3
	obtriangular	obtriangulaire	verkehrt dreieckig		Halblange	5
	broad obtriangular	obtriangulaire large	breit verkehrt dreieckig		Korte	7

Proposal to add: shape in longitudinal section

NL: We agree with your proposal

26.	VG Root parsley only; Root: branching	<u>Persil à grosse</u> <u>racine seulement;</u> Racine: ramification	<u>Nur</u> <u>Wurzelpetersilie;</u> Wurzel: Verzweigung			
QN	(b) weak	faible	gering		Dobra	3
	medium	moyenne	mittel		Halblange	5
	strong	forte	stark		Lange	7

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) Foliage and leaf: All observations on the foliage and the leaf should be made at the time of full development of the foliage. All observations should be made on the largest leaf.
- (b) NL: *All observations should be made on the largest leaf: Can this be made more clear?*
- (c) Root: All observations on the root should be made at root maturity.

8.2 Explanations for individual characteristics

Ad. 7 : Leaf blade: intensity of curling



3
weak



5
medium



7
strong



9
very strong

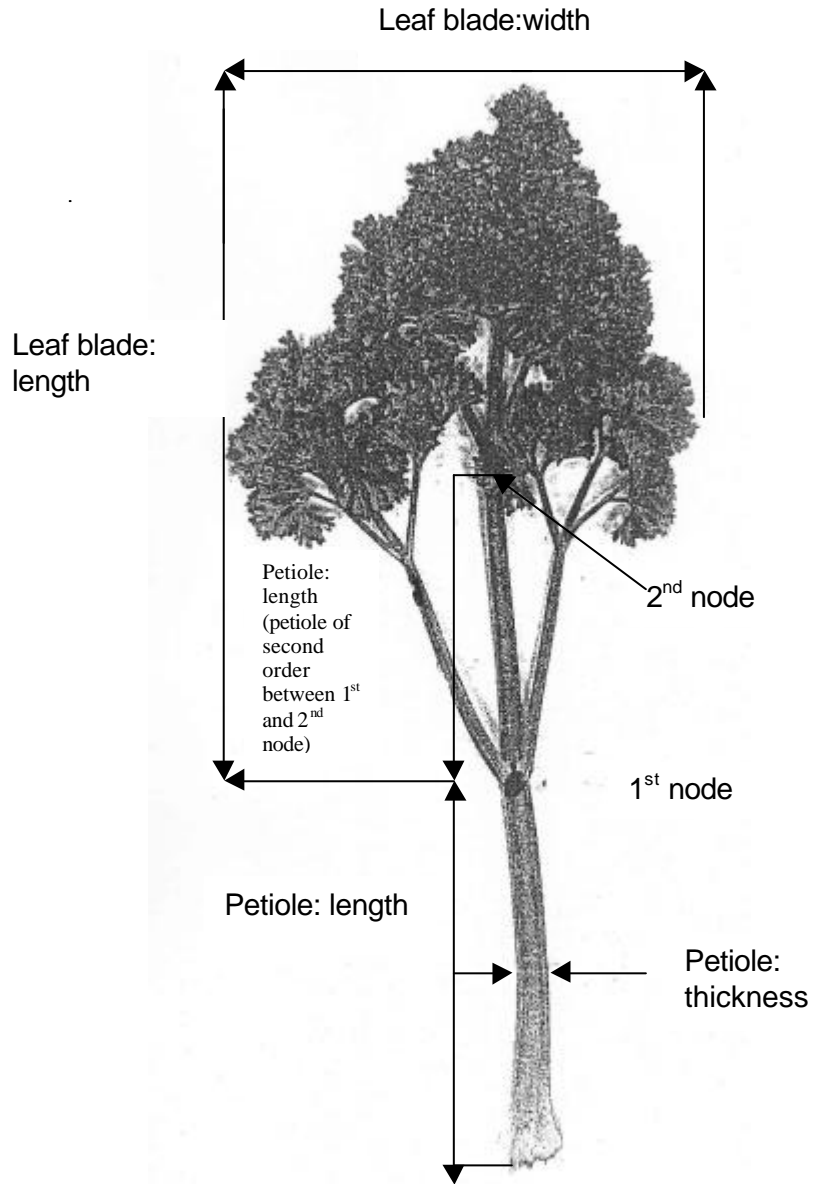
Ad. 11: Leaf blade: length

Ad. 12: Leaf blade: width

Ad. 18: Petiole: length

Ad. 19: Petiole: thickness

Ad. 20: Petiole: length
(petiole of second order
between 1st and 2nd node)



Ad. 15: Leaflet: shape



3
narrow triangular

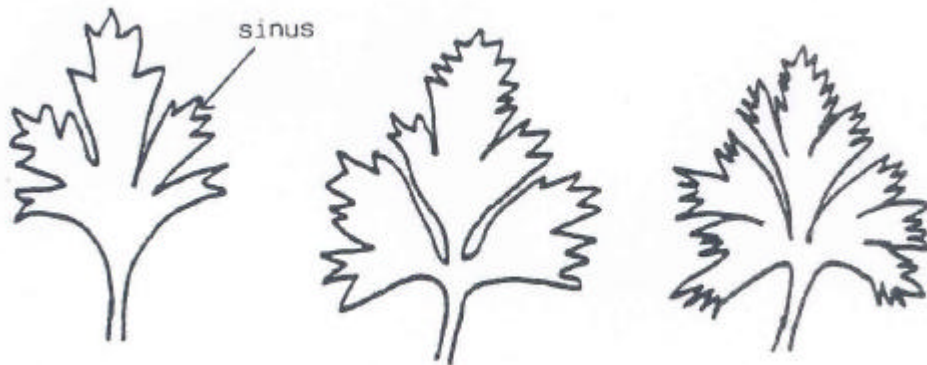


5
triangular



7
broad triangular

Ad. 17: Leaflet: number of sinuses of margin



3
few

5
medium

7
many

Ad. 25: Root: shape in longitudinal section



3
narrow obtriangular

5
obtriangular

7
broad obtriangular

NL: Are the drawings for 5 obtriangular and 7 broad obtriangular switched?

9. Literature

Vogel, G (1996) Petersilie im Handbuch des speziellen Gemüsebaues. Ulmer Verlag, Stuttgart, Seite 1009 - 1026

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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	Application date: (not to be filled in by the applicant)
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TECHNICAL QUESTIONNAIRE
to be completed in connection with an application for plant breeders' rights

In the case of hybrid varieties which are the subject of an application for plant breeders' rights, and where the parent lines are to be submitted as a part of the examination of the hybrid variety, this Technical Questionnaire should be completed for each of the parent lines, in addition to being completed for the hybrid variety.

1. Subject of the Technical Questionnaire

1.1 Botanical name *Petroselinum crispum* (Mill). Nyman ex A.W. Hill

1.2 Common Name Parsley (leaf parsley and root parsley)

ASW 14

(i)

1. Subject of the Technical Questionnaire (please indicate the relevant species):

1.1.1 Botanical name [species 1]

1.1.2 Common Name [species 1] []

1.2.1 Botanical name [species 2]

1.2.2 Common Name [species 2] []

etc.

(ii)

1. Subject of the Technical Questionnaire (please complete):

1.1 Botanical name

1.2 Common Name

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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"/>

#4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

ASW 15

(i) 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)

.....

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

4.1.3 Other []
(please provide details)

.....

4.2 Method of propagating the variety (pro domo: see GN 31 and GN 32)

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
5.1 Plant: height (1)		
low	Curlina	3[]
medium		5[]
high	Einfache Schnitt 2	7[]
5.2 Leaf blade: curling (6)		
absent	Einfache Schnitt 2	1[]
present	Mooskrause 2	9[]
5.3 Leaf blade: intensity of green color (14)		
light	Consort	3[]
medium	Clivi	5[]
dark	Vernusson	7[]
5.4 Root: thickening of main root (22)		
absent (leaf parsley)	Mooskrause 2	1[]
present (root parsley)	Halblange	9[]
5.5 <u>Root parsley only:</u> (23) Root: length		
short	Korte	3[]
medium	Halblange	5[]
long	Lange	7[]

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Characteristics	Example Varieties	Note
5.6 Root parsley only:		
(25) Root: shape in longitudinal section		
narrow obtriangular	Korte	3[]
obtriangular	Halblange	5[]
broad obtriangular	Lange	7[]

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>Leaf blade: intensity of green color</i>	<i>light</i>	<i>medium</i>

Comments:

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

Yes [] No []

(If yes, please provide details)

7.3 Other information

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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.

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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 of where you have indicated “yes”.

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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]