

TG/183/4(proj.1) ORIGINAL: English DATE: 2018-08-03

# INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

# DRAFT

# FENNEL

UPOV Code(s):

FOENI\_VUL

Foeniculum vulgare Mill.

# GUIDELINES

# FOR THE CONDUCT OF TESTS

# FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from the Netherlands 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
Foeniculum vulgare Mill., Foeniculum officinale All, Foeniculum vulgare Mill. subsp. vulgare var. azoricum (Mill.) Thell., Foeniculum vulgare Mill. subsp. vulgare var. dulce (Mill.) Batt.	Fennel, Florence fennel, Sweet fennel	Fenouil, Fenouil doux	Fenchel, Gemüsefenchel, Gewürzfenchel	Hinojo

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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# GE



### 1. <u>Subject of these Test Guidelines</u>

These Test Guidelines apply to all varieties of *Foeniculum vulgare* Mill. including varieties with grumolo (*Foeniculum vulgare* Mill. subsp. *vulgare* var. azoricum (Mill.) Thell. and medicinal/aromatic varieties (*Foeniculum vulgare* Mill. subsp. *vulgare* var. *dulce* (Mill.) Batt.) and excluding bitter fennel (*Foeniculum vulgare* Mill. ssp. *piperitum* (Ucria) Cout.).

### 2. <u>Material Required</u>

- 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:

### 4,000 seeds

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. <u>Method of Examination</u>
- 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 Each test should be designed to result in a total of at least 60 plants, which should be divided between at least 2 replicates.
- 3.4.3 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. 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.

### 4.1.4 Number of Plants or Parts of Plants to be Examined

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

### 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 non-linear 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-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 open pollinated varieties should be according to the recommendations for cross-pollinated varieties in the General Introduction.
- 4.2.4 The assessment of uniformity for hybrid varieties depends on the type of hybrid and should be according to the recommendations for hybrid varieties in the General Introduction.
- 4.2.5 For the assessment of uniformity of hybrid 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 60 plants, 3 off-types are 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 stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

### 5. <u>Grouping of Varieties and Organization of the Growing Trial</u>

- 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: grumolo formation (characteristic 6)
  - (b) Foliage: color (characteristic 7)
  - (c) <u>Only varieties with grumolo</u>: bolting tendency (characteristic 22)
  - (d) Male sterility (characteristic 27)
- 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 pseudoqualitative) 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		français		deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1	2	3	4	5	6	7			
		Name of characteristics in English		Nom o carac frança	du tère en ais	Name des Merkmals auf Deutsch	Nombre del carácter en español		
	states of expression		types	d'expression	Ausprägungsstufen	tipos de expresión			

1 Characteristic number

2	(*)	Asterisked characteristic	- see Chapter 6.1.2
3	Type of expression QL QN PQ	Qualitative characteristic Quantitative characteristic Pseudo-qualitative characteristic	<ul><li>see Chapter 6.3</li><li>see Chapter 6.3</li><li>see Chapter 6.3</li></ul>
4	Method of observation (and type MG, MS, VG, VS	of plot, if applicable)	- see Chapter 4.1.5
5	(+)	See Explanations on the Table of	f Characteristics in Chapter 8.1

- 6 Not applicable
- 7 Not applicable

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# 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	MS/VG						
	( <u> </u>	<u>Only v</u> grumo length	arieties without lo: Young plant: of cotyledons						
		short						Foenimed	3
	r	mediur	n					Chumen	5
	I	long						Magnafena	7
2.	(	QN	MS/VG						
	<u>)</u> 1 1 1	<u>Only v</u> grumo length first le	arieties without lo: Young plant: of petiole of af						
	5	short						Foenimed	3
	r	mediur	n						5
	I	long						Berfena, Magnafena	7
3.	(*)	QN	MG/VG						-
	<u>(</u> 0 a	<u>Only v</u> grumo at harv	<u>arieties with</u> I <u>o</u> : Plant: height rest maturity						
	ę	short						Tenace	3
	r	mediur	n					Fino	5
	t	tall						Rondo	7
4.	(	QN	VG	(+)			I	1	
	I	Foliag	e: attitude						
		erect						Apollo, Orion	1
		semi-e	rect					Fino, Gemini	3
	ł	horizor	ital						5
5.	(	QN	MG	(+)					
	I	Foliag	e: density						
		open						Bola	3
	 r	mediur	n					Fino, Rondo	5
		dense						Carmo, Pontino	7

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			English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	(*)	QL	MG/VG	(+)					
		Plant: format	grumolo ion						
		absent						Berfena, Duitse	1
		presen	t					Fino	9
7.	(*)	PQ	MG						
		Foliag	e: color						
		green						Fino	1
		browni	sh					Bronsvenkel	2
8.	(*)	QN	VG						
	:	<u>Only v</u> green intens color	<u>arieties with</u> <u>foliage</u> : Foliage: ity of green		·				
		very lig	Jht						1
		light							3
		mediur	n						5
		dark							7
		very da	ark :		:				9
9.		QN	MS/VG				Γ	Γ	
		Leaf: I	ength						
		short						Tenace	3
		mediur	n					Fino	5
	:	long	:		:			Antares, Orion	7
10.		QN	VG	(+)					
		Leaf: c	curvature of tip						
		absent						Rondo	1
		weakly	expressed					Fino, Virgo	2
		strong	y expressed		:			Idillio	3
11.		QN	VG					1	
		<u>Only v</u> grumo width	<u>arieties with</u> <u>lo:</u> Petiole:						
		narrow	, ,						3
		mediur	n						5
		broad							7

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		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12.	QN	VG					1	
	<u>Only v</u> grumo grumo	varieties with olo: Time of olo maturity		·				
	early							3
	mediu	m					Orion	5
	late						Apollo, Caravaggio	7
13.	QN	MS/VG	(+)					
	<u>Only v</u> grume heigh	<u>varieties with</u> <u>olo</u> : Grumolo: t						
	short						Orion	3
	mediu	m					Fino	5
	tall							7
14.	QN	MS/VG	(+)					
	<u>Only varieties with</u> grumolo: Grumolo: width							
	narrov	v					Caravaggio	3
	mediu	m					Fino	5
	broad						Preludio	7
15. (*)	QN	MS/VG	(+)			·		
	<u>Only v</u> grumo ratio I	varieties with olo: Grumolo: neight/width						
	small						Orion	3
	mediu	m			<b>İ</b>		Fino	5
	large							7
16.	QN	MS/VG	(+)			·		
	<u>Only v</u> grume thickr	varieties with olo: Grumolo: ness						
	thin						Caravaggio	3
	mediu	m					Fino	5
	thick						Mars	7

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	English			français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17. (*)	QN	VG	(+)				•	
	<u>Only v</u> grumo shape	<u>arieties with</u> <u>lo</u> : Grumolo: in cross section		·				
	round						Apollo	1
	broad	elliptic					Orbit	2
	elliptic						Caravaggio	3
18. (*)	PQ	VG	(+)				·	
	<u>Only v</u> grumc extern	<u>arieties with</u> I <u>o</u> : Grumolo: al color						
	whitish						Rondo	1
	greenis	sh					Carmo, Donatello	2
19.	QL	VG						-
	<u>Only v</u> grumo intens color	<u>arieties with</u> <u>lo</u> : Grumolo: ity of green						
	light							3
	mediur	n						5
	dark							7
20.	QN	VG				1	1	-
	<u>Only v</u> grumo ribbing	<u>arieties with</u> I <u>o</u> : Sheath: J						
	weak							3
	mediur	n					Fino	5
	strong							7
21.	QN	VG						
	<u>Only v</u> grumo overla sheath	<u>arieties with</u> I <u>lo</u> : Sheath: pping of Is						
	weak						Cristal	3
	mediur	n					Fino	5
	strong						Apollo	7

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	English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
22. (*)	QN	MS/VG					•
	Only varieties with grumolo: bolting tendency absent or very weak		·				
						Antares	1
	weak					Preludio, Rondo	3
	mediur	n				Carmo	5
	strong					Cristal	7
	very st	rong				Di Firenze	9
23. (*)	QN	MS/VG					
	<u>Only v</u> grumo appea umbel	<u>arieties without</u> <u>lo</u> : time of rance of main					
	early					Berfena	3
	mediur	n				Foenimed	5
	late					Budakalászi, Soroksári	7
24.	QN	MG/VG					
	<u>Only v</u> grumo beginr	arieties without lo: time of hing of flowering					
	early					Berfena	3
	mediur	n				Budakalászi	5
	late						7
25.	QN	MS/VG					
	<u>Only v</u> grumo height	arieties without lo: Main stem: at flowering					
	short					Foenimed	3
	mediur	n					5
	tall						7
26.	QN	MS/VG				·	
	<u>Only v</u> grumo diame	<u>arieties without</u> I <u>o</u> : Main umbel: ter					
	small					Foenimed	3
	mediur	n				Budakalászi	5
	large						7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
27. (*)	QL	vs	(+)					
	Male s	sterility						
	absent						Fino	1
	preser	ıt					Carmo, Rondo	9
28.	QN	MG						
	<u>Only v</u> grumo thousa	varieties without blo: Seed: and seed weight						
	low						Foenimed	3
	mediu	m					Soroksári	5
	high						Berfena, Magnafena	7



#### 8.1 Explanations for individual characteristics

# Ad. 4: Foliage: attitude





5 horizontal

# Ad. 5: Foliage: density



Ad. 6: Plant: grumolo formation



present absent

### Ad. 10: Leaf: curvature of tip



absent



3 strongly expressed



# Ad. 13: Only varieties with grumolo: Grumolo: height

width

# Ad. 14: Only varieties with grumolo: Grumolo: width

See Ad. 13

# Ad. 15: Only varieties with grumolo: Grumolo: ratio height/width

See Ad. 13



# Ad. 16: Only varieties with grumolo: Grumolo: thickness



thickness

# Ad. 17: Only varieties with grumolo: Grumolo: shape in cross section



### Ad. 18: Only varieties with grumolo: Grumolo: external color



whitish



greenish

# Ad. 27: Male sterility

 $\cdot$  Male fertile varieties show umbels with flowers with well-developed anthers.

 $\cdot$  Male sterile varieties show umbels with flowers without anthers or with very deformed, degenerated anthers.



absent



9 present

### 9. <u>Literature</u>

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Heeger, E. F., Brückner, K. (1950): Heil- und Gewürzpflanzen. Arten- und Sortenkunde. Deutscher Bauernverlag, Berlin.

Mansfeld, R. (1986): Verzeichnis landwirtschaftlicher und gärtnerischer Kulturpflanzen, Band 2, 2nd edition, Springer Verlag.



### 10. <u>Technical Questionnaire</u>

TECH		UESTIONNAIRE	F	Page {x} of {y}		Reference Number:	
						Application date: (not to be filled in by the applicar	nt)
		to be completed in c	TEC	HNICAL QUESTIO	NNA ation	IRE for plant breeders' rights	
1.	Subjec	t of the Technical Questic	onnair	е			
	1.1	Botanical name	Foe	eniculum vulgare M	ill.		
	1.2	Common name	Fer	nnel, Florence fenn	el, S	weet fennel	]
2.	Applica	int					
	Name						]
	Addres	s					]
	Teleph	one No.					]
	Fax No						]
	E-mail	address					]
	Breede applica	r (if different from nt)					]
3.	Propos	ed denomination and bre	eder's	s reference			
	Propos (if avail	ed denomination able)					
	Breede	r's reference					

TECHNICAL QUESTIONNAIRE			Page {x} of {y}	Reference Number:		
#4.	Informa	tion on the breeding scheme	and propagation of the va	iety		
	4.1	Breeding scheme				
	Variety	Variety resulting from:				
	4.1.1	Crossing				
	(a)	controlled cross (please state parent varietie	95)	[]		
	(b)	partially known cross (please state known parent v	variety(ies))	[]		
	(c)	unknown cross		[]		
	4.1.2	Other (Please provide details)		[]		

TECHNICAL Q	UESTIONNAIRE	Page {x} of {y}	Reference Number	r:
4.2 4.2.1	Method of propagating the v Seed-propagated varieties	/ariety		
(a) (b) (c) (d)	Self-pollination Cross-pollination Hybrid Other (please provide detail	s)		[ ] [ ] [ ]
4.2.2	Other (Please provide details)			[]

TECH	INICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:				
5.	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						
5.1 (3)	Only varieties with grumolo: Plant: heig	ght at harvest maturity					
(-)	very short			1[]			
	very short to short			2[]			
	short	Тег	nace	3[]			
	short to medium			4[]			
	medium	Fin	0	5[]			
	medium to tall			6[]			
	tall	Ro	ndo	7[]			
	tall to very tall			8[]			
5.2 (6)	Plant: grumolo formation						
	absent	Bei	rfena, Duitse	1[]			
	present	Fin	0	9[]			
5.3 (7)	Foliage: color						
	green	Fin	0	1[]			
	brownish	Bro	onsvenkel	2[]			
5.4 (8)	<u>Only varieties with green foliage</u> : Foliag	ge: intensity of green					
	very light			1[]			
	very light to light			2[]			
	light			3[]			
	light to medium			4[]			
	medium			5[]			
	medium to dark			6[]			
	dark			7[]			
	dark to very dark			8[]			
	very dark			9[]			

	Characteristics	Example Varieties	Note
5.5	Only varieties with grumolo: Grumolo: ratio height/width		
(13)	very small		1[]
	very small to small		2[]
	small	Orion	3[]
	small to medium		4[]
	medium	Fino	5[]
	medium to large		6[]
	large		7[]
	large to very large		8[]
	very large		9[]
5.6 (17)	Only varieties with grumolo: Grumolo: shape in cross section		
. ,	round	Apollo	1[]
	broad elliptic	Orbit	2[]
	elliptic	Caravaggio	3[]
5.7 (18)	Only varieties with grumolo: Grumolo: external color		
	whitish	Rondo	1[]
	greenish	Carmo, Donatello	2[]
5.8 (22)	Only varieties with grumolo: bolting tendency		
	absent or very weak	Antares	1[]
	very weak to weak		2[]
	weak	Preludio, Rondo	3[]
	weak to medium		4[]
	medium	Carmo	5[]
	medium to strong		6[]
	strong	Cristal	7[]
	strong to very strong		8[]
	very strong	Di Firenze	9[]
5.9 (23)	Only varieties without grumolo: time of appearance of main umbel		
	early	Berfena	3[]
	early to medium		4[]
	medium	Foenimed	5[]
	medium to late		6[]
	late	Budakalászi, Soroksári	7[]
5.10 (27)	Male sterility		
. ,	absent present	Fino Carmo, Rondo	1[] 9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:						
<ol> <li>Similar varieties and differences from these varieties</li> </ol>								
Please use the following table and box for of from the variety (or varieties) which, to the help the examination authority to conduct its	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 Characteristic variety(ies) similar to your candidate variety from the simila	(s) in which Describe the variety differs the characte r variety(ies) <b>similar</b>	e expression of ristic(s) for the variety(ies) Describe the expression of the characteristic(s) for <b>your</b> candidate variety						
Example								
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 pro help to distinguish the variety?	vided in sections 5 and 6	, are there any additional characteristics which may		
	Yes []	No	[]		
	(If yes, please provide details)				
7.2	Are there any special conditions	for growing the variety o	r conducting the examination?		
	Yes []	No	[]		
	(If yes, please provide details)				
7.3	Other information				
Use/Growing season: Spring [] Summer [] Autumn []					

TECH	HNICA	L QUESTION	NAIRE	Page {x} o	of {y}	Reference	Number:		
8.	Autho	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 auth	norization been c	btained?					
		Yes []		No	[]				
	If the	answer to (b) is	yes, please atta	ich a copy of	the authorizati	on.			
9. Inf	formati	on on plant mate	erial to be exami	ned or subm	tted for examin	nation			
9.1 pests roots	Th s and stocks,	e expression of disease, chemi scions taken fro	a characteristic cal treatment (e m different grow	or several ch .g. growth ro th phases of	aracteristics of etardants or p a tree, etc.	a variety ma esticides), e	ay be affected ffects of tissu	by factors, e culture,	, such as different
9.2 chara has u the b	The pl acterist underg est of y	ant material sh tics of the variet one such treatm your knowledge	nould not have y, unless the co nent, full details , if the plant mate	undergone mpetent auth of the treatm erial to be ex	any treatment orities allow o ent must be gi amined has be	which wou r request suc ven. In this r en subjected	ld affect the ch treatment. I respect, please t to:	expression f the plant e indicate b	n of the material pelow, to
	(a)	Microorga	anisms (e.g. virus	s, bacteria, p	nytoplasma)		Yes [ ]	No [	]
	(b)	Chemical	treatment (e.g. g	growth retard	ant, pesticide)		Yes [ ]	No [	]
	(c)	Tissue cu	lture				Yes [ ]	No [	]
	(d)	Other fact	tors				Yes [ ]	No [	]
	Please provide details for where you have indicated "yes".								
10.	J. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:								
	Applicant's name								
	Się	gnature				Date			

[End of document]