

TG/70/5(proj.3)
ORIGINAL: English
DATE: 2019-05-10

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

APRICOT

UPOV Code(s): PRUNU ARM

Prunus armeniaca L.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by experts from South Africa to be considered by the Technical Working Party for Fruit Crops at its fiftieth session, to be held in Budapest, Hungary, from 2019-06-24 to 2019-06-28

Disclaimer: this document does not represent UPOV policies or guidance

Alternative names:*

Botanical name	English	French	German	Spanish
Prunus armeniaca L.	Apricot	Abricotier	' '	Albaricoquero, Chabacano

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.]

TG/70/5(proj.3) Apricot, 2019-05-10

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of Prunus armeniaca L. Add comment, if appropriate

- 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 one-year-old grafts, budsticks or dormant shoots for grafting.
- 2.3 The minimum quantity of plant material, to be supplied by the applicant, should be:

(a) varieties resulting from crossings 3 trees (one-year-old grafts) or 5 budsticks or

(b) varieties resulting from mutations 10 trees (one-year-old grafts) or 10 budsticks

The rootstock to be used is specified by the competent authority.

- 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 may be observed from a single planting, examined in two separate growing cycles.
- 3.1.3 In particular, it is essential that the trees produce a satisfactory crop of fruit in each of the two growing cycles.
- 3.1.4 The growing cycle is considered to be the duration of a single growing season, beginning with bud burst (flowering and/or vegetative), flowering and fruit harvest and concluding when the following dormant period ends with the swelling of new season buds.
- 3.2 Testing Place

Tests are normally conducted at one place. In the case of tests conducted at more than one place, guidance is provided in TGP/9 "Examining Distinctness".

- 3.3 Conditions for Conducting the Examination
- 3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.
- 3.3.2 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background. The color chart and version used should be specified in the variety description.
- 3.4 Test Design
- 3.4.1 Each test should be designed to result in a total of at least 3 trees.
- 3.4.2 Varieties resulting from mutation: Each test should be designed to result in a total of at least 9 trees.
- 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 3 plants or parts of plants taken from each of 3 plants and any other observations 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 5.

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 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 For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 3 plants, no 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 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) Tree: vigor (characteristic 1)
 - (b) Tree: habit (characteristic 2)
 - (c) Fruit: size (characteristic 29)
 - (d) Fruit: shape in lateral view (characteristic 30)
 - (e) Fruit: ground color of skin (characteristic 46)
 - (f) Fruit: relative area of over color (characteristic 47)
 - (g) Fruit: color of flesh (characteristic 51)
 - (h) Time of beginning of flowering (characteristic 58)
 - (i) Time of beginning of fruit ripening (characteristic 59)
- 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	1	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 caract frança	tère en	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 Qualitative characteristic – see Chapter 6.3
QN Quantitative characteristic – see Chapter 6.3
PQ Pseudo-qualitative characteristic – see Chapter 6.3

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)-(d) See Explanations on the Table of Characteristics in Chapter 8.1

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)				
	Tree: vigor						
	very weak					Sub-zero	1
	weak					Ninfa, Polonais, Rustic	3
	medium					Bergeron, Canino, Peeka, Rouge du Roussillon	5
	strong					Earle Orange, Magyar kajszi, Palsteyn, Pisana, Portici	7
	very strong					Monaco Bello, Moniquí, Solitaire, Viceroy	9
2. (*)	PQ VG	(+)	(a)				Į.
	Tree: habit						
	fastigiate					Japan's Early	1
	upright					Harcot, Primando, Reale d'Imola	2
	upright to spreading					Ceglédi óriás, Paz, Proimo Tyrinthos, Veecot	3
	spreading					Blenheim, Canino, Grandir, Hargrand, Magyar kajszi	4
	drooping					Palsteyn, Pisana, Polonais, Vesna	5
3.	QN VG	(+)	(a)				
	Tree: number of branches						
	few					Earle Orange, Roxana	3
	medium					Bergeron, Magyar kajszi, Roxanne, San Castrese	5
	many	***************************************				Harlayne, Prevete, Roxy, Veecot	7
4. (*)	QN VG		(a)				
-	Tree: distribution of flower buds						
	predominantly on spurs					Earle Orange, Nugget, Roxy, Royal Roussillon, Sun Glo	1
	equally on spurs and on one-year-old shoots					Bergeron, Bulida, Canino, San Castrese, Veecot	2
	predominantly on one- year-old shoots					Amal, Ouardi, Rosa, Roxana	3

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
5. (*)	QN	VG	(+)					ı
_	of a	ng shoot: intensity nthocyanin ration of apex						
	abse	ent or very weak						1
	weal	Κ					Blenheim, Hargrand, Paz, Perla, Samarkandskij rannij	3
	med	ium					Cape Bebeco, Polonais, San Castrese, Sun Glo	5
	stror	ng					Ceglédi bíbor, Harcot, Ladisun, Ohaicos, Ravival, Roxana	7
6.	PQ	VG	(+)	(a)				
	One	-year-old shoot:						
	colo	r on sunny side						·
	yello	w brown					Cape Bebeco, Grandir	1
	red b	orown					Palsteyn, Polonais, Royal, Veecot	2
	purp	le brown					Blenheim, Harcot	3
7.	QN	VG	i I	(a)				1
	One size	-year-old shoot: of bud support						
	sma	II					Canino, Cape Bebeco, Harcot, Vitillo	1
	med	ium					Hargrand, Magyar kajszi, Palsteyn, Portici, Tri Gems	2
	large)					Ceglédi arany, Himidi, Moniquí, Roxana, Suapriseven	3
8.	QN	MS/VG		(b)				
	Leaf	blade: length						
	shor	t					Bulida, Early Biady, Perla, Samarkandskij rannij	3
	med	ium					Canino, Portici, Rouge du Roussillon, Veecot	5
	long						A. Vecchioni, Calirose, Ceglédi arany, Moniquí, Roxana	7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
9.	QN	MS/VG	(b)				
	Leaf b	olade: width					
	narrov	V				Ceglédi bíbor, Monaco Bello, Rouget de Sernhac, Veecot	3
	mediu	m				Canino, Cape Bebeco, Harcot, Vitillo	5
	broad					Ceglédi piroska, Moniquí, Pisana	7
10. (*)	QN	MG/VG	(b)				
	Leaf blade: ratio length/width						
	very lo	 DW				Canino, Portici	1
	low					Cafona, Hargrand, Supergold	3
	medium					Harcot, Rouget de Sernhac, Rustic, San Castrese	5
	high					A. Vecchioni, Big Cot, Ceglédi bíbor, Colorado	7
	very h	igh				Calirose, Koolgat, Noemi, Super Seven	9
11.	QN	VG	(b)		1		,
	Leaf b green side	plade: intensity of color of upper					
	light					Roxy, San Castrese, Veecot, Velasquez	1
	mediu	m				Canino, Ceglédi óriás, Flaming Gold, Grandir, Harcot	3
	dark					A. Vecchioni, Earle Orange, Ninja	5
12.	PQ	VG	(+) (b)		1		
	Leaf b	plade: shape of					
	acute					Ceglédi bíbor, Rouget de Sernhac, San Francesco	1
	obtuse	•				Bhart, Calirose, Magyar kajszi, Portici	2
	trunca	te				Bergeron, Blenheim, Canino, Perla	3
	cordat	ie				Bulida, Monabri, Moniquí	4

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
13.	PQ	VG	(+)	(b)				
=	Leaf b	blade: angle of						
	acute						Koolgat, San Castrese	1
	right-a	ingled					Bulida, Canino, Ceglédi óriás	2
	moder	rately obtuse					Bergeron, Farclo, Polonais, Portici	3
	strong	ly obtuse					Hargrand, Moniquí	4
14.	QN	VG	(+)	(b)			·	
	Leaf b	plade: length of						
	absen	t or very short					Alpha	1
	short						Amber Gold, Bhart, Harmat, Moniquí	3
	medium						Koolgat, Magyar kajszi, Roxy	5
	long						Calirose, Fina, Ivonne Liverani, Memphis, Roxana	7
15. (*)	PQ	VG	(+)	(b)				
-	Leaf b	olade: incisions rgin		-				
	crenat	e					Canino, Royal Roussillon, San Castrese, Verdun	1
	bicren	ate					Bhart, Ninfa	2
	serrate	е					Calirose, Vitillo	3
	biserra	ate					Farius, Himidi, Rakovszky, Roxana, San Francesco, Suapriseven	4
16.	QN	VG		(b)				
	Leaf b	i blade: undulation rgin						
	absen	t or very weak					Colomer, Earle Orange	1
	weak	-					Harcot, Palsteyn, Portici	2
	mediu	m					Blenheim, Cape Bebeco, Nonno, Roxana	3
	strong						Piet Cillié, Polonais, San Francesco	5

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
17.	QN	VG	(+)	(b)				
-	Leaf b	plade: profile in section						
	slightly	y convex					Megatea	1
	straigh	nt or weakly ve					Earle Orange, Rouget de Sernhac, San Castrese	2
	mode	rately concave					Bergeron, Dulcinea, Moniquí, Rustic	3
	strong	ly concave					Polonais	4
18. (*)	QN	MG/VG		(b)				
	Petiol	e: length						
	short						Cape Bebeco, Madison, Moniquí, Ninfa, Veecot	3
	medium						Bergeron, Bulida, Cafona, Canino, Hargrand	5
	long						Banzaï, HG nº1, Ladisun, Reale d'Imola, sSkopska Krupna	7
19. (*)	QN	MG/VG		(b)				
	Leaf: blade	ratio length of /length of petiole						
	low						Earle Orange, Harcot, Pisana, Rouget de Sernhac	3
	mediu	m					Bergeron, Calirose, Hâtif Colomer, Portici, Rouge du Roussillon	5
	high						Monaco Bello, Moniquí	7
20.	QN	VG		(b)				
	Petiol	e: thickness						
	thin						Flaming Gold, San Castrese, Veecot	1
	mediu	m					Bulida, Harcot, Portici	2
	thick						Ceglédi arany, Moniquí, Reale d'Imola	3

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
21.	QN	VG		(b)				
-	antho	e: intensity of cyanin ation of upper						
	weak						Cibo del Paradiso, Tri Gems	3
	mediu	m					Bhart, Canino, Cape Bebeco, San Castrese	5
	strong						Ceglédi bíbor, Early Biady, Grandir, Harogem	7
22. (*)	QN	MG	(+)	(b)				
	Petiol necta	e: number of ries						
	none (or one					Colorado, Mandulakajszi, Rouget de Sernhac	1
	two or	three					Banzaï, Cafona, Magyar kajszi, Ninja, Primarina, Veecot	2
	more	than three					Bulida, Canino, Cape Bebeco, Moniquí, Pisana	3
23.	QN	VG		(b)				-
	Petiol necta	e: size of ries						
	small						Alpha, Calirose, Colorado, Madison, San Francesco, Yerevani	1
	mediu	m					Bulida, Ceglédi óriás, Samouraï, San Castrese, Tilton	2
	large						Canino, Early Biady, Harmat, Pisana, Red Blush	3
24. (*)	QN	MS/VG		(c)			•	•
-	Flowe	er: diameter						
	small						Borsi rózsa, Hâtif Colomer, Supergold	1
	mediu	m					Calirose, Magyar kajszi, Polonais, Portici, Reale d'Imola	3
	large						Hargrand, Harmat, San Castrese	5

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25.	QN	VG	(+)	(c)				Į.
-	Flower stigm anthe	er: position of na relative to ers						
	below	,					Canetta, Harmat, Rouge du Roussillon	1
	same	level					Hargrand, Palsteyn, Portici	2
	above	•					Canino, Grandir, Pisana, Polonais	3
26.	PQ	VG	(+)	(c)				
	Petal	: shape						
	elliptio						Rubilis	1
	circular						Faralia, Harcot, Luizet	2
	oblate	•					Canino, Polonais, Rustic, Vitillo	3
27.	PQ	VG	(+)	(c)				
	Petal side	color on lower						
	white						Bulida, Cafona, Polonais	1
	whitis	h pink						2
	light p	ink					Cheyenne, Harcot, Magyar kajszi, Ninja, San Castrese	3
	dark p	oink						4
28.	QN	VG	(+)					,
	Sepa	l: attitude						
	upwa	rds					Ladisun	1
	outwa	ards					Calirose, Colomer, Farbaly	2
	down	wards					Bergeron, Cape Bebeco	3

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
29. (*)	QN	VG	(+)	(d)				•
	Fruit:	size						
	very s	mall	***************************************				Haggith, Menace, Supergold, Zard	1
	small						Borsi rózsa, Hâtif Colomer, Ladisun, Patriarca Temprano	3
	mediu	m					Cafona, Canino, Harcot,	5
	large						Ceglédi bíbor, Moniquí, Portici	7
	very la	arge					Ceglédi óriás, Hargrand, Palsteyn, Pisana	9
30. (*)	PQ	VG	(+)	(d)				
=	Fruit: view	shape in lateral		-				
	triang	ular					Luizet	1
	ovate						Bergeron, Calirose, Pisana	2
	oblate						Korai zamatos, Nugget, Patriarca Temprano	3
	circula	ar					Earle Orange, Grandir, Ninfa, Ouardi, Polonais	4
	oblon]					Blenheim, Portici, Sundrop	5
	elliptio	:					Précoce d'Imola, Wenatchee, Yerevani	6
	oblique rhombic						Banga, Bulida, Canino, Vulcan	7
	obova	te					Harcot, Harmat, Trevatt	8

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
31. (*)	PQ	VG	(+)	(d)		-		
-	Fruit:	shape in ventral		-				
	triangu	llar	-				Luizet, Mandulakajszi, Reale d'Imola	1
	ovate						Bergeron, Calirose, Canino, Fracasso	2
	oblate						Nugget	3
	circula	r					Polonais, Rouge du Roussillon, San Castrese, Supergold, Viceroy	4
	oblong						Baracca, Hargrand, Hâtif Colomer, Veecot	5
	elliptic						Bella d'Imola, Flaming Gold, Yerevani	6
	obovat	e					Harcot, Harmat, Ladisun, Portici	7
32.	QN	MG/MS/VG		(d)				
	Fruit:	height						
	short						Patriarca Temprano, Samarkandskij rannij, Sayeb, Supergold	3
	mediur	n					Bergeron, Canino, Cape Bebeco, Polonais	5
	tall						Calirose, Goldrich, Mandulakajszi, Vitillo	7
33.	QN	MG/MS/VG		(d)				
	Fruit:	width in lateral						
	narrow	,					Cerasiello, Harmat, Manicot, Samarkandskij rannij, Supergold	3
	mediur	n					Bergeron, Bhart, Cafona, Paz	5
	broad						Hargrand, Moniquí, Roxanne, Vitillo	7
34.	QN	MG/MS/VG		(d)				
	Fruit:	width in ventral						
	narrow	······································					Cerasiello, Harlayne, Hâtif Colomer, Tri Gems	3
	mediur	n					Bhart, Cape Bebeco, Palummella	5
	broad						Ceglédi arany, Goldrich, Moniquí, Roxanne	7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
35.	QN	MG/VG		(d)		1		<u>, </u>
<u>-</u>		ratio height ral width		•				
	low						Korai zamatos, Patriarca Temprano, Peeka	3
	mediu	ım					Cafona, Canino, Magyar kajszi, Rouge du Roussillon, Solitaire	5
	high						Bergeron, Hâtif Colomer, Tri Gems, Vitillo	7
36. (*)	QN	MG/VG		(d)				
		ratio lateral /ventral width						
	very l	ow					Monaco Bello	1
	low						Mandorlon, Maria Ferez, Rustic, Vesna	3
	mediu	ım					Bergeron, Luizet, Pisana, Rouge du Roussillon	5
	high						Borsi rózsa, Calicot, Henderson, IP 660	7
	very h	nigh					Swired	9
37. (*)	QN	VG	(+)	(d)				1
		symmetry in al view						
	symm	netric					Canino, Hâtif Colomer, Magyar kajszi, Paz, Polonais, Portici	1
	slightl	y asymmetric					Boccuccia, Calirose, Ceglédi óriás, Royal	2
·	strong	gly asymmetric					Borsi rózsa, Grandir, Reale d'Imola	3
38. (*)	PQ	VG	(+)	(d)				
	Fruit:	suture						
	raised	<u> </u>					Priboto	1
	slightl	y sunken					Calirose, Magyar kajszi, Ninfa, Rouge du Roussillon	2
	mode	rately sunken					Bergeron, Ladisun, Monaco Bello, Pineapple	3
	deepl	y sunken					Cape Bebeco, Dima, Henderson, Kech-pshar, Portici	4

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
39.	QN	VG		(d)			•	•
	Fruit: cavity	depth of stalk		-				
	shallo	w					Harlayne, Peeka, Rouge du Roussillon, San Castrese	1
	mediu	ım					Blenheim, Grandir, Magyar kajszi, Vitillo	3
	deep						Banzaï, Canino, Ceglédi óriás, Hâtif Colomer, Kayzee, Palsteyn	5
40. (*)	PQ	VG	(+)	(d)				•
	Fruit:	shape of apex						
	acute						Hula Blush, Mandulakajszi, Reale d'Imola	1
	round	ed					Bergeron, Calirose, Goldrich, Luizet, Portici	2
	trunca	ite					Bella d'Imola, Hargrand, Hâtif Colomer, Royal	3
	retuse	;					Flash Cot	4
41.	PQ	VG	(+)	(d)				
	Fruit:	shape of tip						
	pointe	ed					Mediabel	1
	flat						Farbaly	2
	weakl	y depressed					Suapriseven	3
	strong	ly depressed					Primaya	4
42. (*)	QL	VG		(d)				
	Fruit:	presence of on						
	absen	t					Blenheim, Bulida, Canino, San Castrese	1
	presei	nt					Bhart, Pisana	9
43.	QN	VG		(d)		•	•	
•	Fruit:	surface						
	smooth						Bergeron, Ninja, Palsteyn, Portici, Rouge du Roussillon	1
	slightly bumpy							
	slightly	y bumpy					Cape Bebeco, Oscar, Supergold	2
		y bumpy rately bumpy						3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
44. (*)	QL VG	(d)				
•	Fruit: pubescence					
	absent				Badami, Glattschalige Frühmarille	1
	present				Bergeron, Bulida, Canino, Magyar kajszi	9
45.	QN VG	(d)				
	Fruit: glossiness					
	absent or weak				Rouge du Roussillon	1
	medium				Harcot	2
	strong				Maravilla, Sun Glo	3
46. (*)	PQ VG	(d)				1
	Fruit: ground color of skin					
	not visible				Ravicille, Ravilong	1
	white				San Nicola, Shirazskij belyj	2
	yellowish				Piet Cillié, Soldonné, Vitillo, Yerevani	3
	yellow green				Grüne Spätmarille, Kaisi Ashtarak, Roxy, Sateni Karmir	4
	light orange				Canino, Goldcot, Hargrand, Portici, Rouge du Roussillon, Roxanne	5
	medium orange				Calirose, Hâtif Colomer, Luizet, Pisana, Veecot	6
	dark orange				Bhart, Harcot, Harogem	7
47. (*)	QN VG	(+) (d)		<u>, </u>		
	Fruit: relative area of over color					
	absent or very small				Charisma, Maria Matilde, Moniquí, Yerevani	1
	small				Cafona, Canino, Cape Bebeco, Goldrich	3
	medium				Hâtif Colomer, Magyar kajszi, Palsteyn, Portici, Roxy	5
	large				Bergeron, Bhart, Golden Blush, Pisana	7
	very large				Ravicille, Ravilong	9

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
48. (*)	PQ	VG		(d)				
	Fruit: color	hue of over						
	orange	e red					Cape Bebeco, Kayzee	1
	red						Bhart, Faralia	2
	pink						Colorado, Palsteyn, Rustic	3
	purple						Rubissia, Totem	4
49.	QN	VG		(d)				
	Fruit: color	intensity of over						
	light						Big Cot	3
	mediu	m					Calirose	5
	dark						Flash Cot, Primarina	7
50. (*)	PQ	VG	(+)	(d)				
	Fruit: color	pattern of over						
	isolate	ed spots					Big Cot, Margotina, Rouge du Roussillon	1
	solid f	lush					Bergeron, Cape Bebeco, Ninja	2
	covere very s	ed all over with mall spots		,			Grandir, Moniquí, Pieve	3
51. (*)	PQ	VG		(d)		1		
	Fruit:	color of flesh						
	white						Cibo del Paradiso, Mouchbah Mourry, Spitak	1
	whitish	n green					Amban	2
	yellow	ish white					Barese, Malatya, Moniquí, Patriarca Temprano	3
	light orange						Canino, Cape Bebeco, Harmat, San Castrese, Yerevani	4
	mediu	medium orange dark orange					Grandir, Harglow, Pisana, Rouge du Roussillon, Screara	5
	dark o						Bhart, Francese, Harcot, Hâtif Colomer, Palsteyn	6
	red							7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
52.	QN	VG		(d)		-		
•	Fruit:	texture of flesh						
	fine						Fracasso, Harlayne, Koolgat, Peeka	1
	mediu	m					Canino, Cape Bebeco, Magyar kajszi, Piet Cillié	2
	coarse	e					Bergeron, Précoce d'Imola	3
53.	QN	VG	(+)	(d)				
	Fruit:	firmness of flesh						
	very s	oft					Viceroy	1
	soft						Alessandrino, Goldcot, Grandir	3
	mediu	m					Cape Bebeco, Magyar kajszi, Piet Cillié, Rouge du Roussillon, San Castrese	5
	firm						Bella d'Imola, Bergeron, Palsteyn, Suapriseven	7
	very fi	rm					Boccuccia Liscia, Borsi rózsa, Cacansko zlato, Harogem	9
54.	QN	MG		(d)				
	Fruit: fruit/w	ratio weight of veight of stone						
	low						Borsi rózsa, Reale d'Imola	3
	mediu	m					Blenheim, Hâtif Colomer, Portici, Primaya	5
	high						Badami, Bergeron, Hula Blush, San Castrese	7
55. (*)	QN	VG		(d)				
		adherence of to flesh						
	absent or very weak						Bergeron, Hargrand, Ninfa, Peeka	1
	weak						Canino, Nonno, Paz, Rouge du Roussillon, Sirena	3
	mediu	m					Tardif de Bordaneil	5
	strong						Comandor, Precoce di Toscana	7

		English		français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
56. (*)	PQ	VG	(+)	(d)		·		
<u>-</u>	Stone view	: shape in lateral						
	ovate						Goldcot, Grandir, Magyar kajszi, Portici	1
	circula	r					Canino, Eten Bey, Hargrand, Monaco Bello, Suaprieight	2
	elliptic						Bergeron, Roxanne, Vitillo	3
	oblong	oblong					Bella d'Imola, Calirose, Palsteyn, Rouge du Roussillon	4
	obova	te					Harcot, Harmat	5
57.	QN	VG	(+)	(d)				
	Kerne	l: bitterness						
	absen	t or weak					Bergeron, Harcot, Magyar kajszi,	1
							Orange Red, Reale d'Imola	
	mediu	m					Bella d'Imola, Harlayne, Ninja, Palsteyn, Suaprieight, Swired	2
	strong						Borsi rózsa, Canino, Colorado, Manicot, Memphis, Prevete, Samouraï, Supergold	3
58. (*)	QN	MG/VG	(+)			<u> </u>	1	
•	Time of	of beginning of ing						
	very e	arly					Bakour, Colorado, Currots, Harmat, Ninfa, Solitaire	1
	early						Canino, Harcot, Hâtif Colomer, Roxanne, San Castrese	3
	medium						Bhart, Magyar kajszi, Moniquí, Portici, San Francesco, Supergold	5
							Bergeron, Boccuccia Liscia, Farius, Harlayne, Ladisun, Polonais	7
	very la	te					Badami, Harglow, Skromnyj, Stella, Zard	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
59. (*)	QN	MG/VG	(+)				
	Time fruit r	of beginning of ipening					
	very e	arly				Bakour, Ninfa, Patriarca Temprano, Rutbhart, Samarkandskij rannij	1
	very e	arly to early				Monabri, Tsunami	2
	early					Bhart, Hâtif Colomer, Ladisun, Monaco Bello, Rouget de Sernhac, Tomcot	3
	early t	o medium				Goldrich, Hargrand, Magyar kajszi	4
	medium medium to late					Amber Gold, Bergeron, Harlayne, Pisana, Polonais	5
						Anegat	6
	late					Faralia, Larquen	7
	late to	very late				Fartoli	8
	very la	ate				Farclo, Lartago	9

8. <u>Explanations on the Table of Characteristics</u>

8.1 Explanations covering several characteristics

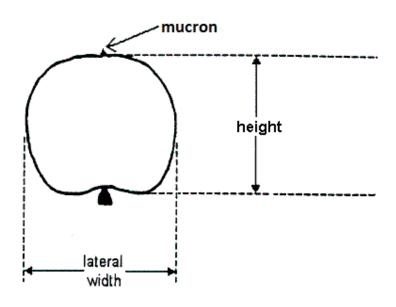
Characteristics containing the following key in the Table of Characteristics should be examined as indicated below:

- (a) <u>Tree/One-year-old shoot</u>: All observations on the tree and on the one-year-old shoot should be made during the dormant period, on trees that have fruited at least once.
- (b) <u>Leaf</u>: All observations on the leaf should be made on fully developed leaves from the middle third of a well developed current season's shoot.
- (c) <u>Flower:</u> All observations on the flower should be made on fully developed flowers at the beginning of dehiscence.

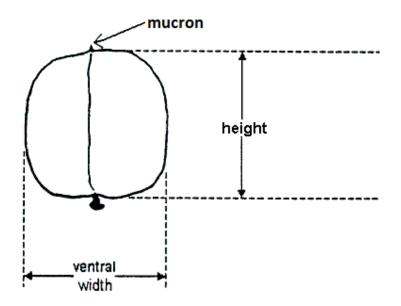
(d) <u>Fruit/Stone:</u> All observations on the fruit and stone should be made on 15 fruits, five from each of three trees. In the case of ten trees, 20 fruits should be observed, two from each tree.

Fruit: All observations on the fruit height, lateral and ventral width the ratio of the fruit as well as the mucron should be done according to the illustrations.

Lateral view



Ventral view

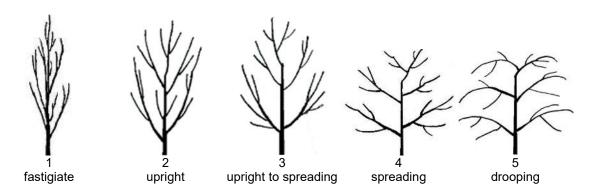


8.2 Explanations for individual characteristics

Ad. 1: Tree: vigor

The tree vigor should be considered as the overall abundance of vegetative growth.

Ad. 2: Tree: habit



Ad. 3: Tree: number of branches

Observations should relate the number of lateral branches and shoots, excluding fruiting shoots.

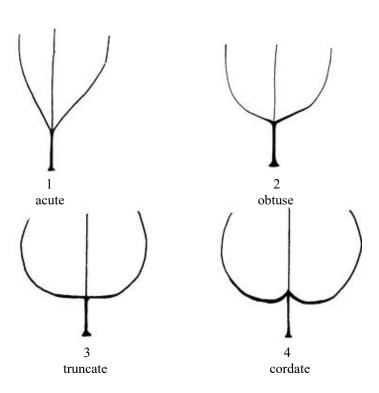
Ad. 5: Young shoot: intensity of anthocyanin coloration of apex

Observation should be done during rapid growth.

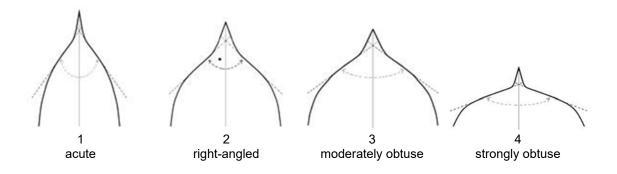
Ad. 6: One-year-old shoot: color on sunny side

Observations should be made in the middle of one-year-old primary shoots.

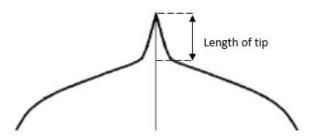
Ad. 12: Leaf blade: shape of base



Ad. 13: Leaf blade: angle of apex

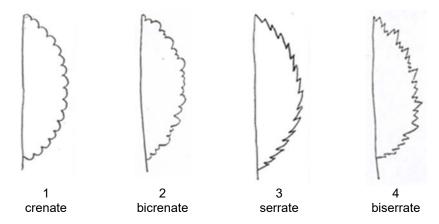


Ad. 14: Leaf blade: length of tip



Ad. 15: Leaf blade: incisions of margin

Observations should be done on the apical part of the leaf.



Ad. 17: Leaf blade: profile in cross section

Leaves observed should be on spurs or at base of flowering shoots.

Ad. 22: Petiole: number of nectaries

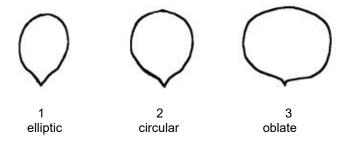


Ad. 25: Flower: position of stigma relative to anthers



Ad. 26: Petal: shape

Observations should exclude the claw.

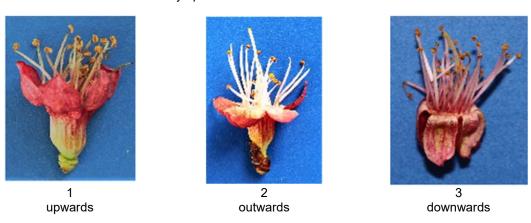


Ad. 27: Petal: color on lower side

Observations should be made just after opening of sepals on the lower side.

Ad. 28: Sepal: attitude

Observations should be made on fully opened flowers.



Ad. 29: Fruit: size

Observation should be made on the overall size of the fruit.

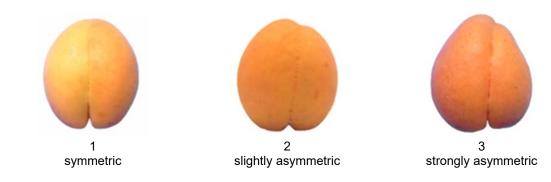
Ad. 30: Fruit: shape in lateral view

		←broade	est part →	
	below	middle	at middle	above middle
width (ratio length/width)				
narrow (high)			6 elliptic	
medium			5 oblong	
(medium)	1 triangular	2 ovate	4 circular	8 obovate
broad (low)			3 oblate	7 oblique rhombic

Ad. 31: Fruit: shape in ventral view

		← broad	dest part →	
	below	middle	at middle	above middle
width (ratio length/width)				
narrow (high)			6 elliptic	
medium			5 oblong	
(medium)	1 triangular	2 ovate	4 circular	7 obovate
broad (low)			3 oblate	

Ad. 37: Fruit: symmetry in ventral view

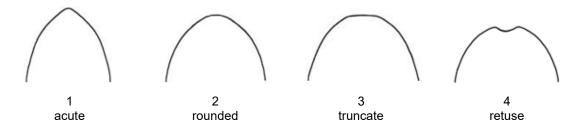


Ad. 38: Fruit: suture



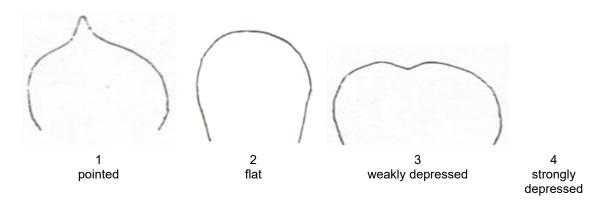
Ad. 40: Fruit: shape of apex

Observations should be made on fruits in lateral view.



Ad. 41: Fruit: shape of tip

Observations should exclude the mucron tip.



Ad. 47: Fruit: relative area of over color



Ad. 50: Fruit: pattern of over color



Ad. 53: Fruit: firmness of flesh

Observation is made by squeezing the fruit.

Ad. 56: Stone: shape in lateral view

		←broadest part →		
	below middle	at middle	above middle	
width (ratio length/width)				
narrow (high)		4 oblong		
medium (medium)	1 ovate	3 elliptic	5 obovate	
broad (low)		2 circular		

Ad. 57: Kernel: bitterness

Observation is made by tasting the kernel.

Ad. 58: Time of beginning of flowering

Observations or measurement should be made when 5-10% of the flowers are open.

Ad. 59: Time of beginning of fruit ripening

When 5-10% ripen fruits can be observed. Fruit ripening should be considered as the time of eating ripeness.

8.3 Synonyms of example varieties

Example Varieties Synonym(s)

Sant' Ambrogio Ambrosia, Saint Ambroise

Bhart NJA 32

Borsi rózsa Kecskemeter rose, Ružova neskora, Trandafirii tirzi

Čačacansko zlato Čačak's Gold

Earle Orange Erle Orange, Stark Earli Orange, Early Orange

Goldrich Sungiant

Magyar kajszi Cea mai bună de Ungaria, Hungarian Best, Klosterneuburger Aprikose,

Krasnoshchokij, Mađarska najbolja, Meilleur d'Hongrie, Ungarische Beste,

Pineapple Abricot d'Ananas, Ananas-Marille, Ananasnyj

Proimo Tyrinthos Précoce de Tyrinthe

Sateni Karmir Tabarza Yerevani Shalakh

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10. <u>Technical Questionnaire</u>

TECHN	NICAL Q	UESTIONNAIRE		Page {x} of {y}		Reference Number:		
						Application date: (not to be filled in by the applicar	nt)	
				CHNICAL QUESTION ection with an applicat		IRE for plant breeders' rights		
1.	Subject of the Technical Questionnaire							
	1.1	Botanical name	Pr	unus armeniaca L.]	
	1.2	Common name	Ap	pricot]	
2.	Applica Name Address Telepho Fax No. E-mail a Breedel	s one No. address r (if different from]]]]]	
3.	Propose (if availa	ed denomination and bred ed denomination able) r's reference	eder	's reference				

TECHN	IICAL Q	UESTIONNAIRE	Page {x} of {y}		Reference Number	r:
#4.	Informa	tion on the breeding scheme	and propagation of tl	he va	riety	
	4.1	Breeding scheme				
	Variety	resulting from:				
	4.1.1	Crossing				
	(a)	controlled cross				[]
		(please state parent varietie				
		()	Х	()
		female parent			male parent	
	(b)	partially known cross (please state known parent	variety(ies))			[]
		(please state known parent		x	()
		female parent			male parent	
	(c)	unknown cross				[]
	4.1.2	Mutation (please state parent variety)			[]
	4.1.3	Discovery and developmen (please state where and wh		ow de	veloped)	[]
	4.1.4	Other (Please provide details)				[]

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TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number	:
		_	_	
4.2 4.2.1	Method of propagating the v	variety		
(a) (b) (c)	Cuttings <i>In vitro</i> propagation Other (state method)			[] [] []
4.2.2	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 (1)	Tree: vigor		
	very weak	Sub-zero	1[]
	very weak to weak		2[]
	weak	Ninfa, Polonais, Rustic	3[]
	weak to medium		4[]
	medium	Bergeron, Canino, Peeka, Rouge du Roussillon	5[]
	medium to strong		6[]
	strong	Earle Orange, Magyar kajszi, Palsteyn, Pisana, Portici	7[]
	strong to very strong		8[]
	very strong	Monaco Bello, Moniqui, Solitaire, Viceroy	9[]
5.2 (2)	Tree: habit		
	fastigiate	Japan's Early	1[]
	upright	Harcot, Primando, Reale d'Imola	2[]
	upright to spreading	Ceglédi óriás, Paz, Proimo Tyrinthos, Veecot	3[]
	spreading	Blenheim, Canino, Grandir, Hargrand, Magyar kajszi	4[]
	drooping	Palsteyn, Pisana, Polonais, Vesna	5[]
5.3 (29)	Fruit: size		
	very small	Haggith, Menace, Supergold, Zard	1[]
	very small to small		2[]
	small	Borsi rózsa, Hâtif Colomer, Ladisun, Patriarca Temprano	3[]
	small to medium		4[]
	medium	Cafona, Canino, Harcot, Paz	5[]
	medium to large		6[]
	large	Ceglédi bíbor, Moniquí, Portici	7[]
	large to very large		8[]
	very large	Ceglédi óriás, Hargrand, Palsteyn, Pisana	9[]

	Characteristics	Example Varieties	Note
5.4 (30)	Fruit: shape in lateral view		
	triangular	Luizet	1[]
	ovate	Bergeron, Calirose, Pisana	2[]
	oblate	Korai zamatos, Nugget, Patriarca Temprano	3[]
	circular	Earle Orange, Grandir, Ninfa, Ouardi, Polonais	4[]
	oblong	Blenheim, Portici, Sundrop	5[]
	elliptic	Précoce d'Imola, Wenatchee, Yerevani	6[]
	oblique rhombic	Banga, Bulida, Canino, Vulcan	7[]
	obovate	Harcot, Harmat, Trevatt	8[]
5.5 (46)	Fruit: ground color of skin		
	not visible	Ravicille, Ravilong	1[]
	white	San Nicola, Shirazskij belyj	2[]
	yellowish	Piet Cillié, Soldonné, Vitillo, Yerevani	3[]
	yellow green	Grüne Spätmarille, Kaisi Ashtarak, Roxy, Sateni Karmir	4[]
	light orange	Canino, Goldcot, Hargrand, Portici, Rouge du Roussillon, Roxanne	5[]
	medium orange	Calirose, Hâtif Colomer, Luizet, Pisana, Veecot	6[]
	dark orange	Bhart, Harcot, Harogem	7[]
5.6 (47)	Fruit: relative area of over color		
	absent or very small	Charisma, Maria Matilde, Moniquí, Yerevan	i1[]
	small	Cafona, Canino, Cape Bebeco, Goldrich	3[]
	medium	Hâtif Colomer, Magyar kajszi, Palsteyn, Portici, Roxy	5[]
	large	Bergeron, Bhart, Golden Blush, Pisana	7[]
	very large	Ravicille, Ravilong	9[]
5.7 (51)	Fruit: color of flesh		
	white	Cibo del Paradiso, Mouchbah Mourry, Spitak	1[]
	whitish green	Amban	2[]
	yellowish white	Barese, Malatya, Moniquí, Patriarca Temprano	3[]
	light orange	Canino, Cape Bebeco, Harmat, San Castrese, Yerevani	4[]
	medium orange	Grandir, Harglow, Pisana, Rouge du Roussillon, Screara	5[]
	dark orange	Bhart, Francese, Harcot, Hâtif Colomer, Palsteyn	6[]
	red		7[]

	Characteristics	Example Varieties	Note
5.8 (58)	Time of beginning of flowering		
	very early	Bakour, Colorado, Currots, Harmat, Ninfa, Solitaire	1[]
	early	Canino, Harcot, Hâtif Colomer, Roxanne, San Castrese	3[]
	medium	Bhart, Magyar kajszi, Moniquí, Portici, San Francesco, Supergold	5[]
	late	Bergeron, Boccuccia Liscia, Farius, Harlayne, Ladisun, Polonais	7[]
	very late	Badami, Harglow, Skromnyj, Stella, Zard	9[]
5.9 (59)	Time of beginning of fruit ripening		
	very early	Bakour, Ninfa, Patriarca Temprano, Rutbhart, Samarkandskij rannij	1[]
	very early to early	Monabri, Tsunami	2[]
	early	Bhart, Hâtif Colomer, Ladisun, Monaco Bello, Rouget de Sernhac, Tomcot	3[]
	early to medium	Goldrich, Hargrand, Magyar kajszi	4[]
	medium	Amber Gold, Bergeron, Harlayne, Pisana, Polonais	5[]
	medium to late	Anegat	6[]
	late	Faralia, Larquen	7[]
	late to very late	Fartoli	8[]8
	very late	Farclo, Lartago	9[]

TECHNICAL QUESTION	NAIRE Pag	ge {x} of {y}	Reference Nu	umber:		
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 your candidate varied from the similar varied	ety differs the char	e the expression of acteristic(s) for the ilar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety		
Example	Fruit: ground color	of skin	ight orange	dark orange		
Comments:						

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TECHN	IICAL Q	UESTIONNAIRE	Page {x} of {y}	Reference Number:		
#7.	Additional information which may help in the examination of the variety					
7.1	In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?					
	Yes	[]	No	[]		
	(If yes,	please provide details)				
7.2	Are the	re any special conditions for	growing the variety or cond	ducting the examination?		
	Yes	[]	No	[]		
	(If yes,	please provide details)				
7.3	Other in	nformation				
 7.3 Other information A representative color photograph of the variety displaying its main distinguishing feature(s), should accompany the Technical Questionnaire. The photograph will provide a visual illustration of the candidate variety which supplements the information provided in the Technical Questionnaire. The key points to consider when taking a photograph of the candidate variety are: Indication of the date and geographic location Correct labeling (breeder's reference) Good quality printed photograph (minimum 10 cm x 15 cm) and/or sufficient resolution electronic format version (minimum 960 x 1280 pixels)" Further guidance on providing photographs with the Technical Questionnaire is available in document TGP/7 "Development of Test Guidelines", Guidance Note 35 (http://www.upov.int/tgp/en/). [The link provided may be deleted by members of the Union when developing authorities' own test guidelines.] 						

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TEC	HNICA	L QUESTIONNAIRE	Page {x} of {y}	Reference 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 such authorization l	peen obtained?			
		Yes []	No []			
	If the	answer to (b) is yes, pleas	se attach a copy of the auth	orization.		
9. In	formation	on on plant material to be	examined or submitted for e	examination		
9.1 pest roots	s and o	disease, chemical treatm		stics of a variety may be affected by factors, such s or pesticides), effects of tissue culture, differentetc.		
char has	acterist undergo	ics of the variety, unless one such treatment, full d	the competent authorities a	atment which would affect the expression of tallow or request such treatment. If the plant mater to be given. In this respect, please indicate below, has been subjected to:		
	(a)	Microorganisms (e.	g. virus, bacteria, phytoplasi	ma) Yes [] No []		
	(b)	Chemical treatment	(e.g. growth retardant, pest	ticide) Yes [] No []		
	(c)	Tissue culture		Yes [] No []		
	(d)	Other factors		Yes [] No []		
	Ple	ase provide details for wh	ere you have indicated "yes			
9.3 I	Has the	plant material to be exam	ined been tested for the pre	esence of virus or other pathogens?		
	Yes	[]				
	(pleas	se provide details as spec	ified by the Authority)			
	No	[]				
10.	I he	ereby declare that, to the b	est of my knowledge, the ir	nformation provided in this form is correct:		
	App	olicant's name				
	Sig	nature		Date		