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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
 GENEVA

DRAFT

FIG	*
UPOV Code: FICUS_CAR	
<i>Ficus carica L.</i>	

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Spain

*to be considered by the
 Technical Working Party for Fruit Crops
 at its thirty-ninth session, to be held in Lisbon, Portugal, from June 2 to 6, 2008*

Alternative Names:^{*}

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Ficus carica L.</i>	Fig	Figuier	Echte Feige, Feige	Higuera

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

ASSOCIATED DOCUMENTS

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

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

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1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Ficus carica* L.

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 rooted cuttings.

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

5 rooted cuttings.

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 growing cycle is considered to be the duration of a single growing season, beginning with bud burst, 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*

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. In particular, it is essential that the trees produce a satisfactory crop of fruit in each of the two growing cycles.

3.4 *Test Design*

3.4.1 Each test should be designed to result in a total of at least 5 trees.

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*

Unless otherwise indicated, all observations should be made on 5 plants or parts taken from each of 5 plants. In the case of parts of plants, the minimum number to be taken from each of the plants should be 2.

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 For the assessment of uniformity, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 5 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 tested, either by growing a further generation, or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness 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) Fruit: skin ground color (main crop) (characteristic 37.2)
- (b) Fruit: pulp color (main crop) (characteristic 42.2)
- (c) Productive types (characteristic 54)
- (d) Fruit: time of beginning of fruit maturity (main crop) (characteristic 55.2).

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 6.1.2

QL: Qualitative characteristic – see Chapter 6.3

QN: Quantitative characteristic – see Chapter 6.3

PQ: Pseudo-qualitative characteristic – see Chapter 6.3

(a)-(c) 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

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplos	Note/ Nota
1. (*) (+)	Plant: growth habit		Planta: hábito de crecimiento		
QN	(a) upright		erecto	Smyrna, Perolaza	1
	semi-upright		semierecto	Blanca Foyos, Jorba	3
	spreading		esparcido	Col de dame, Cordobis, San Antonio	5
2. (*) (+)	Plant: weeping of secondary shoots		Planta: presencia de ramas secundarias colgantes		
QL	(a) absent		ausente	De Rey	1
	present		presente	Col de Dame	2
3. (*) (+)	Plant: vigor		Planta: vigor		
QN	(a) weak		débil	Verdejuela, Bota Morada	3
	medium		medio	Cordobis, Kadota	5
	Strong		fuerte	La Casta	7
4.	Plant: number of basal suckers		Planta: número de rebrotos basales		
QN	(a) few		pocos	Hoñigal, Blava,	3
	medium		medio	Kadota, Boyuna	5
	many		muchos	Roja Almohadín	7
5. (*)	Plant: density of branching		Planta: densidad de ramificación		
QN	(a) sparse		escasa	De Rey, Kadota, Perolaza	3
	medium		media	Nazaret, San Antonio,	5
	dense		densa	Bota Morada, Cabatxa	7

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
English	français	deutsch	español		
6. (*) (+)	Plant: bark tubers [Illustration to be improved]		Planta: número de protuberancias corticales		
QL	(a) absent			De Rey	1
	present			Bermejí	9
7 (*) (+)	Plant: number of bark tubers		Planta: número de protuberancias corticales		
QN	(a) few		ausente o muy pocos	Granito, La Casta, San Antonio	3
	medium		pocos	Pezonuda, Cabatxa, Blanca Betera	5
	many		muchas	Bermejí, Jorba, Cucurella	7
8. (+)	One-year-old shoot: color		Rama del año: color		
PQ	(a) orange		naranja	Panachée	1
	brown		marrón	Mare de Deu, Ayuela, Cabatxa,	2
	grey-brown		marrón grisáceo	Cordobis, Blanca Foyos	3
	grey		gris	Blanca Albondón	4
9. (*) C	One-year-old shoot: length of internodes		Rama del año: longitud de los entrenudos		
QN	(a) short		corto	Arali Cordobis	3
	medium		medio	Cabatxa, Doña María, San Antonio	5
	long		largo	Perolaza	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
10. <small>(*) (+)</small>	One-year-old shoot: number of internodes		Rama del año: número de entrenudos		
QN (a)	few		pocos	Cordobis, Cabatxa	3
	medium		medio	Arail, Albacor	5
	many		muchos	Brown Turkey, Perolaza,	7
11. <small>(*)</small>	Terminal bud: length/ width ratio		Yema terminal: ratio longitud/anchura		
QN (a)	small		pequeño	Tres Collitas, Tres Voltas l'any-2.	3
	medium		medio	De Baco, Kadota, White Genova,,	5
	large		largo	Albacor, Blanca Betera, Jorba,	7
12. <small>(*)</small>	Terminal bud: size		Yema terminal: tamaño		
QN (a)	small		pequeña	Lampaga	3
	medium		media	Tocal	5
	large		grande	Pezonuda	7
13. <small>(*)</small>	Terminal bud: color		Yema terminal: color		
PQ (a)	yellow-green		verde amarillento	Nazaret	1
	grey-green		verde grisáceo		2
	orange		naranja	Blava	3
	brown		marrón	Roja Almohadín	4
	grey-brown		marrón grisáceo	Albacor, Col Dama Blanco	5

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
14. <small>(*) (+)</small>	Shoot: bud support swellings		Rama: hinchazones nódulos		
QN	(a) absent or very small		ausentes o muy leves	Ayuela, Bota Morada	1
	small		leves	Lampaga	3
	medium		medio	Verdejuela	5
	large		prominentes	Roja Almohadín	7
15. <small>(*) (+)</small>	Two-year-old shoot: trajectory		Rama de dos años: trayectoria		
PQ	(a) linear		lineal	Pecho de Reina, De Rey	1
	curved		curva	La Casta, Ayuela, Verdejo	2
	sinuous		sinuosa	Burreña, Bota Morada, Hoñigal	3
16. <small>(+)</small>	Shoot: number of leaves		Número de hojas por brote		
QN	(b) few		bajo	Aral, Bermesca, Hortella,	3
	medium		medio	Pell de Bou, White Genova	5
	many		alto	Bota Morada, Picholetera,	7
17. <small>(*) (+)</small>	Leaf: predominant type		Hoja: tipo predominante de hojas		
QN	(b) entire		entera	Martinena	3
	three-lobed		trilobulada	Lampaga, Verdejo, White Genova	5
	five-lobed		pentagonal	Albacor, Perolaza, Roja Almohadín	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplos	Note/ Nota
18. (*) (+)	Only varieties with lobed leaves: Leaf: shape of central lobe		(Sólo variedades con hojas lobuladas) Hoja: forma del lóbulo central		
PQ (b)	spatulate		espatulada	Genyva mort, Tres Collitas White Genova	1
	linear		lineal	Roja Almohadín,	2
	lanceolate		lanceolada	Bermejí, Granito, San Antonio,	3
	liarte		liriada	Albacor, Perolaza,	4
	triangular		triangular	Albar, Cabatxa, Lampaga	5
	romboidal		romboidal		6
19. (*) (+)	Only varieties with lobed leaves Leaf: ratio length of central lobe/length of blade		(Sólo variedades con hojas lobuladas) Hoja: ratio longitud lóbulo central /longitud hoja		
QN (b)	small		bajo	Albar y Doña María	3
	medium		medio	De Rey, La Casta, Moisonière, San Antonio	5
	large		alto	Conadria, Cordobis, Tres voltas l'any-	7
20. (*) (+)	Leaf: shape of leaf base (petiole sinus)		Hoja: forma seno peciolar		
PQ (b)	decurrent		decurrente		1
	truncate		truncado	Blanca Betera	2
	cordate		cordado	De Rey, Negra Calabacilla, San Antonio	3
	calcarate		calcáreo	Hoñigal, Pell de Bou	4
	open calcarate		calcáreo abierto	Blanca Albondón	5

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
21. (*) (+)	Leaf blade: length		Limbo: longitud		
QN (b) short			corta	Tres Voltas l'any-2	3
medium			media	Genyva mort, Sitsel	5
long			larga	Blava_Pezonuda, De Rey	7
22. (*)	Leaf blade: width		Limbo: anchura		
QN (b) narrow			estrecha	<u>three-lobed:</u> Bermejí „ Verdejuela	3
medium			media	<u>five-lobed:</u> Bermesca, Bermejí	
broad			ancha	<u>entire:</u> Verdejo <u>three-lobed:</u> Cucurella, La Casta	5
NOTE: to delete because relation with the number of lobes				<u>five-lobed:</u> Cordobis <u>entire:</u> Lampaga	
				<u>three-lobed:</u> Albar, Blava	7
				<u>five-lobed:</u> Colar, Nazaret	
				<u>entire:</u> Kadota	

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
23. (*)	Leaf: petiole length		Hoja: longitud pecíolo		
QN (b)	short		corto	<u>three-lobed:</u> Boja o Farta Belitres, Genyva mort,	3
				<u>five-lobed:</u> Genyva mort, Moisoniere.	
				<u>entire:</u> Verdejo	
medium			medio	<u>three-lobed:</u> Cucurella, De Butxaca, De Rey	5
				<u>five-lobed:</u> Bota morada, Coll Dama Rosa	
				<u>entire:</u> Kadota	
long			largo	<u>three-lobed:</u> Albar, Picholetera	7
NOTE: to delete , because relation with the number of lobes				<u>five-lobed:</u> Boyuntire: Picholetera	
24. (*)	Leaf: ratio petiole length/ blade length		Hoja: ratio longitud pecíolo/longitud limbo		
QN (b)	small		pequeño	Genyva mort, Moisoniere	3
	medium		medio	Albar, Verdejo	5
	long		largo	Picholetera, Roja Almohadin	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemclo	Note/ Nota
25. (*) (+)	Leaf: petiole thickness		Hoja: anchura pecíolo		
QN (b) narrow			estrecho	<u>three-lobed:</u> Cordobis, Verdejuela	3
				<u>five-lobed:</u> Algerina, Hortella <u>entire:</u> Lampaga	
medium			medio	<u>three-lobed:</u> Coll Dama Rosa, Moisoniere	5
				<u>five-lobed:</u> Bota Morada, Negra común	
broad			ancho	<u>entire:</u> Picholetera	
NOTE: to delete , because relation with the number of lobes				<u>three-lobed:</u> Albar, Blava	7
				<u>five-lobed:</u> Blava, Hoñigal, Nazaret	
				<u>entire:</u> Kadota	
26. (*) (+)	Lobed leaf: little lateral lobes on petiole sinus		Hojas lobuladas: lobulillos en el seno peciolar		
QL (b) absent			ausente	Cabatxa, La Casta	1
	present		presente	Ayuela, Perolaza	2
27. (*)	Lobed leaf: size of little lateral lobes on petiole sinus (only varieties with presence of those little lateral lobes)		Hojas lobuladas: tamaño de los lobulillos en el seno peciolar (sólo variedades con presencia de dichos lobulillos)		
QN (b) small			pequeño	San Antonio	3
	medium		medio	Ayuela	5
	large		grande	Perolaza	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
28. (*) (+)	Entire leaf: shape			Hoja entera: forma	
PQ (b) triangular			triangular	Lampaga	1
heart-shaped			acorazonada	Picholetera	2
lanceolate			lanceolada	Imperial 76	3
oblong			oblonga	Verdejo	4
29.1 (*) (+)	Fruit: shape (first crop)			Fruto: forma (breva)	
PQ (c) spherical			esférica	De Butxaca, Genyva mort	1
cucurbitiform			cucurbiforme	Conadria, De Rey	2
turbinate			turbanada	Pell de Bou, Torrebaja-2	3
ovoidal (obovate)			ovoidal	Verdaleta	4
pyriform			piriforme	Cabatxa, Sitcel	5
apeonzada			apeonzada	Moisoniere, Verdejuela	6
29.2 (*) (+)	Fruit: shape (main crop)			Fruto: forma (higo)	
PQ (c) spherical			esférica	Bermejí, Bermesca	1
cucurbitiform			cucurbiforme	Boja o farta Belitres Picholetera,	2
turbinate			turbanada	Ayuela, Blanca Betera	3
ovoidal (obovate)			ovoidal	Burreña, Sitcel	4
pyriform			piriforme	Jorba, Perolaza, Verdaleta	5
apeonzada			apeonzada	Blanca Foyos, Burjassot negre	6

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
30.1 (*)	Fruit: size (first crop)		Fruto: tamaño (breva)		
QN (c)	small		pequeño	Bermejí, Verdejuela	1
	medium		mediano	Boyuna, De Butxaca	3
	large		grande	Brown Turkey, Lampaga	5
30.2 (*)	Fruit: size (main crop)		Fruto: tamaño (higo)		
QN (c)	small		pequeño	Burreña, Cordobis, Granito	1
	medium		medio	Coll Dama Blanco, Perolaza	3
	large		grande	Brown Turkey, Conadria	5
31.1 (*) (+)	Fruit: length (first crop)		Fruto: longitud (breva)		
QN (c)	short		corto	Bermejí	3
	medium		medio	Genyva mort, Granito	5
	long		largo	Blanca Betera, Verdaleta	7
	very long		muy largo	Conadria, De Rey	9
31.2 (*) (+)	Fruit: length (main crop)		Fruto: longitud (higo)		
QN (c)	short		corto	Cordobis, La Casta	1
	medium		medio	Bermesca, Cabatxa	3
	long		largo	Coll Dama Rosa, De Baco	5
	very long		muy largo	Perolaza	7

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
English	français	deutsch	español		
32.1 (*)	Fruit: width (first crop)		Fruto: anchura (breva)		
QN (c)	small		pequeño	Moisoniere	1
	medium		medio	Albacor ,De Rey	3
	large		ancho	San Antonio	5
	very large		muy ancho	Brown Turkey, Nazaret, Perdigona negra	7
32.2 (*)	Fruit: width (main crop)		Fruto: anchura (higo)		
QN (c)	small		pequeño	Cordobis, Jorba	1
	medium		medio	Bermesca, La Casta	3
	large		ancho	Bermejí	5
	very large		muy ancho	Brown Turkey, Conadria, Nazaret	7
33.1 (*)	Fruit: weight (first crop)		Fruto: Peso (breva)		
QN (c)	very light		muy bajo	Algerina	1
	light		bajo	Verdaleta	3
	medium		medio	De Butxaca	5
	heavy		alto	Brown Turkey, Conadria, Nazaret	7
33.2 (*)	Fruit: weight (main crop)		Fruto: peso (higo)		
QN (c)	very light		muy bajo	Burreña, Cordobis, Jorba	1
	light		bajo	De Butxaca, De Rey, Granito San Antonio,	3
	medium		medio	Coll de negre, Negra Cabezuela	5
	heavy		alto	Brown Turkey, Conadria	7

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español	
34.1 (+)	Fruit: neck length (first crop)			Fruto: longitud del cuello (brevas)	
QN	(c) absent			ausente	De Butxaca, Tres Collitas
	short			corto	Bermejí, Granito, Porronta
	medium			medio	Lampaga, San Antonio
	long			largo	Conadria, De Rey
34.2 (+)	Fruit: neck length (main crop)			Fruto: longitud del cuello (higos)	
QN	(c) absent			ausente	Genyva mort, La Casta
	short			corto	Bermejí, Burreña, Doña María
	medium			medio	Cabatxa
	long			largo	Coll de negre, Picholetera, Verdaleta
35.1 (+)	Fruit: ostiole size (first crop)			Fruto: tamaño del ostíolo (breva)	
QN	(c) small			pequeño	Algerina, Verdaleta
	medium			medio	De Rey, Tres Collitas
	large			grande	Brown Turkey, Perdigona negra

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
35.2 (c) Fruit: ostiole size (main crop) (+)				Fruto: tamaño del ostiolo (higo)		
QN	small			pequeño	Burreña, Cordobis, Jorba	3
	medium			medio	Bermesca	5
	large			grande	Bermejí, Perdigona negra, White Genova,	7
36.1 (*) (+)	Fruit: stalk length (first crop)			Fruto: longitud del pedúnculo (breva)		
PQ	(c) short			corto	Bermejí, De Baco, Tres Voltas l'Any-2	1
	medium			medio	Conadria	2
	long			largo	Tres Collitas	3
36.2 (*) (+)	Fruit: stalk length (main crop)			Fruto: longitud del pedúnculo (higo)		
PQ	(c) short			corto	Doña María, La Casta, San Antonio	1
	medium			medio	Albar, Cordobis, Granito	2
	long			largo	Bermesca, De Butxaca, White Genova	3

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
37.1 (*) (+)	Fruit: skin ground color (first crop)		Fruto: color de fondo de la piel (breva)		
PQ (c)	black		negro	Albacor	1
	purple		púrpura	Moisoniere, San Antonio	2
	green bands and yellow bands		bandas verdes y bandas amarillas	Paratjal Rimada	3
	yellow green		verde amarillento	Conadria, Granito	4
	green yellow		amarillo verdoso	Lampaga	5
	green		verde	Sitsel	6
	yellow		amarillo	Genyva mort	7
37.2 (*) (+)	Fruit: skin ground color (main crop)		Fruto: color del fondo de la piel (higo)		
PQ (c)	black		negro	Albacor	1
	purple		púrpura	Brown Turkey, Moisoniere, San Antonio	2
	green		verde	Cornudella Verdal	3
	green bands and yellow bands		bandas verdes y bandas amarillas	Panaché	4
	yellow green		verde amarillento	Bermejí, Conadria, Picholetera	5
	green yellow		amarillo verdoso	Bermesca, Granito	6
	yellow		amarillo	Genyva mort	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
38.1 (*) (+)	Fruit: skin overcolor (first crop)		Fruto: sobrecolor (breva)		
PQ (c) none			ninguno	Albacor, Blanca Betera, Conadria	1
yellow			amarillo	Zuguele	2
red purple			púrpura rojizo	Verdaleta	3
purple			púrpura	D'en Manel	4
38.2 (*) (+)	Fruit: skin overcolor (main crop)		Fruto: sobrecolor (higo)		
PQ (c) none			ninguno	Albacor, Conadria	1
yellow			amarillo	Verdaleta	2
red purple			púrpura rojizo	Pell de Bou	3
purple			púrpuras	Sarrona	4
39.1 (*)	Fruit: lenticels quantity (first crop)		Fruto: cantidad de lenticelas (breva)		
QN (c) scarce			Escasas	Calabacita	3
intermediate			media	Albacor, De Rey, San Antonio	5
numerous			numerosas	Conadria, Bermejí, Moisoniere, Sitsel	7
39.2 (*)	Fruit: lenticels quantity (main crop)		Fruto: cantidad de lenticelas (higo)		
QN (c) scarce			escasas	Calabacita, Picholetera	3
intermediate			media	Albacor, Doña María, La Casta	5
numerous			numerosas	Bermejí, Cucurella, De Rey, Moisoniere	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
40.1	Fruit: lenticels color (main crop)		Fruto: color de las lenticelas (brevas)		
QL	(c) white		Blancas	Blanca Betera, Kadota	1
	pink		Rosas	Albacor, Ademuz, San Antonio, Verdejo	2
	green NOTE: to delete		Verde	Calabacita, De Butxaca, Granito	3
40.2	Fruit: lenticels color (main crop)		Fruto: color de las lenticelas (higos)		
QL	(c) white		blancas	Cabatxa, Conadria, Cucurella, Perolaza	1
	pink		rosas	Albacor, Brown Turkey, Colar, Boja o Farta Belitres	2
	green NOTE: to delete		verde	De Butxaca	3
41.1	Fruit: lenticels large size (first crop)		Fruto: lenticelas de tamaño grande (brevas)		
QN	(c) absent		ausentes	Granito, Tres Collitas, De Butxaca	1
	present		presentes	Kadota, Nazaret, Sitcel	2
41.2	Fruit: lenticels size (main crop)		Fruto: tamaño de las lenticelas (higos)		
QN	(c) absent		ausentes	Conadria, De Rey	1
	present		presentes	Bermejí, Cabatxa	2

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
42.1 (*) (+)	Fruit: pulp color (first crop)			Fruto: color de la pulpa (breva)		
PQ	yellow-white			blanco amarillento	San Joao Branco	1
	amber			ámbar	Genyva mort, Granito, San Antonio	2
	pink			rosa	Brown Turkey, Conadria, De Butxaca	3
	red			rojo	Bermejí, Verdaleta	4
	purple			púrpura	Napolitana negra	5
	orange-red			rojo anarajando	Perdigona negra	6
	light brown			marrón claro	Dauphina, Lampaga, Moscatel	7
	dark brown			marrón oscuro	Verdejo	8
42.2 (*) (+)	Fruit: pulp color (main crop)			Fruto: color de la pulpa (higo)		
PQ	(c) yellow-white			blanco amarillento	San Joao Branco	1
	amber			ámbar	Bermesca, De Butxaca, Doña María, Perolaza	2
	pink			rosa	Picholetera, Verdejo, White Genova	3
	red			rojo	Bermejí, Calderona, Cordobis, Moisoniere	4
	purple			púrpura	Calabacilla, Coll Dama Rosa, Sarrona, Negra	5
	orange- red			rojo anaranjado	Pell de Bou, Sitcel, Torrebaja 2	6
	light brown			marrón claro	San Antonio, Algerina	7
	dark brown			marrón oscuro	Ayuela, Casas Bajas	8

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
43.1 (*)	Fruit: cavity pulp (first crop)		Fruto: cavidad pulpa (brevas)		
QN (c) absent or very small			Ausente o muy pequeña	Bermejí, Granito, Moisoniere, Sitcel	1
small			pequeña	Lampaga, De Butxaca, De Butxaca, San Antonio, Verdaleta	3
medium			medianas	Brown Turkey, Conadria, Verdejuela	5
large			grande	D'n Manel, Verdejuela	7
43.2 (*)	Fruit: cavity pulp (main crop)		Fruto: cavidad pulpa (higos)		
QN (c) absent or very small			ausente o muy pequeña	Ayuela, De Rey, Granito, Moisoniere	1
small			pequeña	Burreña, Conadria, La Casta, Picholetera, San Antonio, Sitcel	3
medium			medianas	Cordobis, Negra Común, Sarrona, Verdaleta	5
large			grande	Brown Turkey, Genyva Mort	7
44.1	Fruit: juiciness (first crop)		Fruto: jugosidad (breva)		
QN (c) low			bajo	Negra Cabezuela, Zuguele	3
medium			medio	Brown Turkey, Conadria, De Rey	5
high			alto	Bermejí, Granito, Tres Collitas, San Antonio	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
44.2 (c) Fruit: juiciness (main crop)			Fruto: jugosidad (higo)		
QN	low		bajo	Genyva mort, Moisoniere, Verdejuela	3
	medium		medio	Conadria, De Butxaca, Picholetera, Verdaleta	5
	high		alto	Ayuela, Bermesca, Granito, Tres Collitas, Sarrona,	7
45.1 (*) (+)	Fruit: firmness of the skin (first crop)		Fruto: firmeza de la piel (breva)		
QN	(c) soft		blanda	Verdejuela	3
	medium		media	Lampaga, Negra Cabezuela, Pell de Bou	5
	firm		firme	Albacor, De Rey, Kadota, Moisoniere	7
	rubbery		elástica	Boyuna, San Antonio	9
45.2 (*) (+)	Fruit: firmness of the skin (main crop)		Fruto: firmeza de la piel (higo)		
QN	(c) soft		blanda	Ayuela, De Butxaca	3
	medium		media	Blava, Doña María, Granito, San Antonio	5
	firm		firme	Cabatxa, Cucurella, De Rey, Lampaga, Picholetera	7
	rubbery		elástica	Panachée, Perolaza	9

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
46.1 (*)	Fruit: number of achenes (first crop)		Fruto: cantidad de aquenios (breva)		
QN (c) low			bajo	Bermejí, Casas Bajas, Verdaleta,	3
medium			medio	Conadria, De Rey, Lampaga, Kadota San Antonio	5
high			alto	Bec de Perdiu, Moisoniere	7
46.2 (*)	Fruit: number of achenes (main crop)		Fruto: cantidad de aquenios (higo)		
QN (c) low			bajo	Jorba, Verdaleta, White Genova	3
medium			medio	Bermesca, De Rey, Doña María, San Antonio	5
high			alto	La Casta, Moisoniere	7
47.1	Fruit: achenes size (first crop)		Fruto: tamaño de los aquenios (breva)		
QN (c) small			pequeño	Blanca Betera Casas Bajas, Verdejuela	3
medium			medio	Bermejí, De Rey, Moisoniere, San Antonio	5
large			grande	Albacor, Conadria, Lampaga, Verdaleta	7
47.2	Fruit: achenes size (main crop)		Fruto: tamaño de los aquenios (higo)		
QN (c) small			pequeño	Calderota, La Casta,	3
medium			medio	Albacor, Ayuela, Doña María, Moisoniere,	5
large			grande	Boja o farta Belitres, Cucurella, De Rey, Lampaga,	7

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español	
48.1	Fruit: ribbing (first crop)			Fruto: acostillamiento (breva)	
QN	(c) absent or very weak			ausente o débil	Genyva mort, Granito, Pell de Bou 3
	medium			medio	Lampaga, Negra, Perdigona 5
	strong			fuerte	Bermesca, De Rey, San Antonio 7
48.2	Fruit: ribbing (main crop)			Fruto: acostillamiento (higo)	
QN	(c) absent or very weak			ausente o débil	Albar, Ayuela., Burreña, Doña María 3
	medium			medio	Cordobis, Lampaga, Perolaza, San Antonio 5
	strong			fuerte	Bermesca, De Rey 7
49.1	Fruit: expression of skin cracks (first crop) (*) (+)			Fruto: grietas en la piel (breva)	
PQ	(c) absent or very weak			ausentes o muy débiles	Boyuna 1
	cracked skin			al azar	De Rey 2
	scarce longitudinal cracks			longitudinales	Albacor 3
49.2	Fruit: expression of skin cracks (main crop) (*) (+)			Fruto: grietas en la piel (higo)	
PQ	(c) absent or very weak			ausentes o muy débiles	Boyuna 1
	cracked skin			al azar	Jorba, 1
	scarce longitudinal cracks			longitudinales	Color de mort, Granito 2

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
English	français	deutsch	español		
50.1	Fruit: ostiolo cracks (first crop)		Fruto: grietas en el ostiolo (breva)		
QL	(c) absent		ausentes	Genyva mort, San Antonio	1
	present		presentes	De Baco, De Rey, Perdigona Negra	2
50.2	Fruit: ostiole cracks (main crop)		Fruto: grietas en el ostiolo (higo)		
QL	(c) absent		ausentes	Bermesca, Jorba, Perolaza, San Antonio, Verdaleta	1
	present		presentes	Conadria, De Baco,	2
51.1	Fruit: fruits per shoot (first crop)		Fruto: frutos por brote (breva)		
QN	(c) low		bajo	Bec de Perdiu	3
	medium		medio	De Rey	5
	high		alto	Albacor	7
51.2	Fruit: fruits per shoot (main crop)		Fruto: frutos por brote (higo)		
QN	(c) low		bajo	Arail, Perolaza	3
	medium		medio	De Rey	5
	high		alto	Brown Turkey, De Butxaca, Kadota	7
52.1	Fruit: abscission of the stalk from the twig (first crop)	(*)	Fruto: abscisión del pedúnculo del tallo (breva)		
QN	(c) easy		fácil	De Rey, Moisoniere	3
	medium		media	Albacor, Pell de Bou, Verdaleta	5
	hard		difícil	Lampaga	7

				Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
	English	français	deutsch	español	
52.2 (*)	Fruit: abscission of the stalk from the twig (main crop)			Fruto: abcisión del pedúnculo del tallo (higo)	
QN	(c) easy			fácil	Bermesca, Moisoniere 3
	medium			media	Perolaza, La Casta, Verdaleta 5
	hard			difícil	Bermejí 7
53.1 (+)	Fruit: ease of peeling (first crop)			Fruto: facilidad de pelado (breva)	
PQ	(c) easy			fácil	Albacor, De Rey 1
	medium			medio	2
	difficult			difícil	Lampaga 3
53.2 (+)	Fruit: ease of peeling (main crop)			Fruto: facilidad de pelado (higo)	
PQ	(c) easy			fácil	Doña María 1
	medium			medio	La Casta, Moisiniere, Perolaza, San Antonio 2
	difficult			difícil	Cabatxa 3
54. (*) (+)	Productive types			Tipos productivos	
QL	(c) Unífera			Unífera	Picholetera 1
	Bífera			Bífera	Albacor 2
	San Pedro			San Pedro	Lampaga, Nazaret 3
	Smirna			Smirna	Smyrna 4
	Caprifig			Cabrahigo	Tocal 5

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
55.1 (*)	Fruit: time of beginning of fruit maturity (first crop)			Fruto: fecha inicio maduración (breva)		
QN	early			temprana	Nazaret, San Antonio	3
	medium			media	Lampaga, Albacor	5
	late			tardía	Bermeji, Casas bajas, De Rey, Granito	7
55.2 (*)	Fruit: time of beginning of fruit maturity (main crop)			Fruto: fecha inicio maduración (higos)		
QN	early			temprana	De Butxaca	1
	medium			media	Albacor, Casas bajas, Picholetera	3
	late			tardía	Hortella, Moisoniere, Sarrona	5
	very late			muy tardía	Pezonuda, Hivernenca	7
56.1 (*) (+)	Fruit: abnormal fruit formation (first crop)			Formación frutos anormales (brevas)		
QN (c)	absent or very few			ninguno o muy pocos	Albacor, Granito, Moscotel, Jorba	3
	some			alguna	Bermeji, Genyiva Mort	5
	frequent			frecuente	Perdigona Negra	7
56.2 (*) (+)	Fruit: abnormal fruit formation (main crop)			Formación frutos anormales (higos)		
QN (c)	absent or very few			ninguno o muy pocos	Conadria, Cordobis, Perolaza,	3
	some			alguna	Cabatxa, De Baco Doña María, Genyiva Mort	5
	frequent			frecuente	Perdigona Negra	7

English	français	deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note/ Nota
57. (+)	Date of terminal bud-burst (leafing)		Fecha de brotación de yemas terminales		
QN	(b) early		precoz	Panachée	1
	medium		media	Albacor, Colar, Picholetera	3
	late		tardía	Blanca Albondón	5
58. (+)	Date of leaf fall		Fecha caída de hojas		
QN	(b) early		precoz	Arail, Ayuela	1
	medium		media	Nazaret, Picholetera	3
	late		tardía	Boyuna	5
	To delete because influence of environement				

8. Explanations on the Table of Characteristics

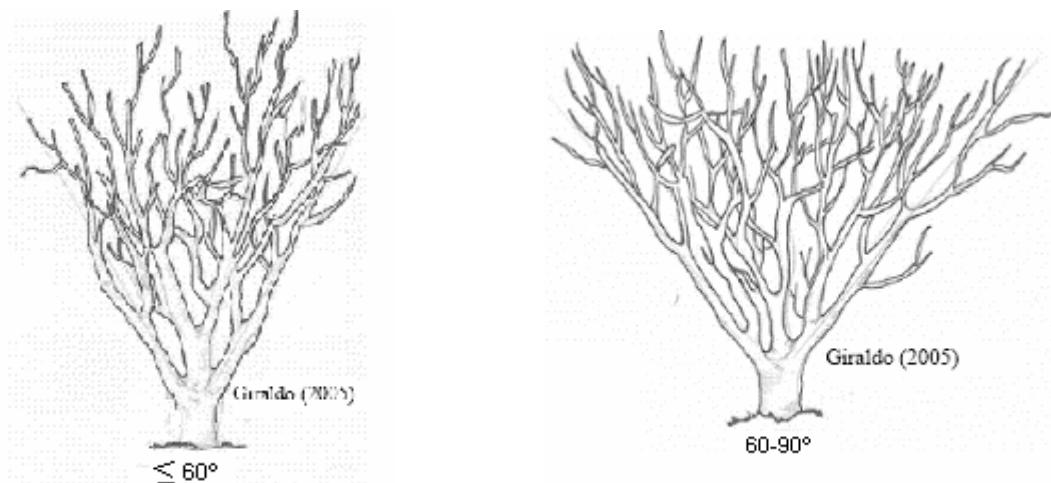
8.1 Explanations covering several characteristics

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

- (a) Tree/One-year-old shoot: Unless otherwise stated, all observations on the tree and on the one-year-old shoot should be made during winter, on trees that have fruited at least once.
- (b) Leaf: Unless otherwise stated, all observations on the leaf should be made in summer on fully developed leaves from the middle third of a well developed current season's shoot. All measurements on leaf should be made on the predominant type of leaves.
- (c) Fruit/Stone: All observations on the fruit and stone should be made on 30 fruits, 10 from each of three trees.

8.2 Explanations for individual characteristics

Ad. 1: Plant: growth habit

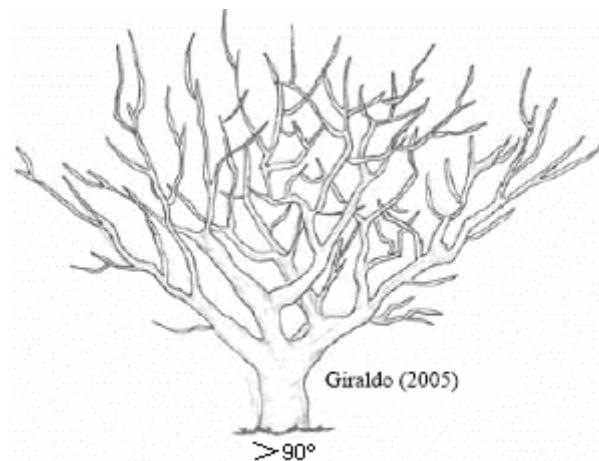


1
upright

(includes the trees with an insertion angle formed by the main branches equal or smaller than 60°)

3
semi-upright

(includes the trees with an insertion angle formed by the main branches between 60° and 90°)



5
spreading

(includes the trees with an insertion angle
formed by the main branches more than 90°)

Ad. 2: Plant: weeping of secondary shoots

Note: Weeping: some authors include this growth habit to classify the trees. However, the highest width observed is about 100° because the wood of this species is very soft and a higher width should cause the trunk cracked. So, the four previous levels could be enough to classify the different varieties of fig-tree.

On the other hand, the presence of hanging or weeping branches joined to the presence of disordered crowns with chaotic tendencies are characteristics that don't define the growth but the crown type.

Ad. 3: Plant: vigor

Trunk perimeter measured 20 centimeters high from the ground. To establish comparisons, it is necessary that the varieties should be of the same age. This value is used to determine the transverse section area of the trunk (Active Growth Rate (TCA)). $TCA = p^2 / 8\pi$

Ad. 6: Plant: bark tubers

Ad. 7: Plant: number of bark tubers

They are small tubers situated in the trunk wood and old branches.



Ad. 8: One-year-old shoot: color

It must be done by the same person in shining days, with no clouds. This color measure can be done with the Royal Horticultural Society color Chart. In this case, the expression levels should be:

- orange (greyed-orange group 175 to N164)
- brown (group N200)
- grey- brown (group N199)
- grey (greyed-green group 198 and N200)

Ad. 9: One-year-old shoot: length of internodes

This measure must be done in the middle third of the one- year- old shoot.

Ad. 10: One-year-old shoot: number of internodes

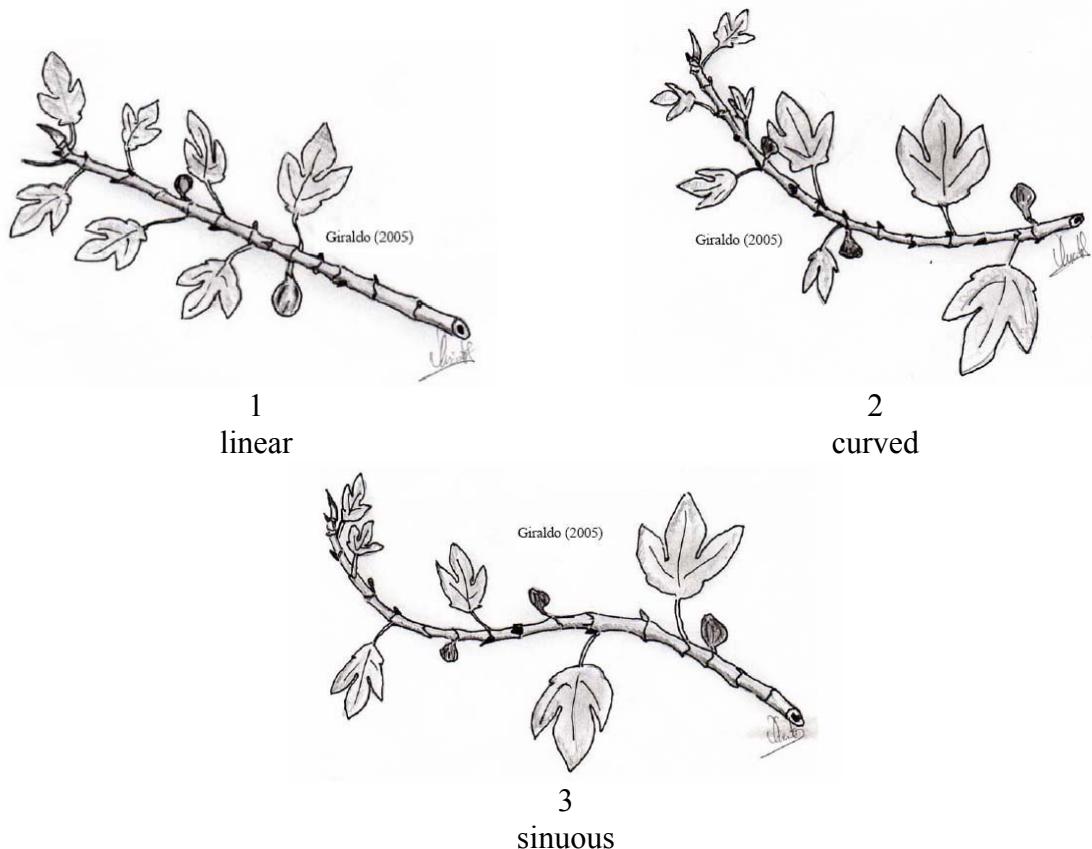
This measure must be done in the middle third of the one- year- old shoot.

Ad. 14: Shoot: bud support swellings

They are swellings located in the wood nodes of the tree.



Ad. 15: Two-year-old shoot: trajectory



Ad. 16: Shoot: number of leaves

Choice of 10 shoots at random per selected tree and to count the number of leaves on the one-year-old shoot.

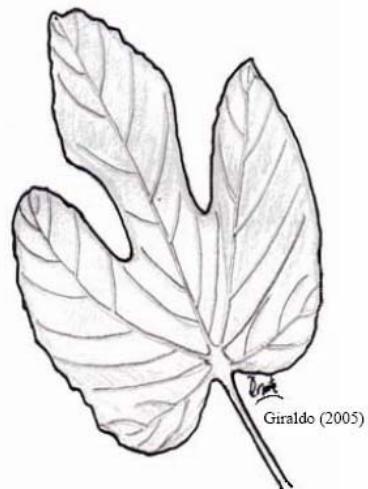
Few < 7
Medium: 7-9
Many > 9

Ad. 17: Leaf: predominant type

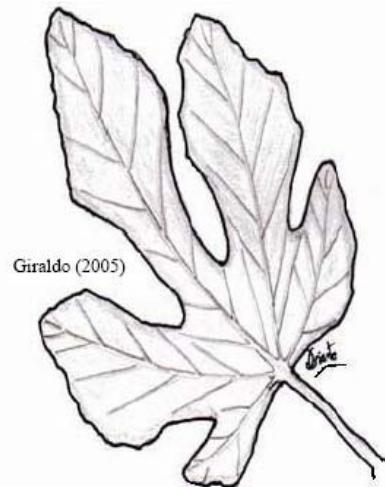
Choice of 10 shoots at random selected tree and to count the morphology of the leaves along the shoot classified according to the number of lobes (entire, three-lobed, five-lobed).



1
entire



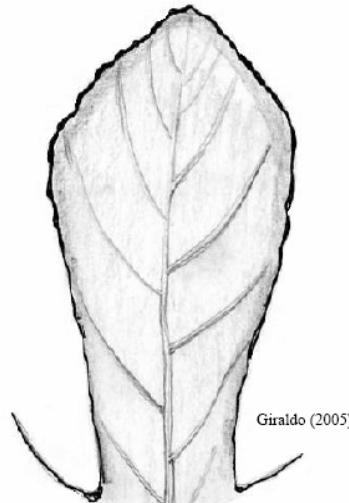
2
three-lobed



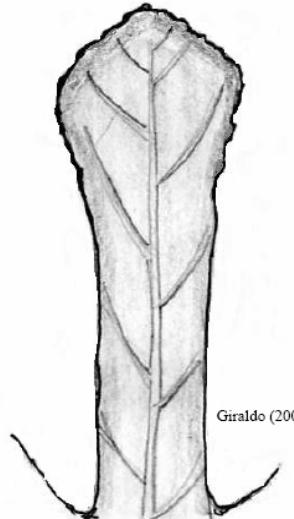
3
five-lobed

Ad. 18: Only varieties with lobed leaves: Leaf: shape of central lobe

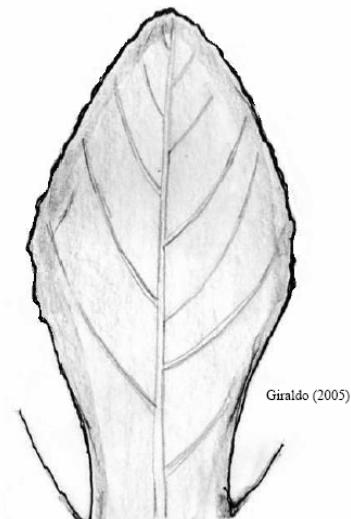
The form of the central lobe refers to the leaves of the predominant type



1
spatulate



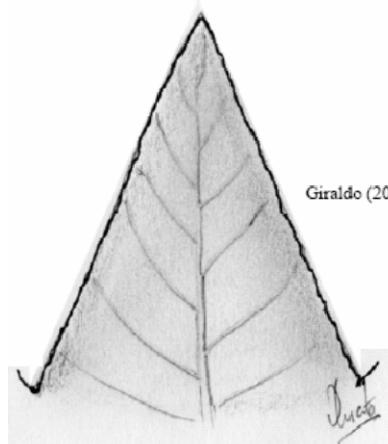
2
linear



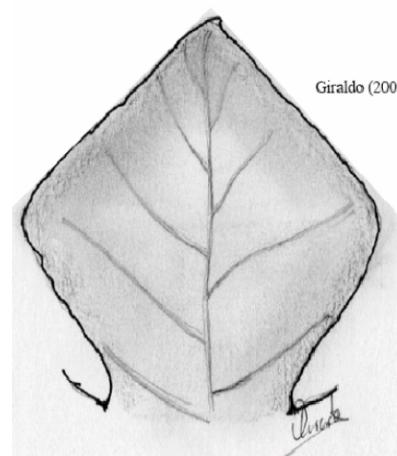
3
lanceolate



4
liarte



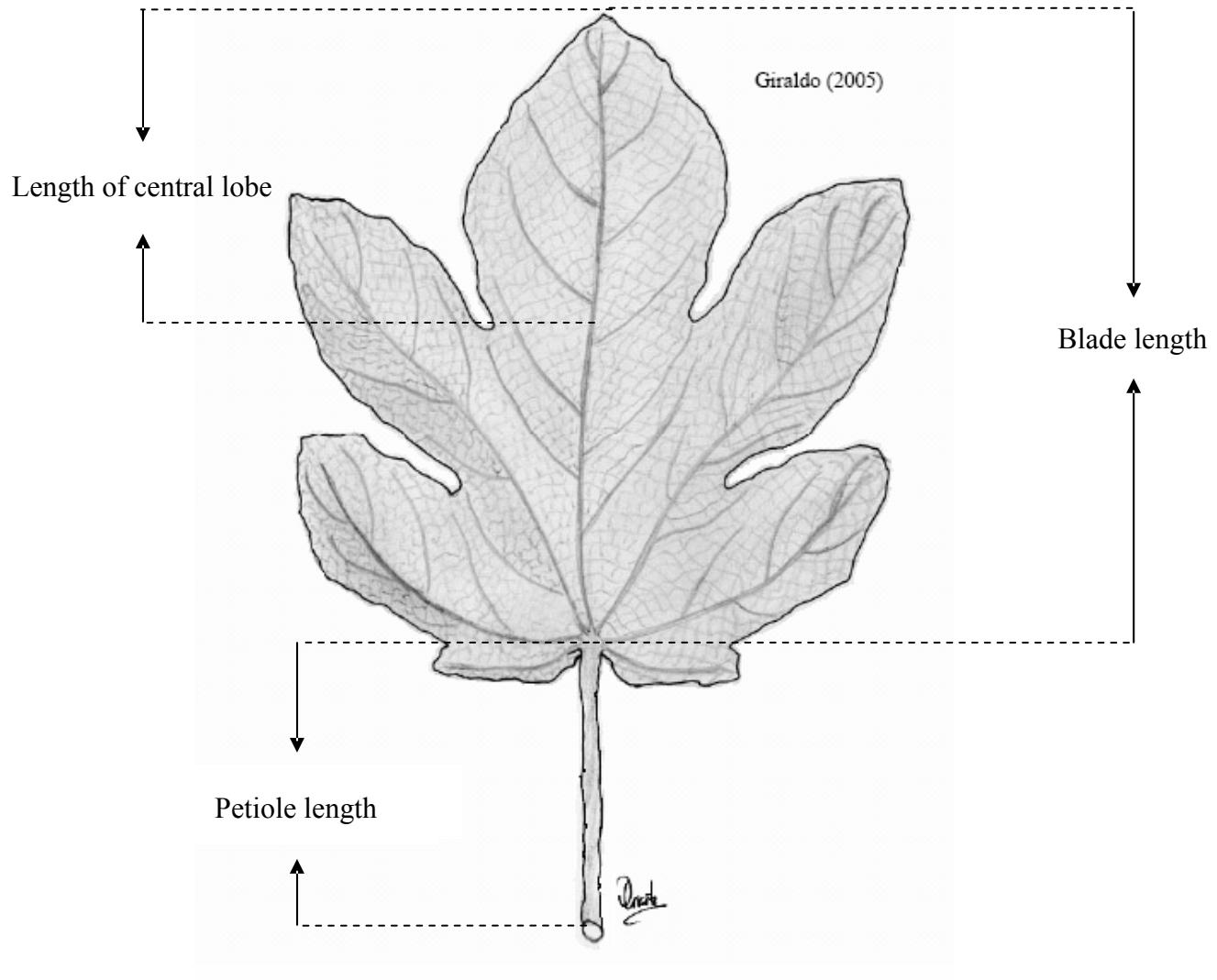
5
triangular



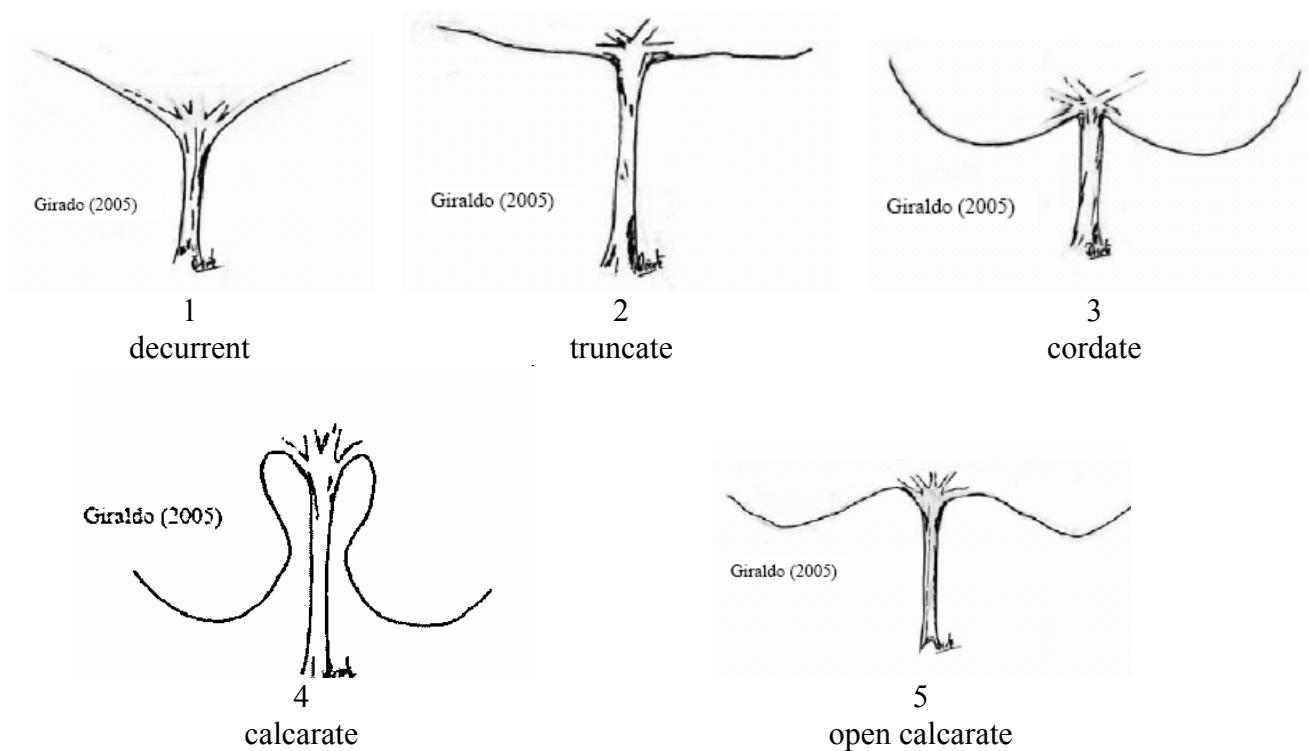
6
romboidal

Ad. 19: Only varieties with lobed leaves: Leaf: ratio length of central lobe/length of blade

Ad. 21: Leaf blade: length



Ad. 20: Leaf: shape of leaf base (petiole sinus)



Ad. 25: Leaf: petiole thickness

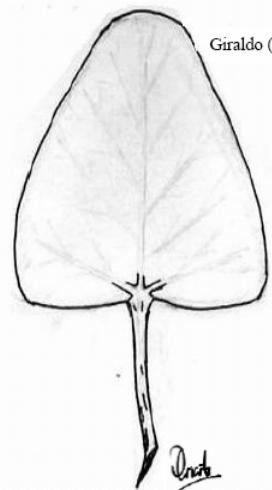
Measure done 1 cm from the leaf insertion point on the shoot

Ad. 26: Lobed leaf: little lateral lobes on petiole sinus

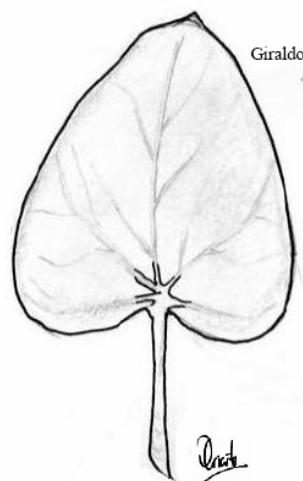


Note: sometimes, the big size of little lateral lobes on petiole sinus can apparently make them five-lobed leaves.

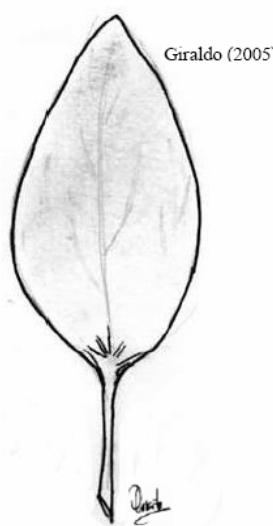
Ad. 28: Entire leaf: shape



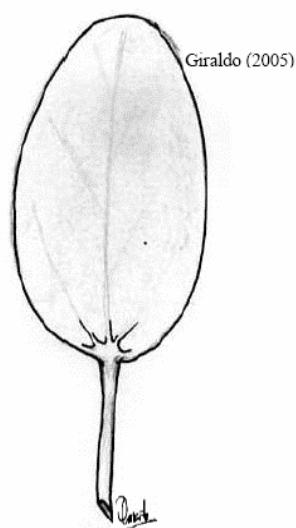
1
triangular



2
heart-shaped

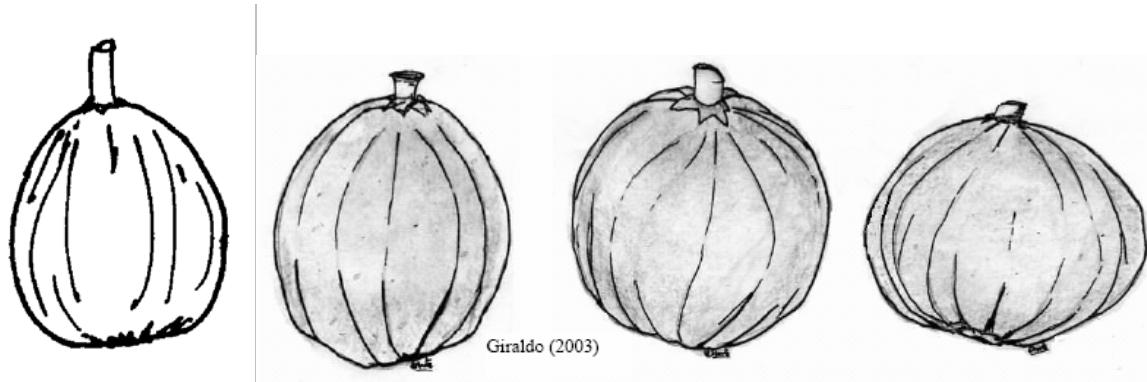


3
lanceolate



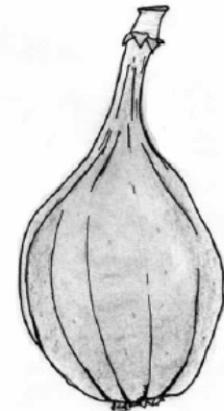
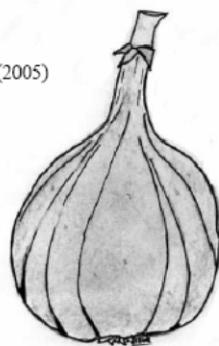
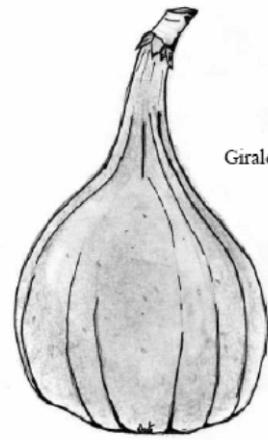
4
oblong

Ad. 29.1: Fruit: shape (first crop)
Ad. 29.2: Fruit: shape (main crop)

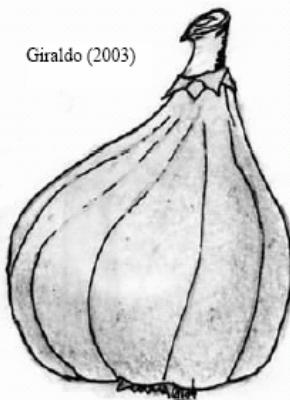




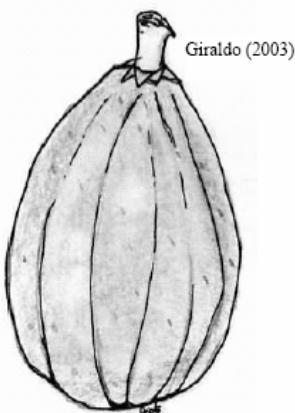
1
spherical



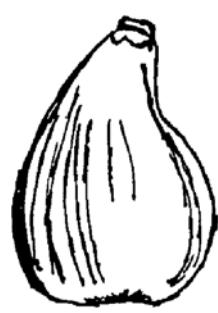
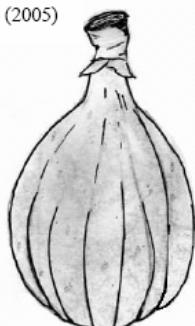
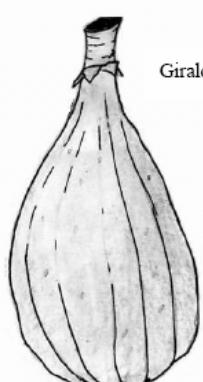
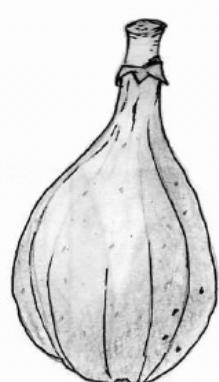
2
cucurbitiform



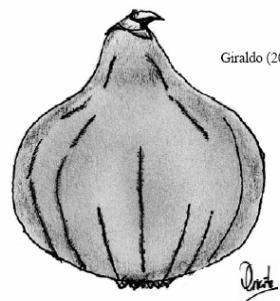
3
turbinate



4
ovoidal



5
pyriform



6
apeonzado

Ad. 31.1: Fruit: length (first crop)

Ad. 31.2: Fruit: length (main crop)

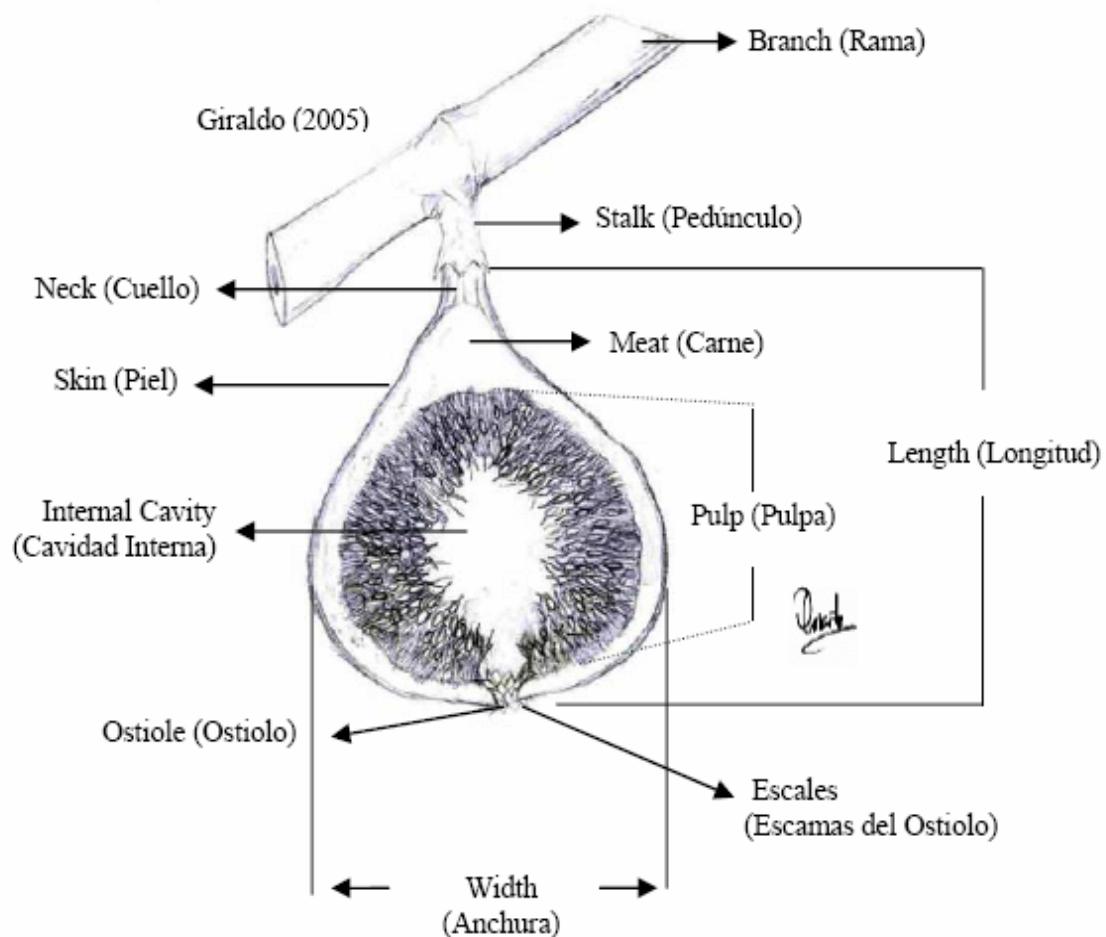
Measure performed from the base of the fruit to the base of the stalk.

Ad. 35.1: Fruit: ostiole size (first crop)

Ad. 35.2: Fruit: ostiole size (main crop)

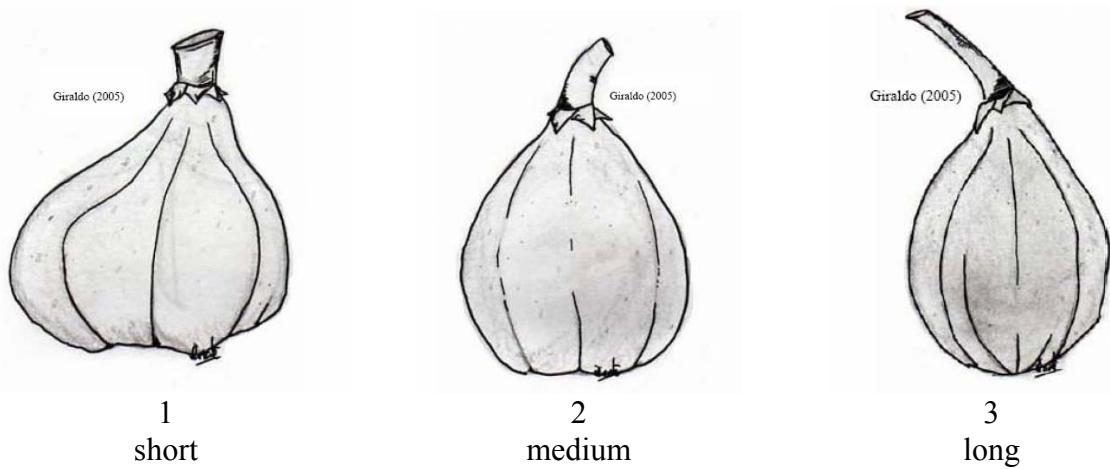
This measurement includes the scales of the ostiole.

Ad. xxx Fruit: Parts of the fruit



Ad. 36.1: Fruit: stalk length (first crop)

Ad. 36.2: Fruit: stalk length (main crop)



Ad. 37.1: Fruit: skin ground color (first crop)

Ad. 37.2: Fruit: skin ground color (main crop)

The color of fruit should be observed when the fruit reaches its consumption ripeness.

Color measurement done with the Royal Horticultural Society Color Chart.

Black (black group 202)

Purple (greyed-purple group N186-187; purple N77)

Green (green group 143)

Green bands and yellow bands

Yellow green (yellow-green group 144-150)

Green yellow (yellow-green group 151-154)

Yellow (yellow group 1-12)

Ad. 38.1: Fruit: skin overcolor (first crop)

Ad. 38.2: Fruit: skin overcolor (main crop)

The color of fruit should be observed when the fruit reaches its consumption ripeness.

Color measurement done with the Royal Horticultural Society Colour Chart.

Ad. 42: Fruit: pulp color

Color measurement done with the Royal Horticultural Society Colour Chart.

White (green- white group 157; yellow- white group 158; orange- white group 159)

Amber (greyed- yellow group 160-162; greyed-orange group 163- N163)

Pink (red group 36-39; 48-50; 56)

Red (red group 42-47; 53)

Purple (red- purple group 59; greyed purple group 183; 187)

Orange-red (orange- red group 31-35; red group 40-41; greyed- orange 168-171; N172).

Ligh brown (greyed-orange group 164-N167; N170; 172;173;174)

Dark brown (greyed- orange group 175- 177; grey-brown group 199-N199; brown group 200)

Ad. 45.1: Fruit: firmness of the skin (first crop)

Ad. 45.2: Fruit: firmness of the skin (main crop)

Determination of the skin resistance to the hand scratch

Ad. 49.1: Fruit: expression of skin cracks (first crop)

Ad. 49.2: Fruit: expression of skin cracks (main crop)

absent or very weak



2
cracked skin



3
scarce longitudinal cracks

Ad.53.1: Fruit: ease of peeling (first crop)

Ad.53.2: Fruit: ease of peeling (main crop)

Determination of removing the skin from the neck to the ostiole

- 1 easy: the skin sheds from the neck to the ostiole
- 2 medium: the skin adheres near the ostiole
- 3 difficult: the skin adheres on more than the 50% of the fruit surface

Ad. 54: Productive types

- 1 unífera: only produce parthenocarpic figs
- 2 bífera: produce parthenocarpic brevas and figs
- 3 San Pedro: produce parthenocarpic brevas and caprified figs
- 4 Smirna: only produce caprified figs
- 5 Caprafig: fig tree with male flowers and female flowers with short style and three different productions 'mamme, profichi, mammoni'

Ad. 56.1: Fruit: abnormal fruit formation (first crop)

Ad. 56.2: Fruit: abnormal fruit formation (main crop)



Ad. 57: Date of terminal bud-burst (leafing)

Average date when 50% of the terminal buds of the studied trees show 1-2 leaves extended.

Synonym(s) of Example Varieties

EXAMPLE VARIETIES	SYNONYM OF EXAMPLE VARIETIES
‘Albacor’	Ademuz, Alcocer 1, Bacorera, Betera, Breval Málaga, Colar Elche, Cuello de Dama Negro, Del Cra Negre, Goen, Mission, Napolitana, Negra, Negra 3, Negra Brevera Foyos, Negra Común R, Negra Málaga, Negra Tocinera, Torre Baja 1, 9602, 9603, 9616, 9607
‘Algerina’	Algelina
‘Bec De Perdiu’	Burriana 1, Napolitana Chelva 1, Napolitana, Napolitana Enguera, Napolitana Negra, Napolitana Negra Foyos, Napolitana Mas Valero, Negra Pozuelo, Torre Baja 3 Napolitana
‘Bermesca’	Calabacita
‘Bota morada’	Serranilla
‘Boyuna’	Porronta
‘Brown Turkey’	Albatera, Desconegut-12
‘Cabatxa’	Pit de reina
‘Cuurella’	De la Gota de Miel, 178, 184
‘D’en Manel’	Tres voltas l’any 1
‘Kadota’	Blanca Cabezuela, Cuello de Dama Blanco, Del guardia, Gota de Miel, Napolitana Blanca
‘Imperial 76’	Pell verd
‘Lampaga’	Ayuela R, Lampa Preta, Pacueca, Tiberio, Villalba, 9809
‘Martinanca’	Brocalet, De Ley 2, Lloral, Martinanca Rimada, Martinanca Mina, Porquenyà
‘Moisoniere	Becane noire
‘Panachée’	Cabacita R, Sabanita
‘Pecho de Reina’	Tres Fan Carga
‘Roja Almohadín’	Franciscana
‘Verdal’	Verdal M, Verdal Mina, Verdal R, 9612

STUDY VARIABLE

UPOV CHARACTERISTICS	IPGRI code
1. Plant: growth habit	(IPGRI 7.2.1)
2. Plant: weeping of secondary shoots	(IPGRI 7.2.2)
3. Plant: vigour	(IPGRI 7.2.12)
4. Plant: number of basal suckers	(IPGRI 7.2.4)
5. Plant: density of branching	(IPGRI 7.2.15.1)
6. Plant: bark tubers	(IPGRI 7.2.11)
7. Plant: number of bark tubers	(IPGRI 7.2.10.3)
8. One-year-old shoot: color	
9. One- year- old shoot: length of internodes	
10. One- year- old shoot: number of internode	(IPGRI 7.2.8)
11. Terminal bud: length/width ratio	
12. Terminal bud: size	(IPGRI 7.2.9)
13. Terminal bud: color	
14. Shoot: Bud support swelling	
15. Two year- old shoot: tendency	(IPGRI 7.3.1)
16. Shoot: number of leaves	(IPGRI 7.3.1)
17. Leaf: predominant type	(IPGRI 7.3.4)
18. Only varieties with lobed leaves: shape of central lobe	(IPGRI 7.3.6)
19. Only varieties with lobed leaves: ratio length of central lobe/length of blade	
20. Leaf: shape of leaf base (petiole sinus)	(IPGRI 7.3.7)
21. Leaf blade: Length	(IPGRI 7.3.8)
22. Leaf blade: width	(IPGRI 7.3.9)
23. Leaf: Petiole length	(IPGRI 7.3.18)
24. Leaf: Ratio: petiole length/blade length	(IPGRI 7.3.11)
25. Leaf: petiole thickness	(IPGRI 7.3.19)
26. Lobed leaf: little lateral lobes on petiole sinus	
27. Lobed leaf: size of little lateral lobes on petiole sinus (only varieties with presence of those little lateral lobes)	
28. Entire leaf: shape	
29.1 and 29.2 Fruit: shape	
30.1 and 30.2 Fruit: size	
31.1 and 31.2 Fruit: length	(IPGRI 7.4.7)
32.2 and 32.2 Fruit: width	(IPGRI 7.4.6)
33.1 and 33.2 Fruit: weight	(IPGRI 7.4.5)
34.1 and 34.2 Fruit: neck length	(IPGRI 7.4.8)
35.1 and 35.2 Fruit: ostiole size	(IPGRI 7.4.11)
36.1 and 36.2 Fruit: stalk length	(IPGRI 7.4.16)
37.1 and 37.2 Fruit: skin ground color	(IPGRI 7.4.26)
38.1 and 38.2 Fruit: skin overcolor	(IPGRI 7.4.27)
39.1 and 39.2 Fruit: lenticels quantity	(IPGRI 7.4.28)
40.1 and 40.2 Fruit: lenticels color	(IPGRI 7.4.29)
41.1 and 41.2 Fruit: lenticels size	(IPGRI 7.4.30)
42.1 and 42.2 Fruit: pulp color	(IPGRI 7.4.32)
43.1 and 43.2 Fruit: cavity pulp	(IPGRI 7.4.35)
44.1 and 44.2 Fruit: juiciness	(IPGRI 7.4.35)
45.1 and 45.2 Fruit: firmness of the skin	(IPGRI 7.4.24)
46.1 and 46.2 Fruit: amount of achenes	(IPGRI 7.4.36)
47.1 and 47.2 Fruit: achenes size	(IPGRI 7.4.37)
48.1 and 48.2 Fruit: ribbing	(IPGRI 7.4.20)
49.1 and 49.2 Fruit: expression of skin cracks	(IPGRI 7.4.21)
50.1 and 50.2 Fruit: ostiolo cracks	(IPGRI 7.4.22)
51.1 and 51.2 Fruit: fruits per shoot	
52.1 and 52.2 Fruit: Abscission of the talk from the twig	(IPGRI 7.4.18)
53.1 and 53.2 Fruit: ease of peeling	(IPGRI 7.4.19)
53.1 and 53.2 Productive types	
54.1 and 54.2 Fruit: date of beginning of maturity	(IPGRI 7.1.3)
55.1 and 55.2 Fruit: abnormal fruit formation	(IPGRI 7.17)
56.1 and 56.2 Date of terminal bud- burst (leafing)	(IPGRI 7.3.19)

9. Literature

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Valdeyron, G., Valizadeh, M., 1976: L'identification variétale du figuier (*Ficus carica* L.) par l'étude du polymorphisme enzymatique par électrophorèse. C.R. Acad. Agriculture, pp. 170-175.

Vidaud, J., 1997: Le Figuier. Ctifl., 263 pp.

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<p style="text-align: center;">TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights</p>		
1. Subject of the Technical Questionnaire		
1.1 Botanical name	<i>Ficus carica L.</i>	
1.2 Common name	Fig	
2. Applicant		
Name		
Address		
Telephone No.		
Fax No.		
E-mail address		
Breeder (if different from applicant)		
3. Proposed denomination and breeder's reference		
Proposed denomination (if available)		
Breeder's reference		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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#4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

Variety resulting from:

4.1.1 Crossing

(a) controlled cross []
(please state parent varieties)

(b) partially known cross []
(please state known parent variety(ies))

(c) totally unknown cross []

4.1.2 Mutation []
(please state parent variety)

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

4.1.4 Other []
(please provide details)

4.2 Method of propagating the variety

4.2.1 Vegetative propagation

(a) budding or grafting []

(b) 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 the Test Guidelines; please mark the note which best corresponds).		
Characteristics	Example Varieties	Note
5.1 Leaf: predominant type (17)		
entire	Martinanca	1[]
three-lobed	Lampaga Verdejo, White Genova	2[]
five-lobed	Albacor, Perolaza, Roja Almohadín	3[]
5.2 Fruit: shape (main crop) (29.2)		
spherical	Bermejí, Bermesca	1[]
cucurbitiform	Belitres, Boja o farta Picholetera	2[]
turbinate	Ayuela, Blanca Betera	3[]
ovoidal (obovate)	Burreña, Sitcel	4[]
pyriform	Jorba,, Perolaza, Verdaleta,	5[]
apeonzada	Blanca Foyos, Burjassot negre	6[]
5.3 Fruit: skin ground color (main crop) (37.2)		
black	Albacor	1[]
purple	Brown Turkey Moisoniere, San Antonio,	2[]
green	Cornudella Verdal,	3[]
green bands and yellow bands	Panaché	4[]
yellow green	Bermejí, Conadria, Picholetera,	5[]
green yellow	Bermesca, Granito	6[]
yellow	Genyva mort	7[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.4 Fruit: Pulp color (main crop) (42.2)		
yellow-white	San Joao Branco	1[]
amber	Bermesca, De Butxaca, Doña María, Perolaza,	2[]
pink	Picholetera, Verdejo, White Genova	3[]
red	Bermejí, Calderona, Cordobis, Moisoniere	4[]
purple	Coll Dama Rosa, Negra Calabacilla, Sarrona,	5[]
orange- red	Pell de Bou, Sitcel Torrebaja 2	6[]
light brown	Algerina, San Antonio	7[]
dark brown	Ayuela, Casas Bajas	8[]
5.5 Productive types (54)		
Unífera	Picholetera	1[]
Bífera	Albacor	2[]
San Pedro	Nazaret, Lampaga	3[]
Smirna	Smyrna	4[]
Caprifig	Tocal	5[]
5.6 Fruit: time of beginning of fruit maturity (main crop) (55.2)		
early	De Butxaca	1[]
medium	Albacor, Casas bajas, Picholetera	3[]
late	Hortella, Moisoniere, Sarrona	5[]
very late	Hivernenca, Pezonuda,	7[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:																					
<p>6. Similar varieties and differences from these varieties</p> <p><i>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.</i></p> <table border="1"><thead><tr><th>Denomination(s) of variety(ies) similar to your candidate variety</th><th>Characteristic(s) in which your candidate variety differs from the similar variety(ies)</th><th>Describe the expression of the characteristic(s) for the similar variety(ies)</th><th>Describe the expression of the characteristic(s) for your candidate variety</th></tr></thead><tbody><tr><td><i>Example</i></td><td><i>Fruit: size</i></td><td><i>small</i></td><td><i>medium</i></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table> <p>Comments:</p>				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>Fruit: size</i>	<i>small</i>	<i>medium</i>												
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>Fruit: size</i>	<i>small</i>	<i>medium</i>																				

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>#7. Additional information which may help in the examination of the variety</p> <p>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?</p> <p>Yes [] No []</p> <p>(If yes, please provide details)</p> <p>7.2 Are there any special conditions for growing the variety or conducting the examination?</p> <p>Yes [] No []</p> <p>(If yes, please provide details)</p> <p>7.3 Other information</p> <p>7.4 A representative color photograph of the variety should accompany the Technical Questionnaire.</p> <p>8. Authorization for release</p> <p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?</p> <p>Yes [] No []</p> <p>(b) Has such authorization been obtained?</p> <p>Yes [] No []</p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p>		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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9. Information on plant material to be examined

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 for where you have indicated "yes".

.....

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]