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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

FIG

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Ficus carica L.

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-eighth session to be held in Jeju, Republic of Korea,
from July 9 to 13, 2007*

Alternative Names: *

| <i>Botanical name</i> | <i>English</i> | <i>French</i> | <i>German</i> | <i>Spanish</i> |
|------------------------|----------------|---------------|--------------------|----------------|
| <i>Ficus carica</i> L. | 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*

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

~~The minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a characteristic are sufficiently consistent.~~

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 37b);
- (b) Fruit: Date of beginning of maturation (main crop) (characteristic 55b).

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)-(d) 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 ejemplo | Note/ Nota |
|------------------------|---|----------|---------|---|---|---------------|
| 1. (* (+) | Plant: growth habit | | | Planta: hábito de crecimiento | | |
| PQ | (a) upright | | | erecto | Smyrna | 1 |
| | semiupright | | | semierecto | Franciscana | 2 |
| | spreading | | | esparcido | Martinenca Mina | 3 |
| 2. (* (+) | Plant: weeping of secondary shoots | | | Planta: presencia de ramas secundarias colgantes | | |
| QL | (a) absent | | | ausente | | 1 |
| | present | | | presente | | 2 |
| 3. (* (+) | Plant: vigor | | | Planta: vigor | | |
| QN | (a) weak | | | débil | Cuello Dama Negro | 3 |
| | medium | | | medio | Kadota | 5 |
| | strong | | | fuerte | Alacantina | 7 |
| 4. (a) | Plant: number of basal suckers | | | Planta: número de rebrotes basales | | |
| QN | few | | | pocos | | 3 |
| | medium | | | medio | | 5 |
| | many | | | muchos | | 7 |
| 5. (* (+) | Plant: density of branching | | | Planta: densidad de ramificación | | |
| QN | sparce | | | escasa | Kadota | 3 |
| | medium | | | media | Nazaret | 5 |
| | dense | | | densa | Bota Morada | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|-------------------------|---|----------|---------|--|---|---------------|
| 6. (*) (+) | (a) Plant: number of bark tubers | | | Planta: número de protuberancias corticales | | |
| QN | absent or very few | | | ausente o muy pocos | | 1 |
| | few | | | pocos | Pezonuda | 3 |
| | medium | | | medio | | 5 |
| 7. (+) | (a) One-year-old shoot: color | | | Rama del año: color | | |
| QL | orange | | | naranja | Panachée | 1 |
| | brown | | | marrón | Mare de Deu | 2 |
| | grey-brown | | | marrón grisáceo | | 3 |
| | grey | | | gris | Blanca Albondón | 4 |
| 8. (*) (+) | (a) One-year-old shoot: length of internodes | | | Rama del año: longitud de los entrenudos | | |
| QN | short | | | corto | Arail | 3 |
| | medium | | | medio | Cuello Dama Negro | 5 |
| | long | | | largo | Martinenca Mina | 7 |
| 9. (*) | (a) One-year-old shoot: number of internodes | | | Rama del año: número de entrenudos | | |
| QN | few | | | pocos | Cuello Dama Negro | 3 |
| | medium | | | medio | Arail | 5 |
| | many | | | muchos | Brown Turkey | 7 |
| 10. (*) | (a) Terminal bud: length/width ratio | | | Yema terminal: ratio longitud/anchura | | |
| QN | small | | | pequeño | San Joao Branco | 3 |
| | medium | | | medio | Kadota | 5 |
| | large | | | largo | Blanca Betera | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--------------------|---|----------|---------|---|---|---------------|
| 11. (*) | (a) Terminal bud: size | | | Yema terminal: tamaño | | |
| QN | small | | | pequeña | San Joao Branco | 3 |
| | medium | | | media | Tocal | 5 |
| | large | | | grande | Pezonuda | 7 |
| 12. (*) (+) | (a) Terminal bud: color | | | Yema terminal: color | | |
| PQ | yellow-green | | | verde amarillento | Nazaret | 1 |
| | grey-green | | | verde grisáceo | | 2 |
| | orange | | | naranja | Blava | 3 |
| | brown | | | marrón | Franciscana | 4 |
| | grey-brown | | | marrón grisáceo | | 5 |
| 13. (*) (+) | (a) Shoot: bud support swellings | | | Rama: hinchazones nodales | | |
| QN | absent or very small | | | ausentes o muy leves | Bota Morada | 1 |
| | small | | | leves | Lampaga | 3 |
| | medium | | | medio | Verdejuela | 5 |
| | large | | | prominentes | Franciscana | 7 |
| 14. (*) (+) | (a) Two-year-old shoot: tendency | | | Rama de dos años: trayectoria de las ramas | | |
| PQ | linear | | | lineal | | 1 |
| | curved | | | curva | | 2 |
| | sinuous | | | sinuosa | | 3 |
| 15. (*) (+) | (b) Leaf: predominant type | | | Hoja: tipo predominante de hojas | | |
| PQ | entire | | | entera | Martinenca Mina | 1 |
| | three-lobed | | | trilobulada | Verdejo | 2 |
| | five-lobed | | | pentalobulada | Franciscana | 3 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--|---|----------|---------|---|---|---------------|
| 16. (+) | (b) Number of leaves per shoot | | | Número de hojas por brote | | |
| QN | low (<4) | | | bajo | Arail | 1 |
| | medium (4-8) | | | medio | Franciscana | 3 |
| | high (9-12) | | | alto | Negra Calabacilla | 5 |
| | very high (>12) | | | muy alto | San Joao Branco | 7 |
| 17. (*) (+) | (b) (Only lobed leaf) Leaf: shape of central lobe | | | (Sólo hojas lobuladas) Hoja: forma del lóbulo central | | |
| PQ | spatulate | | | espatulada | Arail | 1 |
| | linear | | | lineal | Franciscana | 2 |
| | lanceolate | | | lanceolada | Verdejuela | 3 |
| | lyrate | | | liriada | Cuello Dama Negro | 4 |
| | triangular | | | triangular | | 5 |
| | romboidal | | | romboidal | | 6 |
| 18. (*) (+) | (b) (Only lobed leaf) Leaf: ratio length of central lobe/length of blade | | | (Sólo hojas lobuladas) Hoja: ratio longitud lóbulo central/longitud hoja | | |
| QN | small | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | large | | | alto | | 7 |
| 19. (*) (+) | (b) Leaf: shape of leaf base (petiole sinus) | | | Hoja: forma seno peciolar | | |
| PQ | decurrente | | | decurrente | | 1 |
| | truncate | | | truncado | Blanca Betera | 2 |
| | cordate | | | cordado | Negra Calabacilla | 3 |
| | calcarate | | | calcáreo | Hoñigal | 4 |
| | open calcarate | | | calcáreo abierto | Blanca Albondón | 5 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|------------|---------------------------------|----------|---------|-------------------------------|---|---------------|
| 20. | (b) Leaf blade: length | | | Limbo: longitud | | |
| (*) | | | | | | |
| (+) | | | | | | |
| QN | short | | | corta | Picholetera (lobulada) Verdejo (entera) | 3 |
| | medium | | | media | Lampaga (lobulada) Kadota (entera) | 5 |
| | long | | | larga | Cuello Dama Negro (lobulada) Lampaga (entera) | 7 |
| 21. | (b) Leaf blade: width | | | Limbo: anchura | | |
| (*) | | | | | | |
| QN | narrow | | | estrecha | Verdejuela (lobulada) Verdejo (entera) | 3 |
| | medium | | | media | Negra Pozuelo (lobulada) Lampaga (entera) | 5 |
| | broad | | | ancha | Cuello Dama Negro (lobulada) Kadota (entera) | 7 |
| 22. | (b) Leaf: petiole length | | | Hoja: longitud pecíolo | | |
| (*) | | | | | | |
| QN | short | | | corto | Negra Calabacilla (lobulada) Verdejo (entera) | 3 |
| | medium | | | medio | Blanca Betera (lobulada) Kadota (entera) | 5 |
| | long | | | largo | Franciscana (lobulada) Picholetera (entera) | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--------------------------|--|----------|---------|--|---|---------------|
| 23. (*) (*) | (b) Leaf: ratio petiole length/ blade length | | | Hoja: ratio longitud pecíolo/longitud limbo | | |
| QN | small | | | pequeño | Negra Calabacilla (h. lobuladas) Lampaga (h. enteras) | 3 |
| | medium | | | medio | Nazaret (h. lobuladas) Martinenca Mina (h. enteras) | 5 |
| | long | | | largo | Franciscana (h. lobuladas) Picholetera (h. enteras) | 7 |
| 24. (*) (+) | (b) Leaf: petiole thickness | | | Hoja: anchura pecíolo | | |
| QN | narrow | | | estrecho | Verdejuela (lobulada) Lampaga (entera) | 3 |
| | medium | | | medio | Moscatel (lobulada) Picholetera (entera) | 5 |
| | broad | | | ancho | Nogal (lobulada) Kadota (entera) | 7 |
| 25. (*) (+) | (b) Leaf: petiole color | | | Hoja: color del pecíolo | | |
| QN | green | | | verde | | 1 |
| | yellow | | | amarillo | | 2 |
| | brown | | | marrón | | 3 |
| 26. (*) (+) | (b) Lobed leaf: little lateral lobes on petiole sinus | | | Hojas lobuladas: lobulillos en el seno peciolar | | |
| QL | absent | | | ausente | | 1 |
| | present | | | presente | | 2 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------|---|----------|---------|---|---|---------------|
| 27. (*) | (b) 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 | small | | | pequeño | | 1 |
| | medium | | | medio | | 3 |
| | large | | | grande | | 5 |
| | very large | | | muy grande | | 7 |
| 28. (*) (+) | (b) Entire leaf: shape | | | Hoja entera: forma | | |
| PQ | triangular | | | triangular | Lampaga | 1 |
| | heart-shaped | | | acorazonada | Picholetera | 2 |
| | lanceolate | | | lanceolada | | 3 |
| | oblong | | | oblonga | | 4 |
| 29.a (*) (+) | (c) Fruit: shape (first crop) | | | Fruto: forma (breva) | | |
| PQ | spherical | | | esférica | Verdejuela | 1 |
| | cucurbitiform | | | cucurbitiforme | | 2 |
| | turbinate | | | turbinada | | 3 |
| | ovoidal (obovate) | | | ovoidal | | 4 |
| | pyriform | | | piriforme | Kadota | 5 |
| | apeonzada | | | apeonzada | | 6 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------------|---------------------------------------|----------|---------|--------------------------------|---|---------------|
| 29.b (*) (+) | (c) Fruit: shape (main crop) | | | Fruto: forma (higo) | | |
| PQ | spherical | | | esférica | Bota Morada | 1 |
| | cucurbitiform | | | cucurbitiforme | Picholetera | 2 |
| | turbinate | | | turbinada | Moscatel | 3 |
| | ovoidal (obovate) | | | ovoidal | San Joao Branco | 4 |
| | pyriform | | | piriforme | Coll Dama Blanco | 5 |
| | apeonzada | | | apeonzada | Bordissot Blanca | 6 |
| 30.a (*) | (c) Fruit: size (first crop) | | | Fruto: tamaño (breva) | | |
| QN | small | | | pequeño | Verdejuela | 1 |
| | medium | | | mediano | Boyuna | 3 |
| | large | | | grande | Brown Turkey | 5 |
| 30.b (*) | (c) Fruit: size (main crop) | | | Fruto: tamaño (higo) | | |
| QN | small | | | pequeño | Verdejuela | 1 |
| | medium | | | medio | Franciscana | 3 |
| | large | | | grande | Brown Turkey | 5 |
| 31.a (*) (+) | (c) Fruit: length (first crop) | | | Fruto: longitud (breva) | | |
| QN | short | | | corto | Verdejuela | 3 |
| | medium | | | medio | Boyuna | 5 |
| | long | | | largo | Brown Turkey | 7 |
| | very long | | | muy largo | Cuello Dama Negro | 9 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------------|---------------------------------------|----------|---------|-------------------------------|---|---------------|
| 31.b (*) (+) | (c) Fruit: length (main crop) | | | Fruto: longitud (higo) | | |
| QN | short | | | corto | Blava | 1 |
| | medium | | | medio | Verdejo | 3 |
| | long | | | largo | Negra Cabezuela | 5 |
| | very long | | | muy largo | Brown Turkey | 7 |
| 32.a (*) | (c) Fruit: width (first crop) | | | Fruto: anchura (breva) | | |
| QN | small | | | pequeño | Blava | 1 |
| | medium | | | medio | Verdejo | 3 |
| | large | | | ancho | Negra Cabezuela | 5 |
| | very large | | | muy ancho | Brown Turkey | 7 |
| 32.b (*) | (c) Fruit: width (main crop) | | | Fruto: anchura (higo) | | |
| QN | small | | | pequeño | Blanaca Valenciana | 1 |
| | medium | | | medio | Panache | 3 |
| | large | | | ancho | Negra Cabezuela | 5 |
| | very large | | | muy ancho | Brown Turkey | 7 |
| 33.a (*) | (c) Fruit: weight (first crop) | | | Fruto: Peso (breva) | | |
| QN | very light | | | muy bajo | Blava | 1 |
| | light | | | bajo | Kadota | 3 |
| | medium | | | medio | Negra Cabezuela | 5 |
| | heavy | | | alto | Brown Turkey | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--------------------|---|----------|---------|--|---|---------------|
| 33.b (*) | (c) Fruit: weight (main crop) | | | Fruto: peso (higo) | | |
| QN | very light | | | muy bajo | San Joao Branco | 1 |
| | light | | | bajo | Boyua | 3 |
| | medium | | | medio | Negra Cabezuela | 5 |
| | heavy | | | alto | Brown Turkey | 7 |
| 34.a (+) | (c) Fruit: neck length (first crop) | | | Fruto: longitud del cuello (brevas) | | |
| QN | absent | | | ausente | | 1 |
| | short | | | corto | | 3 |
| | medium | | | medio | | 5 |
| | long | | | largo | | 7 |
| 34.b (+) | (c) Fruit: neck length (main crop) | | | Fruto: longitud del cuello (higos) | | |
| QN | absent | | | ausente | Moscatel | 1 |
| | short | | | corto | Mare de Deus | 3 |
| | medium | | | medio | Franciscana | 5 |
| | long | | | largo | Picholetera | 7 |
| 35.a (+) | (c) Fruit: ostiole size (first crop) | | | Fruto: tamaño del ostiolo (breva) | | |
| QN | small | | | pequeño | Negra Común | 3 |
| | medium | | | medio | Bota Morada | 5 |
| | large | | | grande | Brown Turkey | 7 |
| 35.b (+) | (c) Fruit: ostiole size (main crop) | | | Fruto: tamaño del ostiolo (higo) | | |
| QN | small | | | pequeño | Negra Pozuelo | 3 |
| | medium | | | medio | Kadota | 5 |
| | large | | | grande | | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|-------------|-------------------------------------|----------|---------|----------------------------------|---|---------------|
| 36.a | (c) Fruit: stalk length | | | Fruto: longitud del | | |
| (*) | (first crop) | | | pedúnculo (breva) | | |
| (+) | | | | | | |
| PQ | short | | | corto | Verdejo | 1 |
| | medium | | | medio | Cuello Dama Negro | 2 |
| | long | | | largo | Negra Cabezuela | 3 |
| 36.b | (c) Fruit: stalk length | | | Fruto: longitud del | | |
| (*) | (main crop) | | | pedúnculo (higo) | | |
| (+) | | | | | | |
| PQ | short | | | corto | Brown Turkey | 1 |
| | medium | | | medio | San Joao Branco | 2 |
| | long | | | largo | Mare de Deus | 3 |
| 37.a | (c) Fruit: skin ground color | | | Fruto: color de fondo de | | |
| (*) | (first crop) | | | la piel (breva) | | |
| (+) | | | | | | |
| PQ | black | | | negro | Negra Común | 1 |
| | purple | | | púrpura | Cuello Dama Negro | 2 |
| | yellow green | | | verde amarillento | Verdejo | 3 |
| | green yellow | | | amarillo verdoso | Nazaret | 4 |
| | yellow | | | amarillo | | 5 |
| 37.b | (c) Fruit: skin ground color | | | Fruto: color del fondo de | | |
| (*) | (main crop) | | | la piel (higo) | | |
| (+) | | | | | | |
| PQ | black | | | negro | Negra Cabezuela | 1 |
| | purple | | | púrpura | Martinenca Mina | 2 |
| | yellow green | | | verde amarillento | Verdejo | 3 |
| | green yellow | | | amarillo verdoso | Madre de Deu | 4 |
| | yellow | | | amarillo | | 5 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|-------------|---|----------|---------|--|---|---------------|
| 38.a | (c) Fruit: skin overcolor (first crop) | | | Fruto: sobrecolor (breva) | | |
| | (*) (+) | | | | | |
| PQ | none | | | ninguno | | 1 |
| | regular bands yellow | | | bandas regulares amarillas | | 2 |
| | regular bands green | | | bandas regulares verdosas | Panachée | 3 |
| | regular bands purple | | | bandas regulares púrpuras | | 4 |
| | irregular patches with yellow sector | | | manchas irregulares de color amarillo | | 5 |
| | irregular patches with yellow-green sector | | | manchas irregulares de color verdoso | | 6 |
| | irregular patches with purple sector | | | manchas irregulares de color púrpura | | 7 |
| 38.b | (c) Fruit: skin overcolor (main crop) | | | Fruto: sobrecolor (higo) | | |
| | (*) (+) | | | | | |
| PQ | none | | | ninguno | | 1 |
| | regular bands yellow | | | bandas regulares amarillas | | 2 |
| | regular bands green | | | bandas regulares verdosas | | 3 |
| | regular bands purple | | | bandas regulares púrpuras | | 4 |
| | irregular patches with yellow sector | | | manchas irregulares de color amarillo | | 5 |
| | irregular patches with yellow-green sector | | | manchas irregulares de color verdoso | | 6 |
| 39.a | (c) Fruit: lenticels quantity (first crop) | | | Fruto: cantidad de lenticelas (breva) | | |
| | (*) | | | | | |
| QN | scarce | | | escasas | | 3 |
| | intermediate | | | medias | | 5 |
| | numerous | | | numerosas | | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|-------------|--------------------------------------|----------|---------|---|---|---------------|
| 39.b | (c) Fruit: lenticels quantity | | | Fruto: cantidad de lenticelas (higo) | | |
| (*) | (main crop) | | | | | |
| QN | scarce | | | escasas | | 3 |
| | intermediate | | | medias | | 5 |
| | numerous | | | numerosas | | 7 |
| 40.a | (c) Fruit: lenticels color | | | Fruto: color de las lenticelas (brevas) | | |
| | (first crop) | | | | | |
| QL | white | | | blancas | | 1 |
| | pink | | | rosas | | 2 |
| | green | | | verde | | 3 |
| 40.b | (c) Fruit: lenticels color | | | Fruto: color de las lenticelas (higos) | | |
| | (main crop) | | | | | |
| QL | white | | | blancas | | 1 |
| | pink | | | rosas | | 2 |
| | green | | | verde | | 3 |
| 41.a | (c) Fruit: lenticels size | | | Fruto: tamaño de las lenticelas (brevas) | | |
| | (first crop) | | | | | |
| QN | small | | | pequeñas | | 3 |
| | medium | | | medias | | 5 |
| | large | | | grandes | | 7 |
| 41.b | (c) Fruit: lenticels size | | | Fruto: tamaño de las lenticelas (higos) | | |
| | (main crop) | | | | | |
| QN | small | | | pequeñas | | 3 |
| | medium | | | medias | | 5 |
| | large | | | grandes | | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------------|--|----------|---------|---|---|---------------|
| 42.a (*) (+) | (c) Fruit: pulp color (first crop) | | | Fruto: color de la pulpa (breva) | | |
| PQ | yellow-white | | | blanco amarillento | | 1 |
| | amber | | | ámbar | | 2 |
| | pink | | | rosa | | 3 |
| | red | | | rojo | | 4 |
| | dark red | | | púrpura | | 5 |
| 42.b (*) (+) | Fruit: pulp color (main crop) | | | Fruto: color de la pulpa (higo) | | |
| PQ | (c) yellow-white | | | blanco amarillento | | 1 |
| | amber | | | ámbar | | 2 |
| | pink | | | rosa | | 3 |
| | red | | | rojo | | 4 |
| | dark red | | | púrpura | | 5 |
| 43.a (*) | (c) Fruit: cavity pulp (first crop) | | | Fruto: cavidad pulpa (brevas) | | |
| QN | absent | | | ausente | | 0 |
| | small | | | pequeña | | 1 |
| | medium | | | mediana | | 2 |
| | large | | | grande | | 3 |
| 43.b (*) | (c) Fruit: cavity pulp (main crop) | | | Fruto: cavidad pulpa (higos) | | |
| QN | absent | | | ausente | Franciscana | 0 |
| | small | | | pequeña | Picholetera | 1 |
| | medium | | | mediana | Negra Común | 2 |
| | large | | | grande | Albatera | 3 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------------|---|----------|---------|--|---|---------------|
| 44.a | (c) Fruit: juiciness (first crop) | | | Fruto: jugosidad (breva) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |
| 44.b | (c) Fruit: juiciness (main crop) | | | Fruto: jugosidad (higo) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |
| 45.a (*) (+) | (c) Fruit: firmness of the skin (first crop) | | | Fruto: firmeza de la piel (breva) | | |
| QN | soft | | | blanda | Verdejuela | 3 |
| | medium | | | media | Negra Cabezuela | 5 |
| | firm | | | firme | Kadota | 7 |
| | rubbery | | | elástica | Boyuna | 9 |
| 45.b (*) (+) | (c) Fruit: firmness of the skin (main crop) | | | Fruto: firmeza de la piel (higo) | | |
| QN | soft | | | blanda | Franciscana | 3 |
| | medium | | | media | Blava | 5 |
| | firm | | | firme | Picholetera | 7 |
| | rubbery | | | elástica | Panachée | 9 |
| 46.a (*) | (c) Fruit: amount of achenes (first crop) | | | Fruto: cantidad de aquenios (breva) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|-------------|--|----------|---------|--|---|---------------|
| 46.b | (c) Fruit: amount of achenes (main crop) | | | Fruto: cantidad de achenios (higo) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |
| 47.a | (c) Fruit: achenes size (first crop) | | | Fruto: tamaño de los achenios (breva) | | |
| QN | small | | | pequeño | | 3 |
| | medium | | | medio | | 5 |
| | large | | | grande | | 7 |
| 47.b | (c) Fruit: achenes size (main crop) | | | Fruto: tamaño de los achenios (higo) | | |
| QN | small | | | pequeño | | 3 |
| | medium | | | medio | | 5 |
| | large | | | grande | | 7 |
| 48.a | (c) Fruit: ribbing (first crop) | | | Fruto: acostillamiento (breva) | | |
| PQ | none | | | ninguno | | 3 |
| | medium | | | medio | | 5 |
| | prominent | | | prominente | | 7 |
| 48.b | (c) Fruit: ribbing (main crop) | | | Fruto: acostillamiento (higo) | | |
| PQ | none | | | ninguno | | 3 |
| | medium | | | medio | | 5 |
| | prominent | | | prominente | | 7 |
| 49.a | (c) Fruit: expression of skin cracks (first crop) | | | Fruto: grietas en la piel (breva) | | |
| (*) | | | | | | |
| (+) | | | | | | |
| PQ | cracked skin | | | al azar | | 1 |
| | scarce longitudinal cracks | | | longitudinales | | 2 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--------------------------|--|----------|---------|---|---|---------------|
| 49.b (* (+) | (c) Fruit: expression of skin cracks (main crop) | | | Fruto: grietas en la piel (breva) | | |
| PQ | cracked skin | | | al azar | | 1 |
| | scarce longitudinal cracks | | | longitudinales | | 2 |
| 50.a | (c) Fruit: ostiolo cracks (first crop) | | | Fruto: grietas en el ostiolo (breva) | | |
| QL | absent | | | ausentes | | 1 |
| | present | | | presentes | | 2 |
| 50.b | (c) Fruit: ostiole cracks (main crop) | | | Fruto: grietas en el ostiolo (higo) | | |
| QL | absent | | | ausentes | | 1 |
| | present | | | presentes | | 2 |
| 51.a | (c) Fruit: fruits per shoot (first crop) | | | Fruto: frutos por brote (breva) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |
| 51.b | (c) Fruit: fruits per shoot (main crop) | | | Fruto: frutos por brote (higo) | | |
| QN | low | | | bajo | | 3 |
| | medium | | | medio | | 5 |
| | high | | | alto | | 7 |
| 52.a (* | (c) Fruit: abscission of the stalk from the twig (first crop) | | | Fruto: abscisión del pedúnculo del tallo (breva) | | |
| QL | easy | | | fácil | | 1 |
| | hard | | | difícil | | 2 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|--------------------------|---|----------|---------|--|---|---------------|
| 52.b (* (*) | (c) Fruit: abscission of the stalk from the twig (main crop) | | | Fruto: abscisión del pedúnculo del tallo (higo) | | |
| QL | easy | | | fácil | | 1 |
| | hard | | | difícil | | 2 |
| 53.a (+) | (c) Fruit: ease of peeling (first crop) | | | Fruto: facilidad de pelado (breva) | | |
| PQ | easy | | | fácil | | 1 |
| | medium | | | medio | | 2 |
| | difficult | | | difícil | | 3 |
| 53.b (+) | (c) Fruit: ease of peeling (main crop) | | | Fruto: facilidad de pelado (higo) | | |
| PQ | easy | | | fácil | | 1 |
| | medium | | | medio | | 2 |
| | difficult | | | difícil | | 3 |
| 54. (* (+) | (c) Production types | | | Tipos de cosecha | | |
| QL | Unífera | | | Unífera | Picholetera | 1 |
| | Bífera | | | Bífera | Cuello Dama Negro | 2 |
| | San Pedro | | | San Pedro | Nazaret | 3 |
| | Smirna | | | Smirna | Smyrna | 4 |
| | Caprifig | | | Cabrahigo | Tocal | 5 |
| 55.a (* | Fruit: time of beginning of fruit maturation (first crop) | | | Fruto: fecha inicio maduración (breva) | | |
| QN | early | | | temprana | | 3 |
| | medium | | | media | | 5 |
| | late | | | tardía | | 7 |

| | English | français | deutsch | español | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota |
|---------------------------|---|----------|---------|---|---|---------------|
| 55.b (*) | Fruit: time of beginning of fruit maturation (main crop) | | | Fruto: fecha inicio maduración (breva) | | |
| QN | early | | | temprana | | 1 |
| | medium | | | media | | 3 |
| | late | | | tardía | | 5 |
| | very late | | | muy tardía | | 7 |
| 56.a (*) (+) | (c) Fruit: abnormal fruit formation (first crop) | | | Formación frutos anormales (brevas) | | |
| QN | none | | | ninguna | | 3 |
| | some | | | alguna | | 5 |
| | frequent | | | frecuente | | 7 |
| 56.b (*) (+) | (c) Fruit: abnormal fruit formation (main crop) | | | Formación frutos anormales (higos) | | |
| QN | none | | | ninguna | | 3 |
| | some | | | alguna | | 5 |
| | frequent | | | frecuente | | 7 |
| 57. (+) | (b) Date of terminal bud-burst (leafing) | | | Fecha de brotación de yemas terminales | | |
| QN | early | | | precoz | Panachée | 1 |
| | medium | | | media | Cuello Dama Negro | 3 |
| | late | | | tardía | Blanca Albondón | 5 |
| 58. (+) | (b) Date of leaf fall | | | Fecha caída de hojas | | |
| QN | early | | | precoz | | 1 |
| | medium | | | media | | 3 |
| | late | | | tardía | | 5 |

8. Explanations on the Table of Characteristics

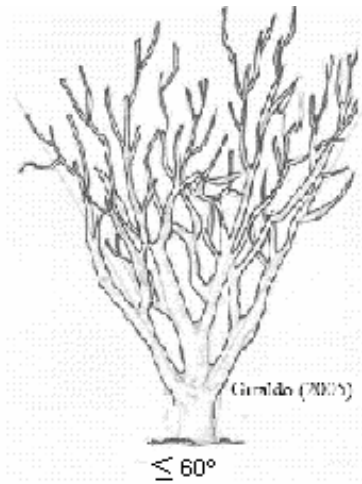
8.1 *Explanations covering several characteristics*

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.
- (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*

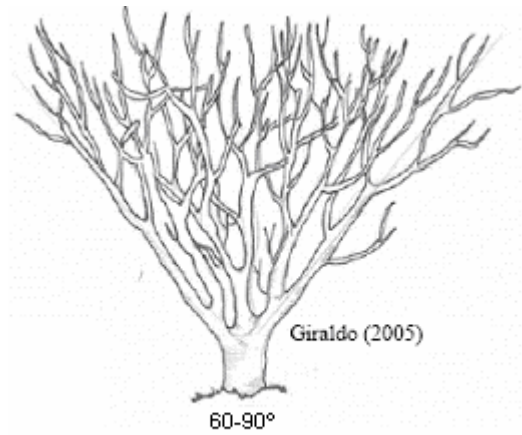
Ad. 1: Plant: Growth habit



1

upright

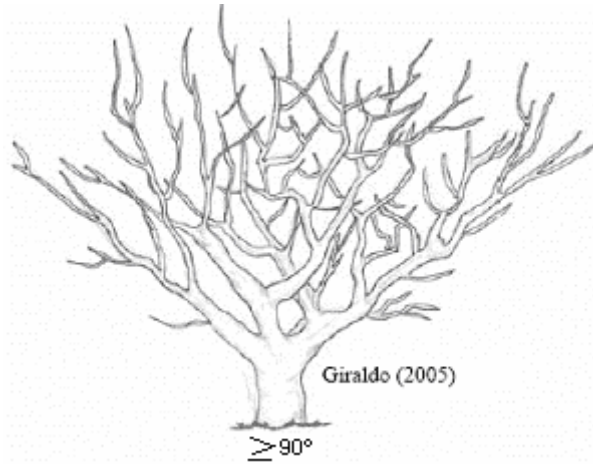
(includes the trees with an insertion angle formed by the main branches equal or smaller than 60°)



2

semi upright

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



3

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: Number of bark tubers

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



Ad. 7: 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:

- Grey (greyed-green group 198 and N200)
- Orange (greyed-orange group 175 to N164)
- Brown (group N200)
- Grey- brown (group N199)

Ad. 8: One- year-old shoot: Length of internodes

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

Ad. 12: Terminal bud: Color

It must be done by the same person in sunny 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:

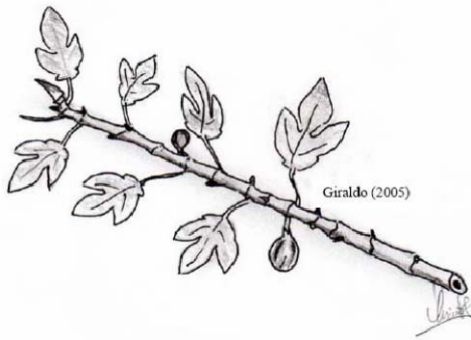
Yellow-Green (yellow-green group 153)
Grey- Green (greyed- green group 198)
Orange (greyed- orange group 165)
Brown (brown group N200 and 200)
Grey- brown (group N199)

Ad. 13: Shoot: Bud support swelling

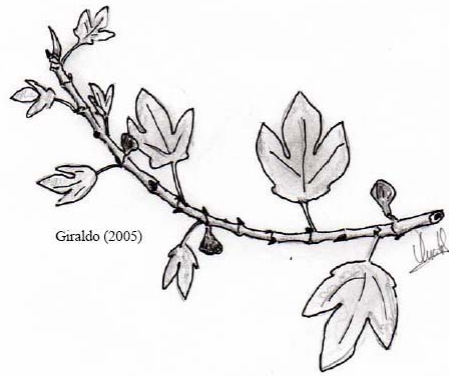
They are swellings located in the wood nodes of the tree.



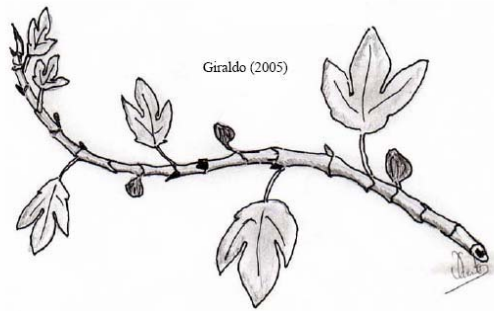
Ad. 14: Two year- old shoot: Tendency



1
linear



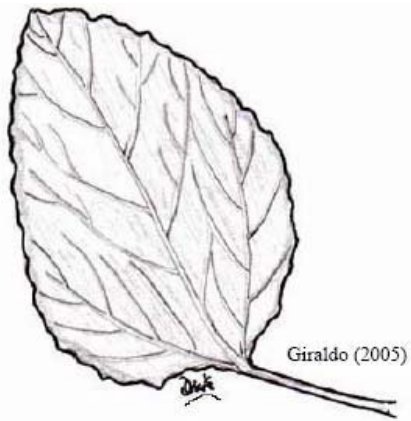
2
curved



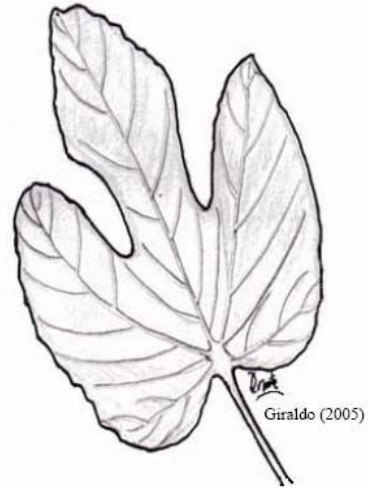
3
sinuous

Ad. 15: Leaf: Predominant types

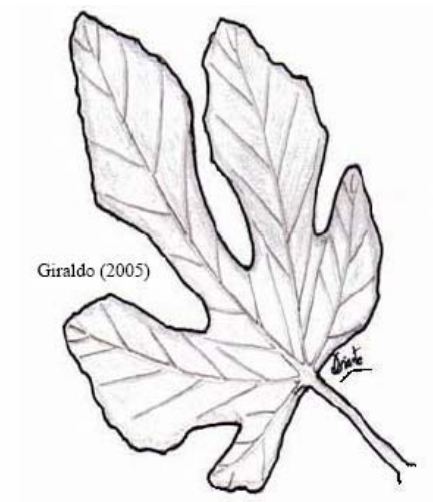
Choice of 10 shoots at random selected tree and to count the morphology of the leaves along the shoot classified according to the number of lobes (entire, trilobed, pentalobed).



1
entire



2
three-lobed



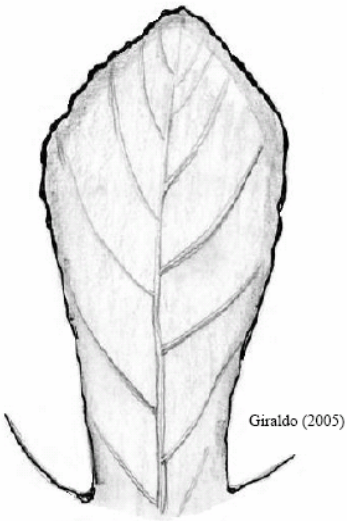
3
five-lobed

Ad. 16: Number of leaves per shoot

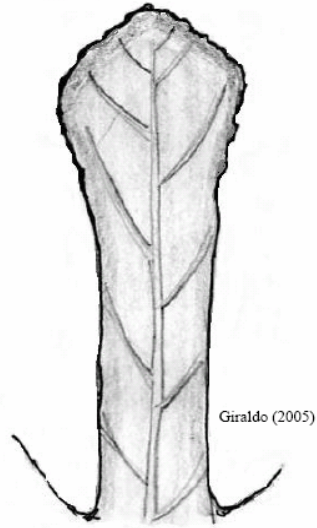
Choice of 10 shoots at random per selected tree and to count the number of leaves on the one-year-old shoot.

Ad. 17: (Only lobed leaf) Leaf: shape of central lobe

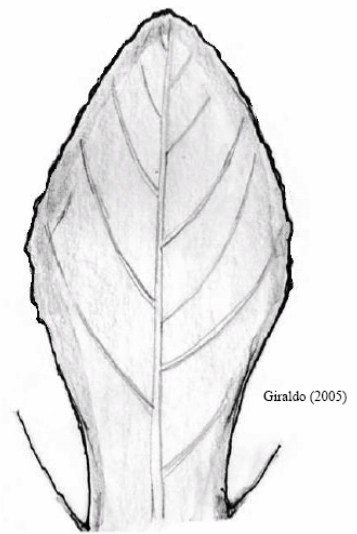
The form of the central lobe refers to the tri- and pentalobed leaves.



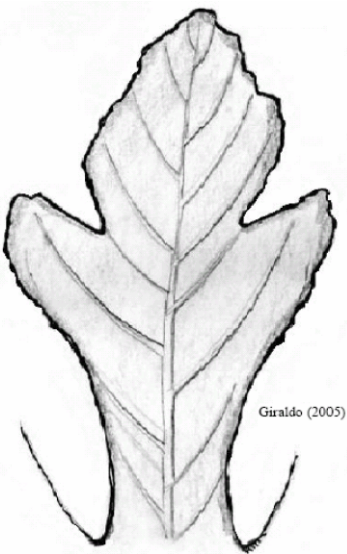
1
spatulate



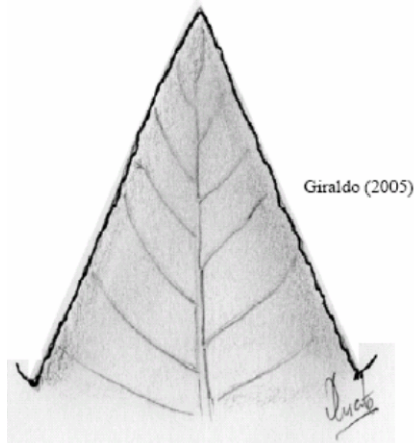
2
linear



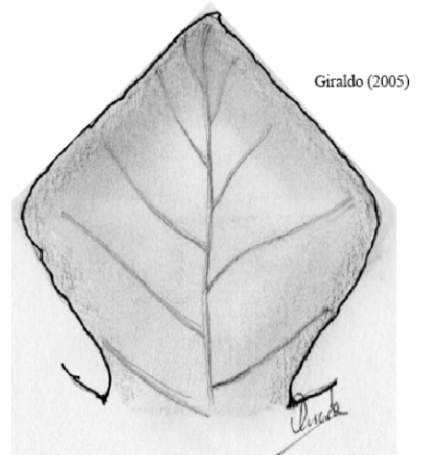
3
lanceolate



4
lyrate



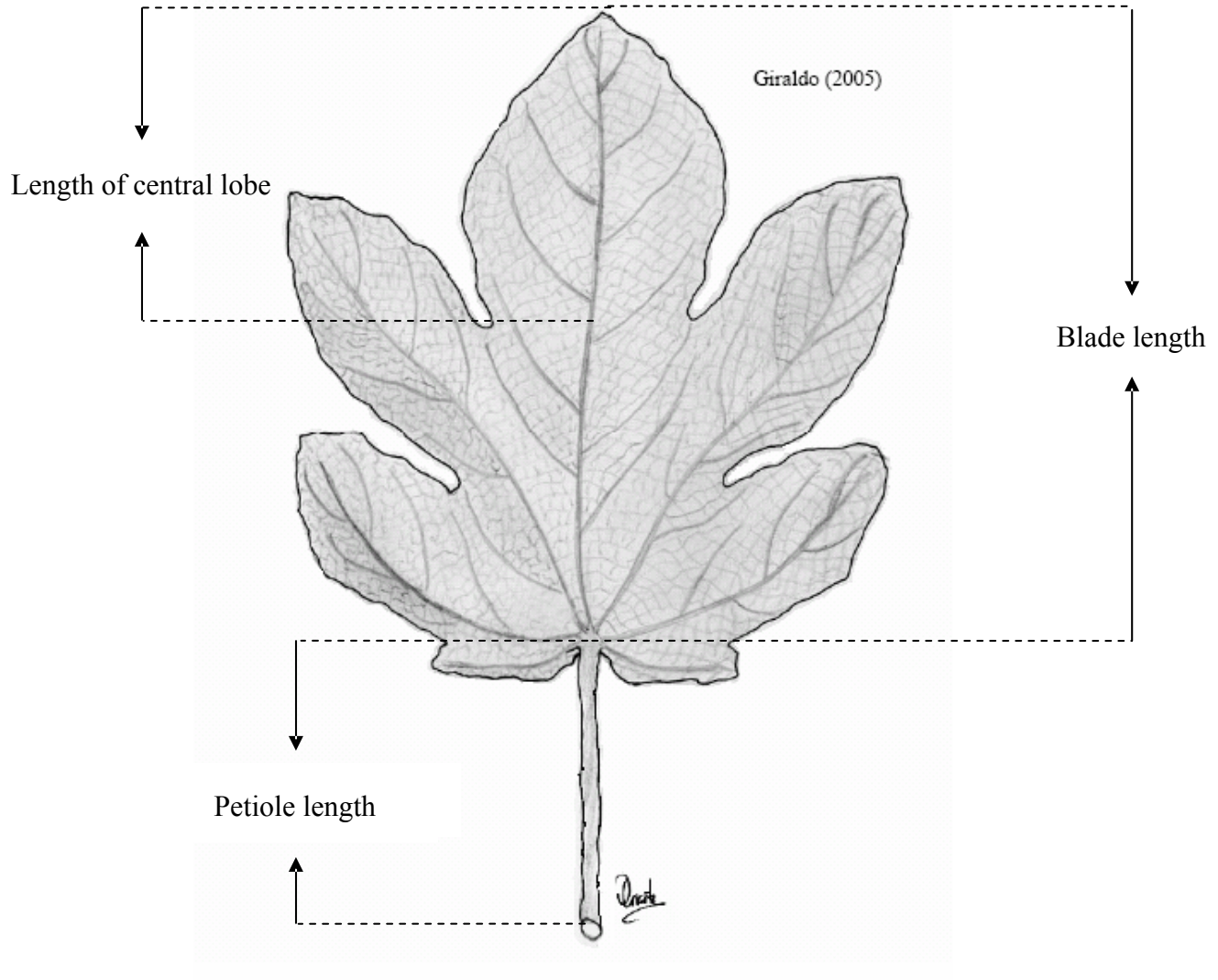
5
triangular



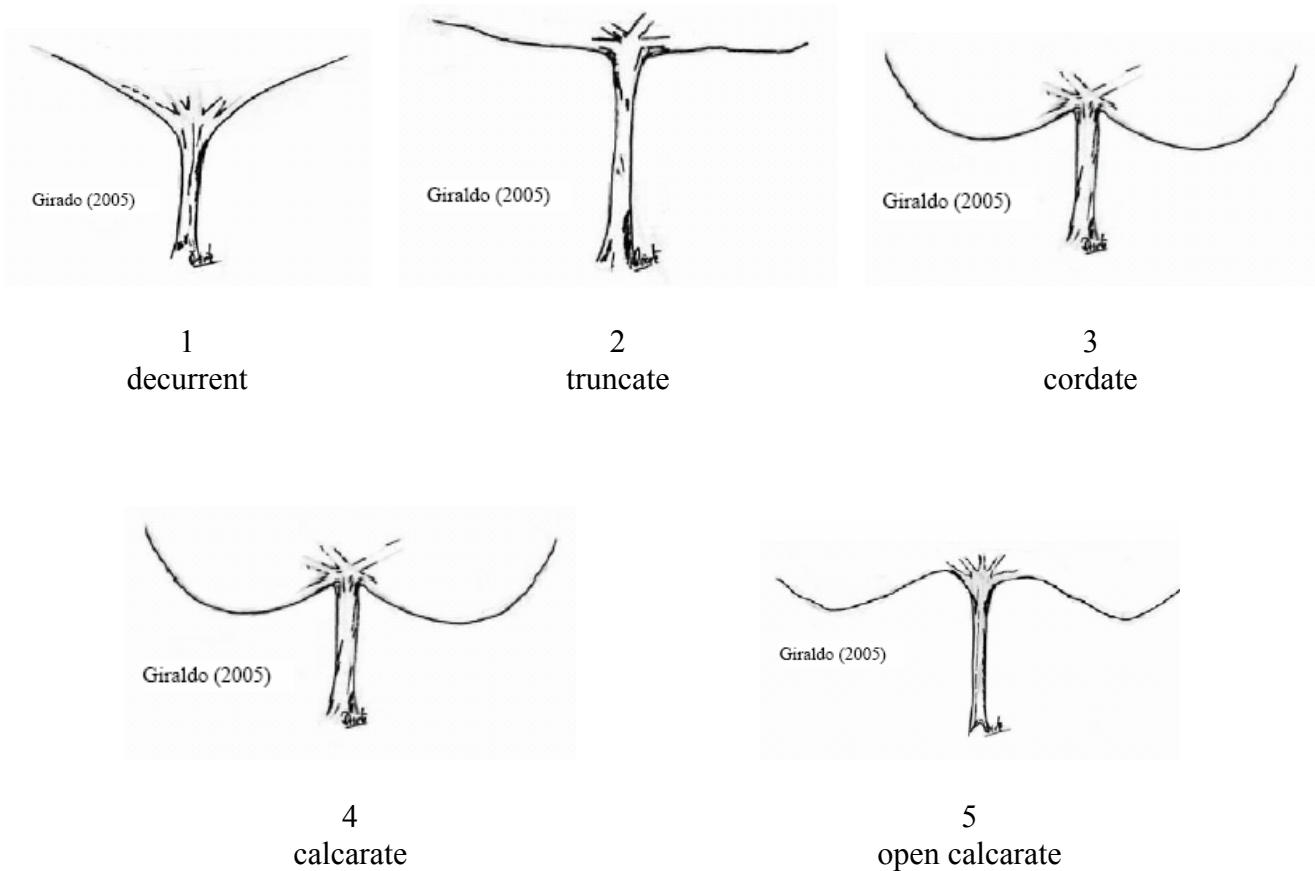
6
romboidal

Ad. 18: (Only lobed leaf) Lobed: Ratio length of central lobe/length blade

Ad. 20: Leaf blade: length



Ad. 19: Leaf: Shape of leaf base (petiole sinus)



- 1 decurrent: corresponds to an angle higher than 90° . The base of the leaf area is a straight line.
- 2 truncate: corresponds to an angle of 90° . The base of the leaf area is a straight line.
- 3 cordate: corresponds to an angle slightly smaller than 90° . The base of the leaf area presents a slight curvature whose maximum depth appears on the drawing 3. It lightly invades the petiole of the leaf.
- 4 calcarate: it lightly opens at first, and after presents a marked curvature. It clearly invades the petiole of the leaf. It is characteristic of the leaves that present big lobes.
- 5 open calcarate: it broadly opens at first, and after presents a slight curvature. It lightly invades the petiole of the leaf.

Ad. 24: Leaf: Petiole thickness

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

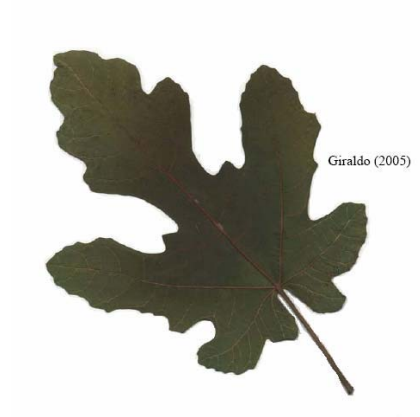
Ad. 25: Leaf: Petiole color

Color measure done by means of the Royal Horticultural Society Color Chart. They must be done in the middle part of the petiole.

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



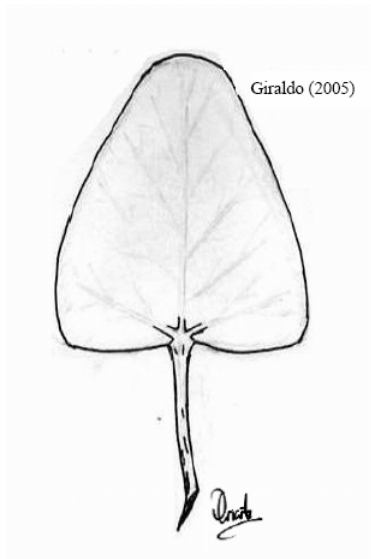
1
absent



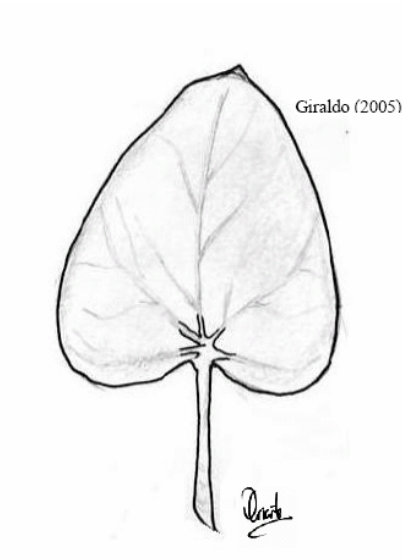
2
present

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

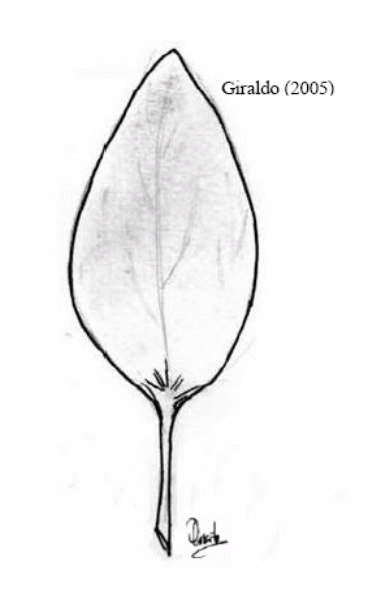
Ad. 28: Entire leaf: Shape



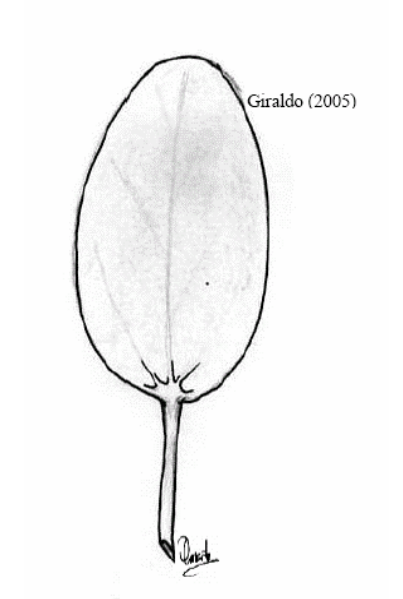
1
triangular



2
heart-shaped

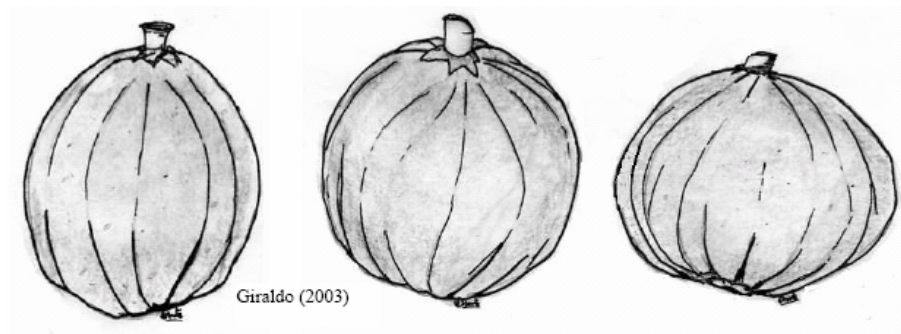


3
lanceolate

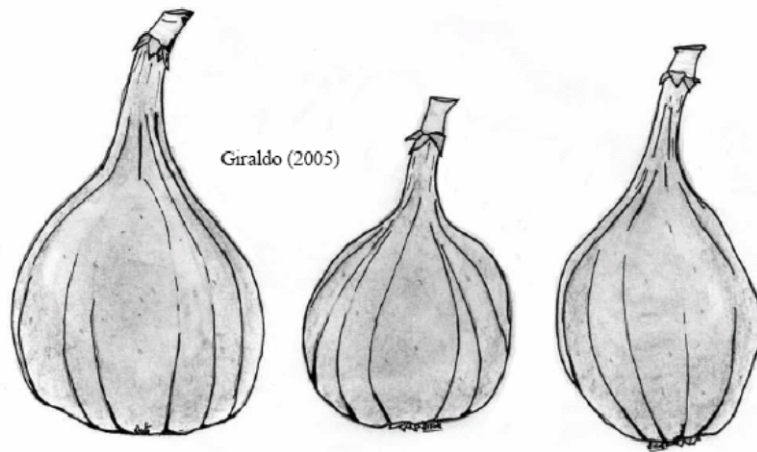


4
oblong

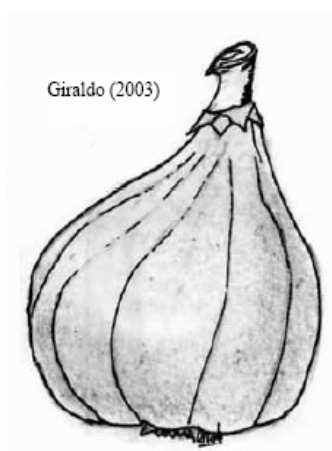
Ad. 29: Fruit: Shape



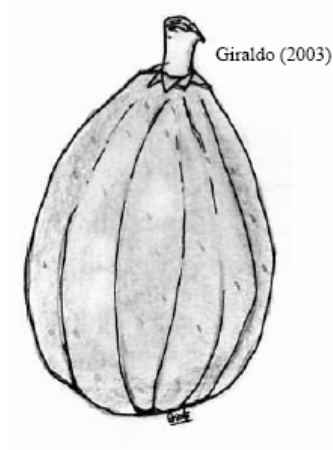
1. Spherical fruit



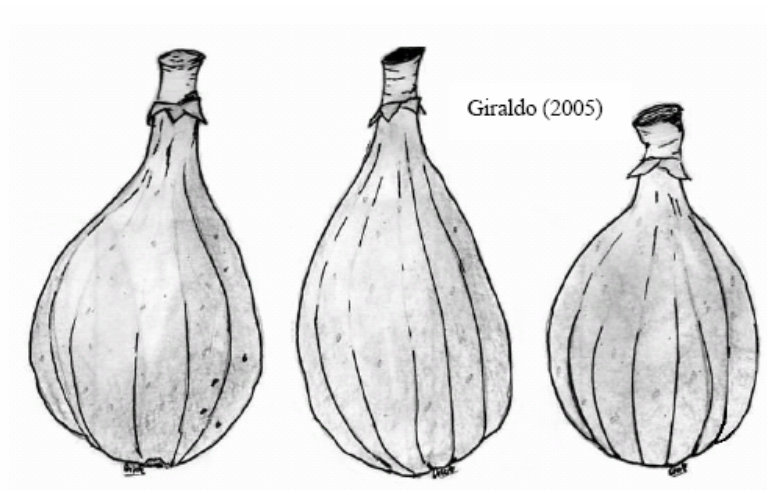
2. Cucurbitiform fruit



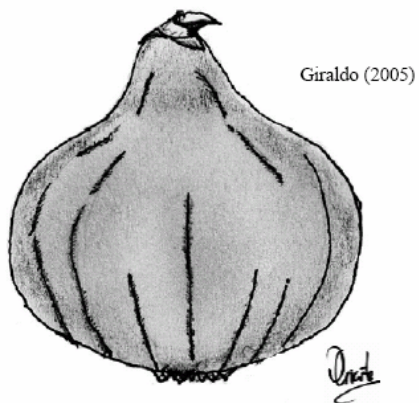
3. Turbinate fruit



4. Ovoidal fruit



5. Pyriform fruit



6. Apeonzado fruit

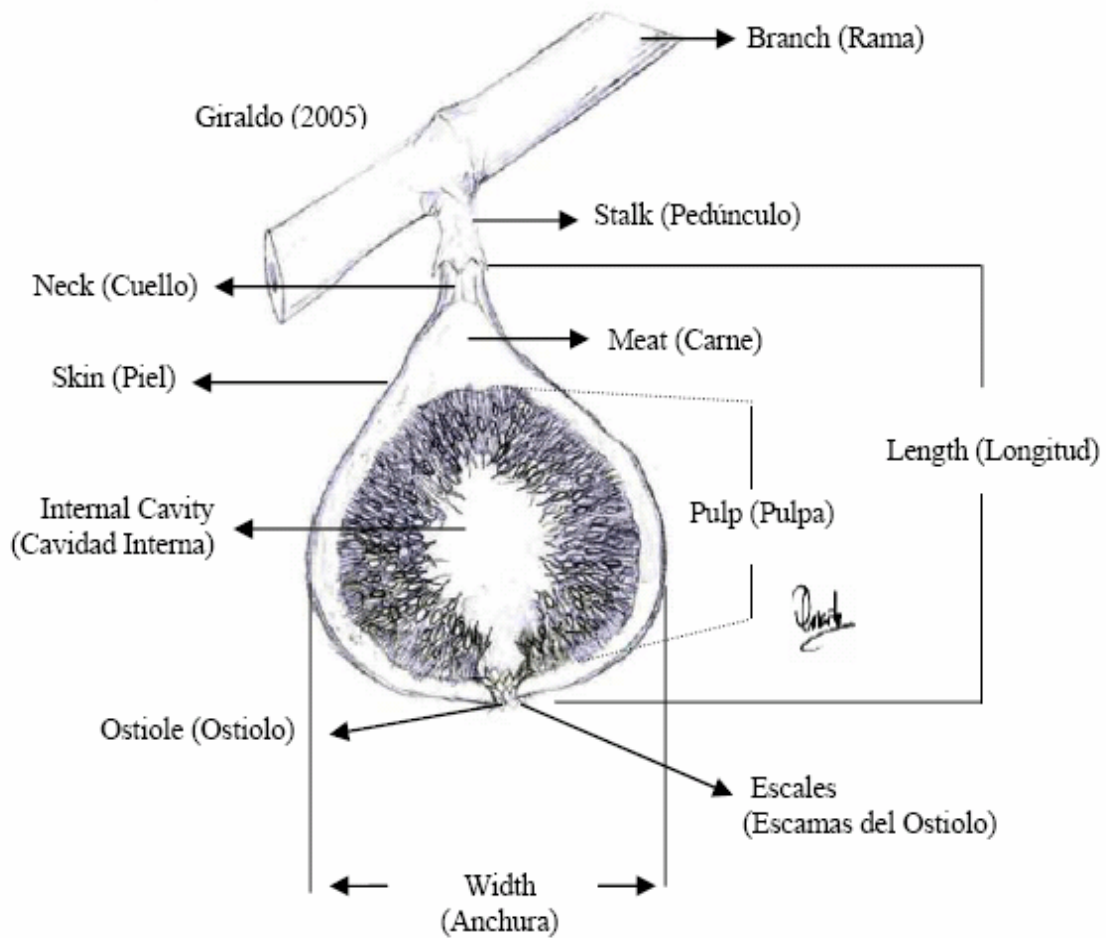
Ad. 31: Fruit: Length

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

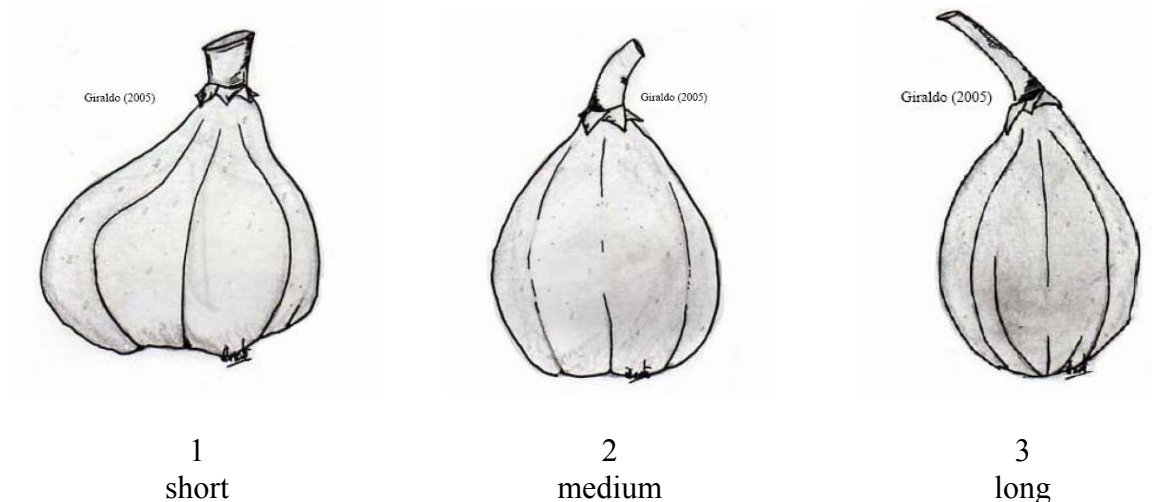
Ad. 35: Fruit: Ostiole size

This measurement includes the scales of the ostiole.

Fruit: Parts of the fruit



Ad. 36: Fruit: Stalk length



Ad. 37: Fruit: Skin ground color

The main color of fruit corresponds with the tonality more than the 50% of the whole surface 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)
- Yellow green (yellow-green group 144-150)
- Green yellow (yellow-green group 151-153)
- Yellow (yellow group 1-11)

Ad. 38: Fruit: Skin overcolor

It is considered from irregular patches to isolated spots, without an uniform distribution and regular band to longitudinal bands that periodically appear all over the fruit surface.

Color measurement done with the Royal Horticultural Society Color Chart.

- Regular bands yellow (yellow group 10-11)
- Regular bands green (yellow- green group 144)
- Regular bands purple (greyed- purple group 183-187)
- Irregular patches with yellow sector (yellow group 10-11)
- Irregular patches with yellow- green sector (yellow group 144)
- Irregular patches with purple sector (purple group 183-187)

Ad. 42: Fruit: Pulp color

Color measurement done with the Royal Horticultural Society Color Chart.

- White (yellow- white group 158)
- Amber (greyed- orange group 164)
- Pink (red group 56)
- Red (red group 53)
- Dark red (red- purple group 59)

Ad. 45: Fruit: Firmness of the skin

Determination of the skin resistance to the hand scratch.

Ad. 49: Fruit: Expression of skin cracks

1
cracked skin



2
scarce longitudinal cracks

Ad.53: Fruit: Ease of peeling

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: Production types

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

Ad. 56: Fruit: Abnormal fruit formation



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.

Ad.58: Date of leaf fall

Average date when the studied trees show 50% of the leaves fallen.

Synonym(s) of Example Varieties

| EXAMPLE VARIETIES | SYNONYM OF EXAMPLE VARIETIES |
|----------------------|---|
| “ARAIL” | |
| “ALACANTINA” | |
| “BLANCA ALBONDÓN” | |
| “BLANCA BETERA” | |
| “BLAVA” | |
| “BORDISSOT BLANCA” | “Col de Dame” “Blancassa”, “Blanca Clara”, “Cantina”, “Blanqueta” Blanca, Burjassot, Bourjassote Blanche, Bourjassote Branca, Olho cego |
| “BOTA MORADA” | |
| “BROWN TURKEY” | |
| “CUELLO DAMA NEGRO” | “Col de Dame Noir”, “Col di Signora Nero” “Negra”, “Col de Señora Negra” “Negra”, “Negra Málaga”, “Breval Malaga” |
| “CUELLO DAMA BLANCO” | “Col de Dame”, “Col di Signora”, “Col de Señora Blanca”, “Col di Signora Bianca”, “Col des Dames”, “Col de Dame Blanc”, “Coll de dama Blanca”, “Figue des Dames”, “Pera”, “Fraga”. |
| “FRANCISCANA” | |
| “HOÑIGAL” | |
| “KADOTA” | “Abruzzes”, “Adottato”, “Binello”, “Datteresi”, “Dottato Bianco”, “Dottato”, “Grascello”, “Trifero”, “Medot” “Gentile”, “Napoletani”, “Ottato”, “Uttato”, “Vottato” “Clarkadota”, “Endrich”, “white Endrich”, “White Pacific” |
| “LAMPAGA” | “Lampeira” “Lampapas”, “Lampas Portuguesa”, “Gentio”, “Roma Preto”, “Bispo”, “Cachopeiro Preto”, “Bacalar” “Preto”, “Lampo Preto”, y “Vindimo Preto”, “San Pedro” |
| “MARE DE DEU” | |
| “MOSCATEL” | “Moscatel Preto”, sinónima de “Brebera” “Moscatel Branco” sinónima de “Pingo de Mel” |
| “NAZARET” | |
| “NEGRA CALABACILLA” | |
| “NEGRA COMÚN” | |
| “NEGRA POZUELO” | |
| “PANACHE” | Abaldufada Rimada, Figa Turca, Maravilla, Princesa, Rayonne, Courgette Rayée, Jaspée Limone, Bourjassote Panachée, Père Hilarion, Striped Tiger, Zigarella, Col di Signora-Panachée, Variegato, Fracazzano Rigato, Bracotedesco, Ficus carica radiata |
| “PEZONUDA” | |
| “PICHOLETERA” | |
| “SAN JOAO BRANCO” | “Sain Jean Blanc” sinónima de “Croisic”, “Saint John” |
| “SMYRNA” | |
| “VERDEJO” | |
| “VERDEJUELA” | |

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: Number of bark tubers | (IPGRI 7.2.11) |
| 7. One-year-old shoot: Color | (IPGRI 7.2.10.3) |
| 8. One-year-old shoot: Length of internodes | |
| 9. One-year-old shoot: Number of internode | |
| 10. Terminal bud: Length/width ratio | (IPGRI 7.2.8) |
| 11. Terminal bud: Size | |
| 12. Terminal bud: Color | (IPGRI 7.2.9) |
| 13. Shoot: Bud support swelling | |
| 14. Two-year-old shoot: Tendency | |
| 15. Leaf: Predominant type | (IPGRI 7.3.2) |
| 16. Number of leaves per shoot | (IPGRI 7.3.1) |
| 17. (Only lobed leaf) Leaf: Shape of central lobe | (IPGRI 7.3.4) |
| 18. (Only lobed leaf) Leaf: ratio length of central lobe/length blade | (IPGRI 7.3.6) |
| 19. Leaf: shape of leaf base (petiole sinus) | |
| 20. Leaf blade: Length | (IPGRI 7.3.7) |
| 21. Leaf blade: Width | (IPGRI 7.3.8) |
| 22. Leaf: Petiole length | (IPGRI 7.3.9) |
| 23. Leaf: Ratio: Petiole length/blade length | (IPGRI 7.3.18) |
| 24. Leaf: Petiole thickness | (IPGRI 7.3.11) |
| 25. Leaf: Petiole color | (IPGRI 7.3.19) |
| 26. Lobed leaf: Little lateral lobes on petiole sinus | (IPGRI 7.3.21) |
| 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. (a and b) Fruit: Shape | |
| 30. (a and b) Fruit: Size | |
| 31. (a and b) Fruit: Length | |
| 32. (a and b) Fruit: Width | (IPGRI 7.4.7) |
| 33. (a and b) Fruit: Weight | (IPGRI 7.4.6) |
| 34. (a and b) Fruit: Neck length | (IPGRI 7.4.5) |
| 35. (a and b) Fruit: Ostiole size | (IPGRI 7.4.8) |
| 36. (a and b) Fruit: stalk length | (IPGRI 7.4.11) |
| 37. (a and b) Fruit: Skin ground color | (IPGRI 7.4.16) |
| 38. (a and b) Fruit: Skin overcolor | (IPGRI 7.4.26) |
| 39. (a and b) Fruit: Lenticels quantity | (IPGRI 7.4.27) |
| 40. (a and b) Fruit: Lenticels color | (IPGRI 7.4.28) |
| 41. (a and b) Fruit: Lenticels size | (IPGRI 7.4.29) |
| 42. (a and b) Fruit: pulp color | (IPGRI 7.4.30) |
| 43. (a and b) Fruit: Cavity pulp | (IPGRI 7.4.32) |
| 44. (a and b) Fruit: Juiciness | (IPGRI 7.4.35) |
| 45. (a and b) Fruit: Firmness of the skin | (IPGRI 7.4.35) |
| 46. (a and b) Fruit: Amount of achenes | (IPGRI 7.4.24) |
| 47. (a and b) Fruit: Achenes size | (IPGRI 7.4.36) |
| 48. (a and b) Fruit: Ribbing | (IPGRI 7.4.37) |
| 49. (a and b) Fruit: expression of skin cracks | (IPGRI 7.4.20) |
| 50. (a and b) Fruit: ostiolo cracks | (IPGRI 7.4.21) |
| 51. (a and b) Fruit: fruits per shoot | (IPGRI 7.4.22) |
| 52. (a and b) Fruit: Abscission of the talk from the twig | |
| 53. (a and b) Fruit: Ease of peeling | (IPGRI 7.4.18) |
| 54. (a and b) Production types | (IPGRI 7.4.19) |
| 55. (a and b) Fruit: Date of beginning of maturation | |
| 56. (a and b) Fruit: Abnormal fruit formation | (IPGRI 7.1.3) |
| 57. (a and b) Date of terminal bud- burst (leafing) | (IPGRI 7.17) |
| 58. (a and b) Date of leaf fall | (IPGRI 7.3.19) |

9. Literature

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10. Technical Questionnaire

| | | |
|--|------------------------|--|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: |
| | | Application date: |
| | | (not to be filled in by the applicant) |
| TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights | | |
| 1. Subject of the Technical Questionnaire | | |
| 1.1 Botanical name | <i>Ficus carica</i> L. | |
| 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: |
|--|-----------------|-------------------|
| <p>#4. Information on the breeding scheme and propagation of the variety</p> <p>4.1 Breeding scheme</p> <p>Variety resulting from:</p> <p>4.1.1 Crossing</p> <p>(a) controlled cross [] (please state parent varieties)</p> <p>(b) partially known cross [] (please state known parent variety(ies))</p> <p>(c) totally unknown cross []</p> <p>4.1.2 Mutation [] (please state parent variety)</p> <p>4.1.3 Discovery [] (please state where, when and how discovered)</p> <p>4.1.4 Other [] (please provide details)</p> <div style="border: 1px solid black; height: 30px; width: 470px; margin-left: 20px;"></div> | | |
| <p>4.2 Method of propagating the variety</p> <p>4.2.1 Vegetative propagation</p> <p>(a) budding or grafting []</p> <p>(b) other (state method) []</p> <p>4.2.2 Other [] (please provide details)"</p> <div style="border: 1px solid black; height: 30px; width: 470px; margin-left: 20px;"></div> | | |

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
|---|-------------------|-------------------|--|
| <p>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).</p> | | | |
| Characteristics | Example Varieties | Note | |
| <p>5.1 Leaf: predominant type (15)</p> | | | |
| entire | Martinenca Mina | 1[] | |
| three-lobed | Verdejo | 2[] | |
| five-lobed | Franciscana | 3[] | |
| <p>5.2 Fruit: Shape (main crop) (29b)</p> | | | |
| spherical | Bota Morada | 1[] | |
| cucurbitiform | Picholetera | 2[] | |
| turbinate | Moscatel | 3[] | |
| ovoidal | San Joao Branco | 4[] | |
| pyriform | Coll Dama Blanco | 5[] | |
| apeonzada | Bordissot Blanca | 6[] | |
| <p>5.3 Fruit: Skin ground color (main crop) (37b)</p> | | | |
| black | Negra Cabezuela | 1[] | |
| purple | Martinenca Mina | 2[] | |
| yellow-green | Verdejo | 3[] | |
| green-yellow | Mare de Deu | 4[] | |
| yellow | | 5[] | |
| <p>5.4 Fruit: Pulp color (main crop) (42b)</p> | | | |
| yellow-white | | 1[] | |
| amber | | 2[] | |
| pink | | 3[] | |
| red | | 4[] | |
| dark red | | 5[] | |

| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
|---|-------------------|-------------------|--|
| Characteristics | Example Varieties | Note | |
| 5.5 Production types (54) | | | |
| unífera | Picholetera | 1[] | |
| bífera | Cuello Dama Negro | 2[] | |
| San Pedro | Nazaret | 3[] | |
| Smirna | Smyrna | 4[] | |
| Caprifig | Tocal | 5[] | |
| 5.6 Fruit: time of beginning of maturation (main crop) (55b) | | | |
| early | | 1[] | |
| medium | | 3[] | |
| late | | 5[] | |
| very late | | 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> | | | |
| 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> |
| | | | |
| | | | |
| | | | |
| <p>Comments:</p> | | | |

| 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 <input type="checkbox"/> No <input type="checkbox"/></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 <input type="checkbox"/> No <input type="checkbox"/></p> <p>(If yes, please provide details)</p> <p>7.3 Other information</p> <p>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 <input type="checkbox"/> No <input type="checkbox"/></p> <p>(b) Has such authorization been obtained?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p> | | |

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

| | | | | | | | | | | | | | | |
|---|-----------------|-------------------|--|---------|--------|---|---------|--------|--------------------|---------|--------|-------------------|---------|--------|
| TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | | | | | | | | | | | | |
| <p>9. Information on plant material to be examined</p> <p>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.</p> <p>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:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">(a) Microorganisms (e.g. virus, bacteria, phytoplasma)</td> <td style="width: 15%;">Yes []</td> <td style="width: 15%;">No []</td> </tr> <tr> <td>(b) Chemical treatment (e.g. growth retardant, pesticide)</td> <td>Yes []</td> <td>No []</td> </tr> <tr> <td>(c) Tissue culture</td> <td>Yes []</td> <td>No []</td> </tr> <tr> <td>(d) Other factors</td> <td>Yes []</td> <td>No []</td> </tr> </table> <p>Please provide details for where you have indicated “yes”.</p> <p>.....</p> | | | (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 [] |
| (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 [] | | | | | | | | | | | | |
| <p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:</p> <p>Applicant's name <input style="width: 550px; height: 25px;" type="text"/></p> <p>Signature <input style="width: 350px; height: 25px;" type="text"/> Date <input style="width: 180px; height: 25px;" type="text"/></p> | | | | | | | | | | | | | | |

[End of document]