



TWF/33/12

ORIGINAL: English

DATE: October 22, 2002

**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA

**TECHNICAL WORKING PARTY  
FOR  
FRUIT CROPS**

**Thirty-Third Session  
San Carlos de Bariloche, Argentina  
November 25 to 29, 2002**

**WORKING PAPER ON DRAFT TEST GUIDELINES FOR CHERIMOYA**  
*(Annona cherimola Mill.)*

*Document prepared by Experts from Japan and Mexico*

The attached document TG/CHERIM(proj.1) already incorporates the standard wording of document TGP/7.2, which was adopted by the Technical Committee at its thirty-eighth session in April 2002, and includes some additional standard wording from document TGP/7.1 Draft 1, also agreed at that session.

[Document TG/CHERIM(proj.1) follows]



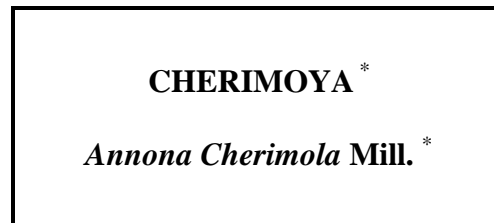


TG/CHERIM(proj.1) (TWF/33/12)

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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**  
GENEVA



**GUIDELINES**  
**FOR THE CONDUCT OF TESTS**  
**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

Alternative Names: \*

Latin	English	French	German	Spanish
<i>Annona Cherimola</i> Mill.	Cherimoya	Chérimolier	Cherimoya	Anona del Perú, Chirimoyo

**ASSOCIATED DOCUMENTS**

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as the "General Introduction") and its associated "TGP" documents.

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\* 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](http://www.upov.int)), for the latest information.]

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## 1. Subject of these Guidelines

These Test Guidelines apply to all varieties of *Annona Cherimola* Mill. and their hybrids.

## 2. Material Required

2.1 The competent authorities decide on the quantity and quality of the plant material required for testing the variety and when and where it is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities and phytosanitary requirements are complied with.

2.2 The material is to be supplied in the form of one-year-old grafts on rootstocks of *Annona Cherimola* L.

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

five plants (one-year old grafts) on rootstocks of *Annona Cherimola*.

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease. It should preferably not be obtained from *in vitro* propagation. If it has been produced by *in vitro* propagation this fact has to be stated by the applicant.

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 *Duration of Tests*

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

### 3.2 *Testing Place*

The tests should normally be conducted at one place. If any characteristics of the variety, which are relevant for the examination of DUS, cannot be seen at that place, the variety may be tested at an additional place.

### 3.3 *Conditions for Conducting the Examination*

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination. In particular, it is essential that the trees produce a satisfactory crop of fruit in each of the two growing cycles.

3.3.2 Characteristics containing the following notes 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 the one-year-old shoot should be made during dormant season.
- b One-year-old shoot: All observations on the one-year-old shoot should be made on the middle third.
- c Leaf: Unless otherwise stated, all observations on the leaf should be made on fully developed leaves from the middle third of a current season's shoot.
- d Flower: Unless otherwise stated, all observations on the flower should be made at the time of flowering when the petals are starting to separate.
- e Fruit: Unless otherwise stated, all observations on the fruit should be made on fruits at the time of harvest maturity.

### 3.4 *Test Design*

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

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 determined by measuring or counting should be made on 5 plants or 2 parts taken from each of 5 plants.

### 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 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 The acceptable number of off-types tolerated in a sample size of 5 plants is none on the basis of a population standard of 1% and an acceptance probability of 95% .

#### 4.3 *Stability*

4.3.1 In practice, it is not usual to perform tests of stability that produce results as certain as those of the testing of distinctness and uniformity. However, experience has demonstrated that, for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable.

4.3.2 Where appropriate, or in cases of doubt, stability may be tested, either by growing a further generation, or by testing a new seed or 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 is 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: shape in lateral view (characteristic 31);
- (b) Fruit: sectional pattern of surface (characteristic 35);
- (c) Fruit: protuberance on surface(characteristic 36);

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 Section 6.1.2

(QL) Qualitative characteristic – see Section 6.3

(QN) Quantitative characteristic – see Section 6.3

(PQ) Pseudo-Qualitative characteristic – see Section 6.3

(+) See Explanations on the Table of Characteristics in Chapter 8.

a to e See Section 3.3.2



7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

MoE	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>1.</b>	<b>a</b>	<b>Tree: length of internode</b>				
		short			Villapark, Big Sister	3
		medium			Bay Ott, Honey Hart	5
		long			Mariella, White, Pierce	7
<b>2.</b>	<b>a</b>	<b>Shoot: color</b>				
	<b>b</b>	grayish green			Big Sister, Chaffey	1
		gray			Bay Ott, Honey Hart	2
		brown			African Pride, Feno de Jete	3
<b>3.</b>	<b>a</b>	<b>Shoot: shoot hair</b>				
<b>new</b>	<b>b</b>	absent			African Pride, Gefner	1
		present			Bay Ott, Big Sister	9
<b>4.</b>	<b>c</b>	<b>Leaf blade: length</b>				
<b>new</b>		short			African Pride, Gefner	3
		medium			El Bumpo, Villapark	5
		long			Booth, Mariella	7
<b>5.</b>	<b>c</b>	<b>Leaf blade: width</b>				
<b>new</b>		narrow			African Pride, Gefner	3
		medium			El Bumpo, Villapark	5
		broad			Booth, Mariella	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>6.</b>	<b>[c]</b>	<b>Leaf blade: ratio length/width</b>				
<b>new</b>	small				African Pride, Gefner	3
	medium				El Bumpo, Villapark	5
	large				Booth, Mariella	7
<b>7.</b>	<b>[c]</b>	<b>Leaf blade: shape</b>				
(+)						
(*)						
<b>[3.]</b>	circular				Booth, Oakwood	1
	obate				Pierce, Ott, Miguel	2
	broad elliptic				Villapark, El Bumpo, Big Sister	3
	narrow elliptic				African Pride	4
<b>8.</b>	<b>[c]</b>	<b>Leaf blade: color of the leaf(upper side)</b>				
<b>new</b>	light green				Oakwood, Mariella	1
	green				Booth, Bay Ott	2
	dark green				Big Sister,	3
<b>9.</b>	<b>[c]</b>	<b>Leaf blade: color of the leaf(lower side)</b>				
<b>new</b>	green				Bay Ott, Big Sister	1
	dark green				African Pride, Gefner	2
<b>10.</b>	<b>[c]</b>	<b>Leaf blade: leaf hair(upper side)</b>				
<b>new</b>	absent				African Pride, Gefner	1
	present				Bay Ott, Big Sister	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
<b>11. [c]</b>	<b>Leaf blade: leaf hair(lower side)</b>						
<b>new</b>	absent				African Pride, Gefner	1	
	present				Bay Ott, Big sister	9	
<b>12. [c]</b>	<b>Petiole: length</b>						
<b>[6.]</b>	short				Honey Hart	3	
	medium				Feno de Jete	5	
	long				Big Sister	7	
<b>13. [c]</b>	<b>Petiole: thickness</b>						
<b>[7.]</b>	thin				Libby, Villapark	3	
	medium				Big Sister	5	
	thick				Bays, Salmon	7	
<b>14. [c]</b>	<b>Leaf blade: marginal waving</b>						
<b>[8.]</b>	absent				African Pride	1	
	weak				Pierce	3	
	medium				White	5	
	strong				Big Sister	7	
<b>15. [d]</b>	<b>Flower: density of flowers on flowering shoot</b>						
<b>[36.]</b>	sparse				Ott	3	
	medium				White	5	
	dense				Big Sister	7	

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>16. [d]</b>	<b>Outer petal: length</b>					
[9.]	short				Bays, White, Pink's Mommoth	3
	medium				El Bumpo, Big Sister, Sabor	5
	long				Libby, Villapark	7
<b>17. [d]</b>	<b>Outer petal: width</b>					
[10.]	narrow				Honey Hart, White	3
	medium				Pink's Mommoth, Campus, Miguel, Mariella	5
	broad				Libby, Villapark	7
<b>18. [d]</b>	<b>Outer petal: ratio length/width</b>					
[11.]	small				Honey Hart, White	3
	medium				Campus, Miguel	5
	large				Libby, Villapark	7
<b>19. [d]</b>	<b>Outer petal: thickness</b>					
[12.]	thin				Bays, Feno de Jete, Campas	3
	medium				Big Sister, Honey Hart	5
	thick				Libby, Sabor	7
<b>20. [d]</b>	<b>Outer petal: color</b>					
<b>new</b>	green				African Pride, Gefner	1
	yellow				Bay Ott, Big Sister	2
	light brown				El Bumpo, Pierce	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
<b>21. [d]</b>	<b>Inner petal: color</b>						
<b>new</b>	light yellow				Big Sister	1	
	cream				Libby	2	
	white				African Pride, Gefner	3	
<b>22. [d]</b>	<b>Peduncle: length</b>						
<b>[13.]</b>	short				Chaffey, Campas	3	
	medium				African Pride, Pink's Mommoth	5	
	long				Booth, Ell Bumpo	7	
<b>23. [d]</b>	<b>Petal: twisting just before anthesis</b>						
<b>[14.]</b>	small				White	3	
	medium				Big Sister	5	
	large				Villapark	7	
<b>24. [d]</b>	<b>Petal: curving</b>						
<b>[15.]</b>	small				Booth, Pierce	3	
	medium				White	5	
	large				Chaffey	7	
<b>25. [d]</b>	<b>Stigmatic cone: color</b>						
<b>new</b>	Pink					1	
	white				Bays, Bay Ott,	2	
<b>JP: Better to Delete. The difference between varieties is doubtful.</b>							
<b>26. [d]</b>	<b>Ovary:shape</b>						
<b>[16.]</b>	broad cordate				Chaffey	1	
	cordate				Bays, Campas, Spain	2	
	narrow cordate				VillaPark, Pierce, Booth	3	

	MoE	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota	
<b>27.</b>	<b>d</b>	<b>Ovary: length</b>						
<b>new</b>		short				African Pride, Gefner	3	
		medium				Chaffey	5	
		long				Big sister	7	
<b>28.</b>	<b>d</b>	<b>Ovary: width</b>						
<b>new</b>		narrow				African Pride, Gefner	3	
		medium				Chaffey	5	
		broad				Booth	7	
<b>29.</b>	<b>e</b>	<b>Fruit: length</b>						
<b>new</b>		short				Chafey	3	
		medium				Bay Ott	5	
		long				Big Sister	7	
<b>30.</b>	<b>e</b>	<b>Fruit: diameter in cross section</b>						
<b>new</b>		small				Bays, Bay Ott	3	
		medium				Mariella, Pierce	5	
		large				Big Sister, Salmon	7	
<b>31.</b>	<b>e</b>	<b>Fruit: shape in lateral view</b>						
(+)								
(*)								
<b>[17.]</b>		circular				Bay Ott, Chaffey	1	
		cordate				Bays, White, Pierce, Honey Hart	2	
		conical				Ell Bumpo, Libby, Mariella, Villapark	3	
		broad conical				Booth, Campas, Fino de Jete, Ott, Miguel	4	
		narrow elliptic				Big Sister	5	

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>32. [e]</b>	<b>Fruit: glossiness of skin</b>					
<b>new</b>	absent				Bays, Big Sister	1
	present				African Pride, Gefner	9
<b>33. [e]</b>	<b>Fruit: color of skin</b>					
(*)						
[19.]	pale yellow green				Pierce	1
	pale green				Big Sister, Libby, Bays	2
	grayish green				Sabor, Miguel, Campas	3
<b>34. [e]</b>	<b>Fruit: thickness of rind</b>					
[20.]	thin				Ell Bumpo	3
	medium				Big Sister	5
	thick				Bay Ott	7
<b>35. [e]</b>	<b>Fruit: sectional pattern of surface</b>					
(+)						
(*)						
[21.]	reticulate				Booth, Ott, Ell Bumpo	1
	scaly				Bay Ott, Spain, Big Sister	2
<b>36. [e]</b>	<b>Fruit: protuberance on surface</b>					
(+)						
(*)						
[22.]	absent				White, Honey Hart	1
	small				Big Sister, Mariella, Villapark, Libby	3
	medium				Ell Bumpo, Oakwood	5
	large				Sabor, Miguel	7

MoE	English	français	deutsch	español	Example Varieties Exemples Beispielsorten Variedades ejemplo	Note/ Nota
<b>37.</b>	<b>[e]</b>	<b>Fruit: color of flesh</b>				
[23.]	white				Pierce	1
	cream				Villapark	2
<b>38.</b>	<b>[e]</b>	<b>Fruit: texture of flesh</b>				
[24.]	soft				Ell Bumpo, Miguel	3
	medium				White	5
	firm				African Pride, Pink's Mommoth	7
<b>39.</b>	<b>[e]</b>	<b>Fruit: amount of fiber</b>				
[25.]	few				Ell Bumpo, African Pride	3
	medium				Big Sister, Chaffey, Libby, Miguel	5
	many				White, Bay Ott, Honey Hart, Mariella	7
<b>40.</b>	<b>[e]</b>	<b>Fruit: amount of stone cell</b>				
[26.]	few				Bay Ott, Honey Hart, Miguel, White	3
	medium				Big Sister, Chaffey, Libby	5
	many				Booth, Campas, Ott, Sabor	7
<b>41.</b>	<b>[e]</b>	<b>Fruit: juiciness of flesh</b>				
[27.]	low				Chaffey, Pierce	3
	medium				Bay Ott, Big Sister, Honey Hart	5
	high				Booth, Ell Bumpo, Mariella, Oakwood	7

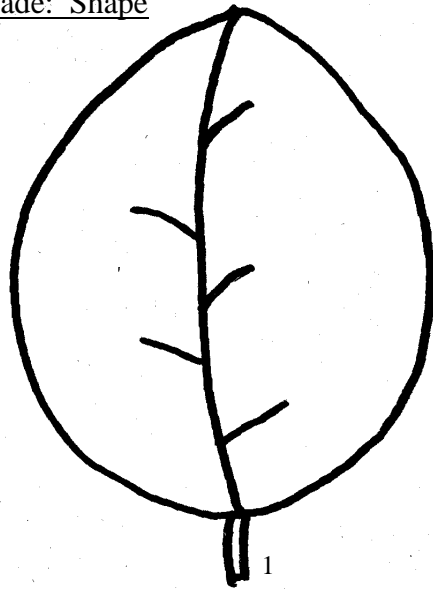


	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>42. [e]</b>	<b>Fruit: total soluble solids(sweetness)</b>					
[28.]	low				Pierce, Salmon	3
	medium				Big Sister, Libby, Mariella, Pink's mommoth, Ott	5
	high				White, Miguel, Sabor, Cumpas	7
<b>43. [e]</b>	<b>Fruit: acidity</b>					
[29.]	low				Big Sister, Fino de Jete, Campas	3
	medium				Booth, Miguel	5
	high				Bays, Ell Bumpo	7
<b>44. [e]</b>	<b>Fruit: aroma</b>					
[30.]	few				Big Sister, Pierce	3
	medium				Bays, Bay Ott, Ell Bumpo	5
	many				Booth, White, Honey Hart, Sabor	7
<b>45. [e]</b>	<b>Fruit: number of seeds</b>					
<b>new</b>	few				Salmon	3
	medium				Fino de Jete	5
	many				Big Sister	7
<b>46.</b>	<b>Seed: length</b>					
<b>new</b>	short				Oakwood, Pierce	3
	medium				Mariella	5
	long				Big Sister	7

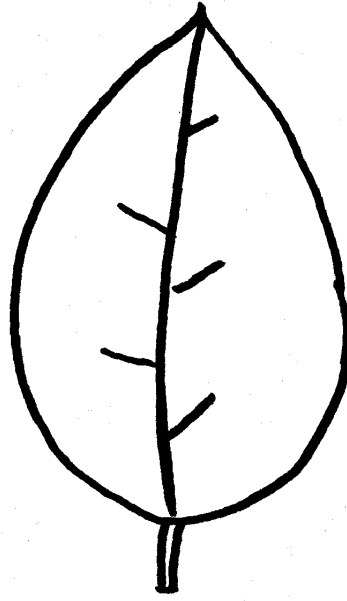
	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
<b>47.</b>	<b>Seed: width</b>					
<b>new</b>	narrow				African Pride, Gefner	3
	medium				Bay Ott, Honey Hart	5
	broad				Chaffey, Mariella	7
<b>48.</b>	<b>Seed: flesh to seed ratio (by weight)</b>					
<b>new</b>	small				Chaffey, Feno de Jete	3
	medium				African's Pride, Spain	5
	large				Pink's mommoth, White	7
<b>49.</b>	<b>Seed: shape</b>					
<b>[31.]</b>	narrow				Sabor, Bays	3
	medium				Salmon, Libby, White	5
	broad				Booth, Mariella	7
<b>50.</b>	<b>Seed: glossiness</b>					
<b>[33.]</b>	absent				Big Sister, White	1
	present				African Pride, Pink's Mommoth, Spain	9
<b>51.</b>	<b>Seed: adherence to flesh</b>					
<b>new</b>	weak				Booth, Campus	3
	medium				Big Sister, Chaffey	5
	strong				Bays, Bay Ott	7
<b>52.</b>	<b>Time of harvest maturity</b>					
<b>[34.]</b>	early				White, Ell Bumpo	3
	medium				Pierce, Mariella, Chaffey	5
	late				Big Sister, African Pride	7

8. Explanations on the Table of Characteristics

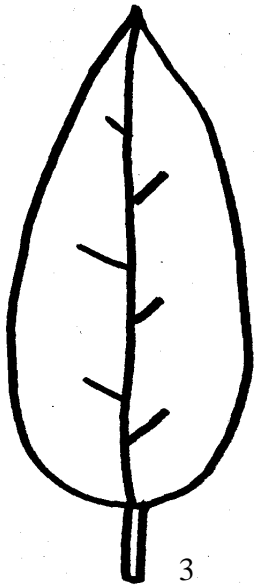
Ad.7: Leaf blade: Shape



1  
circular



2  
oblate

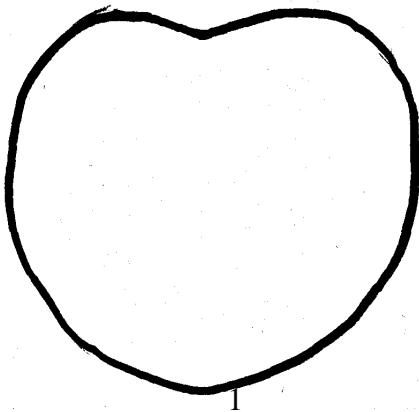


3  
broad elliptic

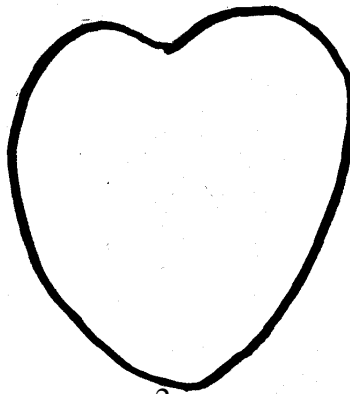


4  
narrow elliptic

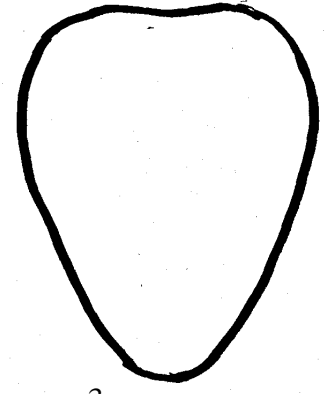
Ad.31: Fruit: shape in lateral view



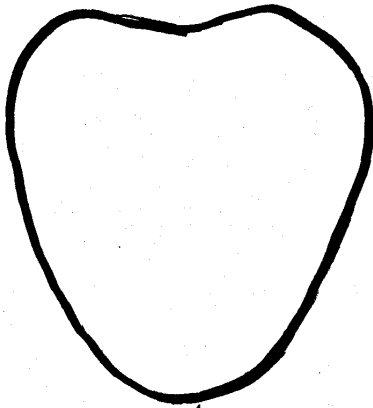
1  
circular



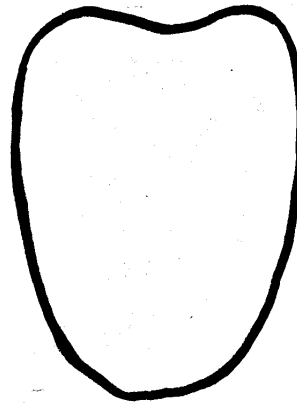
2  
cordate



3  
conical

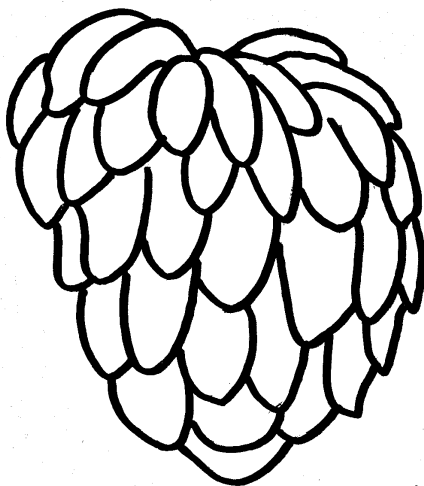


4  
broad conical

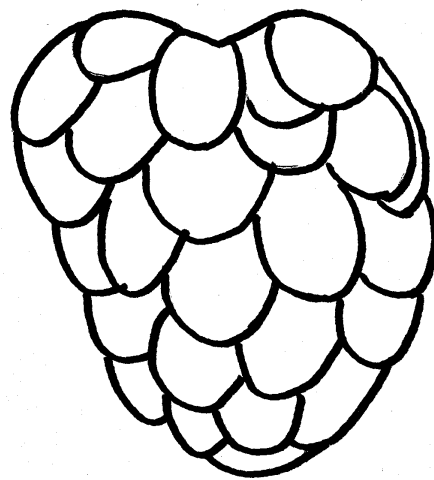


5  
narrow elliptical

Ad.35: Fruit: sectional pattern of surface

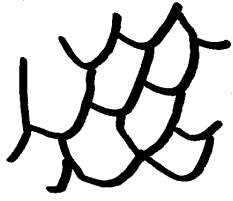


1  
reticulate

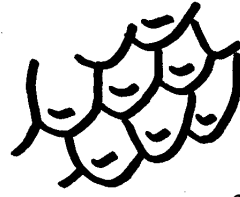


2  
scaly

Ad36: Fruit: protuberance on surface



1  
absent



2  
small



3  
medium



4  
large



9. Literature

Japanese National Test Guidelines for cherimoya (2000).

Yamashita, S.,(1995) Fruit of fascination-Cherimoya, Agriculture & Horticulture,Vol.70, No.11, p57-64

Introductory fruit tree variety characteristic investigation enterprise report(1994), Japan Fruit Tree Seedling and Clonial Association.

10. Technical Questionnaire

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<b>TECHNICAL QUESTIONNAIRE</b> to be completed in connection with an application for plant breeders' rights		
1. Subject of the Technical Questionnaire		
1.1 Latin Name	<input type="text" value="Annona Cherimola Mill."/>	
1.2 Common Name	<input type="text" value="CHERIMOYA"/>	
2. Applicant		
Name	<input type="text"/>	
Address	<input type="text"/>	
Telephone No.	<input type="text"/>	
Fax No.	<input type="text"/>	
E-mail address	<input type="text"/>	
Breeder (if different from applicant)	<input type="text"/>	
3. Proposed denomination and breeder's reference		
Proposed denomination (if available)	<input type="text"/>	
Breeder's reference	<input type="text"/>	

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

“4.1.1 Variety resulting from:

- (a) controlled cross [ ]  
 (please state parent varieties)
- (b) partially unknown 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 developed)

4.1.4 Other [ ]  
 (please provide details)

##### 4.2 Method of Propagating the Variety

###### 4.2.1 *In vitro* propagation

The plant material of the candidate variety has been obtained  
 by *in vitro* propagation yes [ ]  
no [ ]

4.2.2 Other type of multiplication (seed, leaf cutting, hardwood cutting,  
 layer): [ ]  
 (please specify)

.....

##### 4.3 Virus status

4.3.1 The variety is free from all known viruses as follows: [ ]  
 (indicate from which viruses)

.....

4.3.2 The plant material is virus tested (indicate against which viruses): [ ]  
 .....

4.3.3 The virus status is unknown [ ]



TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).

Characteristics	Example Varieties	Note
<b>5.1 Fruit: shape in lateral view (31)</b>		
circular	Bay Ott, Chaffey	1[ ]
cordate	Bays, White, Pierce, Honey Hart	2[ ]
conical	Ell Bumpo, Libby, Mariella, Villapark	3[ ]
broad conical	Booth, Campas, Fino de Jete, Ott, Miguel	4[ ]
narrow elliptic	Big Sister	5[ ]
<b>5.2 Fruit: sectional pattern of surface (35)</b>		
reticulate	Booth, Ott, Ell Bumpo	1[ ]
scaly	Bay Ott, Spain, Big Sister	2[ ]
<b>5.3 Fruit: protuberance on surface (36)</b>		
absent	White, Honey Hart	1[ ]
small	Big Sister, Mariella, Villapark, Libby	3[ ]
medium	Ell Bumpo, Oakwood	5[ ]
large	Sabor, Miguel	7[ ]



TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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7. Additional information which may help in the examination of the variety

7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety?

Yes [ ] No [ ]

(If yes, please provide details)

7.2 Special conditions for the examination of the variety

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

Yes [ ] No [ ]

7.2.2 If yes, please give details:

7.3 Other information

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes [ ] No [ ]

(b) Has such authorization been obtained?

Yes [ ] No [ ]

If the answer to (b) is yes, please attach a copy of the authorization.

9. 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]