

UPOV

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

DRAFT**SOUR CHERRY**

UPOV Code: PRUNU_CSS

Prunus cerasus L.

*

GUIDELINES**FOR THE CONDUCT OF TESTS****FOR DISTINCTNESS, UNIFORMITY AND STABILITY***prepared by an expert from Hungary**to be considered by the**Technical Working Party for Fruit Crops at its thirty-fifth session,
to be held in Marquardt (Potsdam), Germany, from July 19 to 23, 2004*

Alternative Names: *

<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Prunus cerasus</i> L. <i>Cerasus vulgaris</i> Mill.	Sour cherry, Tart cherry, Morello	Cerise acide	Sauerkirsche	Cerezo ácido, Guindo

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 guidelines ("Test 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.

* 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 *Prunus cerasus* L. *sensu lato* and its hybrids with *Prunus avium* L. (Duke cherries).

2. Material Required

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

2.2 The material is to be supplied in the form of one-year-old grafts, budsticks or dormant shoots for grafting.

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

5 trees (one-year-old grafts) or
3 budsticks or
5 dormant shoots for grafting, sufficient to propagate 5 trees.

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

2.4 The plant material supplied should be visibly healthy, not lacking in vigor, nor affected by any important pest or disease.

2.5 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

3. Method of Examination

3.1 *Number of Growing Cycles*

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

3.1.2 The growing cycle is considered to be the duration of a single growing season, beginning with bud burst (flowering and/or vegetative), flowering and fruit harvest, and concluding when the following dormant period ends with the swelling of new season buds.

3.2 *Testing Place*

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

3.3 *Conditions for Conducting the Examination*

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 number to be taken from each of the plants should be 2. In the case of fruit and stone characteristics, observations should be made on 15 fruits, three taken from each of five trees.

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 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: size (characteristic 28);
- (b) Fruit: color of skin (characteristic 37);
- (c) Fruit: color of flesh (characteristic 38);
- (d) Fruit: color of juice (characteristic 39);
- (e) Time of beginning of flowering (characteristic 47);
- (f) Time of beginning of fruit ripening (characteristic 48).

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

(a)–(d) See Explanations on the Table of Characteristics in Chapter 8, Section 8.1

(+) See Explanations on the Table of Characteristics in Chapter 8, Section 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. Tree: type					
(*)					
(+)					
QL (a) normal				Fanal, Montmorency, Pándy 279	1
spur					2
2. Tree: vigor					
(+)					
QN (a) very weak				Kelleriis 14	1
weak				Gerema, Schattenmorelle	3
medium				Montmorency	5
strong				Kántorjánosi 3, Pándy	7
very strong				Érdi nagygyümölcsű	9
3. Tree: habit					
(*)					
(+)					
PQ (a) very upright				Piramis, Tarina	1
upright				Újfehértói fürtös	2
semi upright				Pándy	3
spreading				Montmorency	4
drooping				Cigánymeggy 7	5

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
4.	Tree: degree of branching					
(*)						
(+)						
QN	(a) weak				Meteor korai, Piramis	3
	medium				Pándy	5
	strong				Cigánymeggy 7, Montmorency	7
5.	Tree: type of bud development					
(+)						
PQ	buds along entire branches				Maliga emléke, Piramis	1
	buds only on the middle and outer parts of branches				Érdi jubileum, Meteor	2
	buds only on outer parts of branches				Cigánymeggy 7, Schattenmorelle	3
6.	Young shoot: anthocyanin coloration of apex (during rapid growth)					
QN	absent or very weak				Cigánymeggy 59	1
	weak				Újfehértói fürtös	3
	medium				Favorit, Maliga emléke	5
	strong				Fanal, Piramis	7
	very strong				Érdi nagygyümölcsű, Topas	9
7.	Young shoot: hairiness of apex (during rapid growth)					
QN	weak				Cigánymeggy 7	3
	medium					5
	strong				Érdi nagygyümölcsű	7

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
8. One-year-old shoot: number of lenticels					
QN (a) few				Gerema, Morellenfeuer, Pándy	3
medium				Meteor	5
many				Favorit, Maliga emléke	7
9. One-year-old shoot: position of vegetative bud in relation to shoot					
(+)					
PQ (a) slightly held out				Kántorjánosi 3	1
strongly held out				Cigánymeggy 7, Pándy	2
10. Leaf blade: length					
QN (b) short				Meteor, Oblachinska	3
medium				Cigánymeggy C. 404	5
long				Pándy, Piramis	7
11. Leaf blade: width					
QN (b) narrow				Montmorency, Oblachinska	3
medium				Pándy	5
broad				Érdi nagygyümölcsű, Piramis	7
12. Leaf blade: ratio length/width					
(*)					
QN (b) small				Meteor, Oblachinska	3
medium				Piramis	5
large				Favorit, Montmorency	7
13. Leaf blade: green color of upper side					
QN (b) light				Pipacs 1	3
medium				Pándy	5
dark				Meteor	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
14.	Leaf blade: glossiness					
QN	(b) absent or weak				Csengódi , Schattenmorelle	3
	medium				Debreceni bötermő, Nana	5
	strong				Pándy, Piramis	7
15.	Leaf: length of petiole					
QN	(b) short				Meteor, Oblachinska	3
	medium				Montmorency	5
	long				Favorit	7
16.	Leaf: anthocyanin coloration of petiole (upper side)					
QN	(b) weak				Gerema, Schattenmorelle	3
	medium				Favorit	5
	strong				Fanal, Safir	7
17.	Leaf: ratio length of petiole/length of blade					
QN	(b) small				Meteor	3
	medium				Montmorency	5
	large				Favorit	7
18.	Petiole: nectaries					
QL	(b) absent				North Star, Oblachinska	1
	present				Favorit, Piramis	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
19.	Petiole: color of nectaries					
PQ	(b) greenish yellow				Morellenfeuer	1
	orange yellow				Favorit, Topas	2
	light red					3
	dark red				Nana, Piramis	4
	brownish				Meteor	5
20.	Petiole: position of nectaries					
	(b) at the base of leaf blade				Karneol, Piramis	1
	both at the base of leaf blade and on petiole				Favorit, Morellenfeuer	2
	on petiole				Tarina	3
21.	Stipule: size					
	(+)					
QN	(b) small				Favorit	3
	medium				Debreceni bőtermő	5
	large				Meteor korai, Pipacs 1	7
22.	Stipule: shape					
	(+)					
PQ	(b) subulate				Oblachinska	1
	triangular with erose margin				Piramis	2
	triangular with strongly serrate lobes				Meteor korai	3

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
23. Position of stipule to petiole and/or shoot					
(+) PQ (b)					
	between petiole and shoot			Meteor	1
	adpressed to shoot			Meteor korai	2
	leaning over the shoot			Pipacs 1	3
24. Flower: diameter					
(+) QN (c)					
	small			Nana, Oblachinska	3
	medium			Montmorency	5
	large			Érdi nagygyümölcsű, Pándy	7
25. Flower: shape of petal					
(+) PQ (c)					
	medium obovate			Pándy, Pipacs 1	1
	broad obovate			Korai pipacs, Maliga emléke	2
	circular			Meteor, Favorit	3
26. Petals: relative position of margins					
(+) PQ (c)					
	free			Pándy, Piramis	1
	touching			Érdi jubileum	2
	overlapping			Favorit, Oblachinska, Meteor korai	3
	irregular				4
27. Fruit: position					
PQ (d)					
	alone			Cerella, Nabella	1
	double			Safir	2
	in groups			Stevnsbear	3
	irregular			Schattenmorelle	4

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
28. Fruit: size					
(*)					
QN	(d)	very small		Oblachinska, Stevnsbaer	1
		small		Cigánymeggy 7	3
		medium		Érdi bőtermő	5
		large		Favorit, Pándy	7
		very large		Érdi nagygyümölcsű, Piramis	9
29. Fruit: shape in ventral view					
(*)					
(+)					
PQ	(d)	reniform		Érdi jubileum, Pándy	1
		oblate		Montmorency	2
		circular		Maliga emléke, Nana	3
		oblong		Csengódi, Karneol	4
30. Fruit: pistil end					
PQ	(d)	prominent		Favorit	1
		flat		Korai pipacs	2
		depressed		Cigánymeggy C. 404, Montmorency	3
31. Fruit: length of stalk					
(*)					
QN		very short			1
		short		Nana, Piramis	3
	(d)	medium		Morina, Pándy	5
		long		Favorit	7
		very long		Csengódi, Pipacs 1	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
32.	Fruit: thickness of stalk					
QN (d)	thin				Schattenmorelle	3
	medium				Pándy	5
	thick				Piramis	7
33.	Fruit: anthocyanin coloration of stalk					
QL (d)	absent				Meteor korai	1
	present				Újfehértói fürtös	9
34.	Fruit: number of bracts on stalk					
QN (d)	absent or few				Piramis, Tarina	1
	medium				Érdi bőtermő, Morina	2
	many				Gerema, Kántorjánosi 3, Morellenfeuer	3
35.	Fruit: size of bracts on stalk					
QN (d)	small				Érdi bőtermő, Maliga emléke	3
	medium				Cigánymeggy C. 404, Favorit,	5
	large				Kántorjánosi 3, Újfehértói fürtös	7
36.	Fruit: abscission layer between stalk and fruit					
QL (d)	absent				Kőrösi korai, Meteor korai	1
	present				Újfehértói fürtös	9

English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
37. Fruit: color of skin					
(*)					
PQ (d) vermilion				Glasweichsel, Pipacs 1	1
orange red				Meteor	2
light red				Montmorency	3
medium red				Pándy	4
brown red				Karneol	5
dark red				Cigánymeggy 7, Gerema, Nana	6
38. Fruit: color of flesh					
(*)					
PQ (d) yellowish				Pipacs 1	1
pink				Meteor, Pándy	2
medium red				Kántorjánosi 3, Karneol	3
dark red				Cigánymeggy 7, Fanal	4
39. Fruit: color of juice					
(*)					
PQ (d) colorless				Montmorency	1
cream yellow				Pipacs 1	2
pink				Meteor, Pándy	3
medium red				Kántorjánosi 3, Karneol	4
dark red				Cigánymeggy 7, Fanal	5
40. Fruit: firmness					
(*)					
QN (d) soft				Csengódi, Morellenfeuer	3
medium				Karneol, Pándy	5
firm				Érdi jubileum	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
41.	Fruit: acidity					
QN	(d) very low				Érdi nagygyümölcsű	1
	low				Érdi bőtermő	3
	medium				Impératrice Eugénie, Pándy	5
	high				Meteor, Montmorency	7
	very high				Schattenmorelle	9
42.	Fruit: sweetness					
QN	(d) low				Montmorency	3
	medium				Pándy	5
	strong				Érdi jubileum	7
43.	Fruit: juiciness					
QN	(d) weak				Érdi jubileum	3
	medium				Maliga emléke, Pándy	5
	strong				Csengődi, Montmorency	7
44.	Stone: size					
	(*)					
QN	(d) small				Oblachinska, Stevnsbaer	3
	medium				Érdi bőtermő, Schattenmorelle	5
	large				Pándy, Piramis	7
45.	Stone: shape in ventral view					
	(*)					
	(+)					
QN	(d) narrow elliptic				Csengődi, Meteor	1
	broad elliptic				Fanal, Maliga emléke	2
	round				Érdi jubileum, Morellenfeuer	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
46.	Stone: size relative to fruit					
(*)						
QN	(d) small				Debreceni bőtermő, Tarina	3
	medium				Fanal, Pándy	5
	large				Oblachinska	7
47.	Time of beginning of flowering					
(*)						
(+)						
QN	very early					1
	early				Meteor korai, Favorit	3
	medium				Cigánymeggy 7, Vowi	5
	late				Gerema, Morellenfeuer	7
	very late				Schattenmorelle	9
48.	Time of beginning of fruit ripening					
(*)						
(+)						
QN	very early					1
	early				Impératrice Eugénie, Meteor korai	3
	medium				Érdi bőtermő, Favorit	5
	late				Kántorjánosi 3, Pándy	7
	very late				Schattenmorelle	9

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 of the leaf should be made on the middle fully developed leaves of a spur in summer.
- (c) Flower: Unless otherwise stated, all observations on the flower should be made on fully developed flowers at the beginning of anther dehiscence.
- (d) Fruit: All observations on the fruit and stone should be made at full maturity.

8.2 *Explanations for individual characteristics*

Ad. 1: Tree: type



1
normal

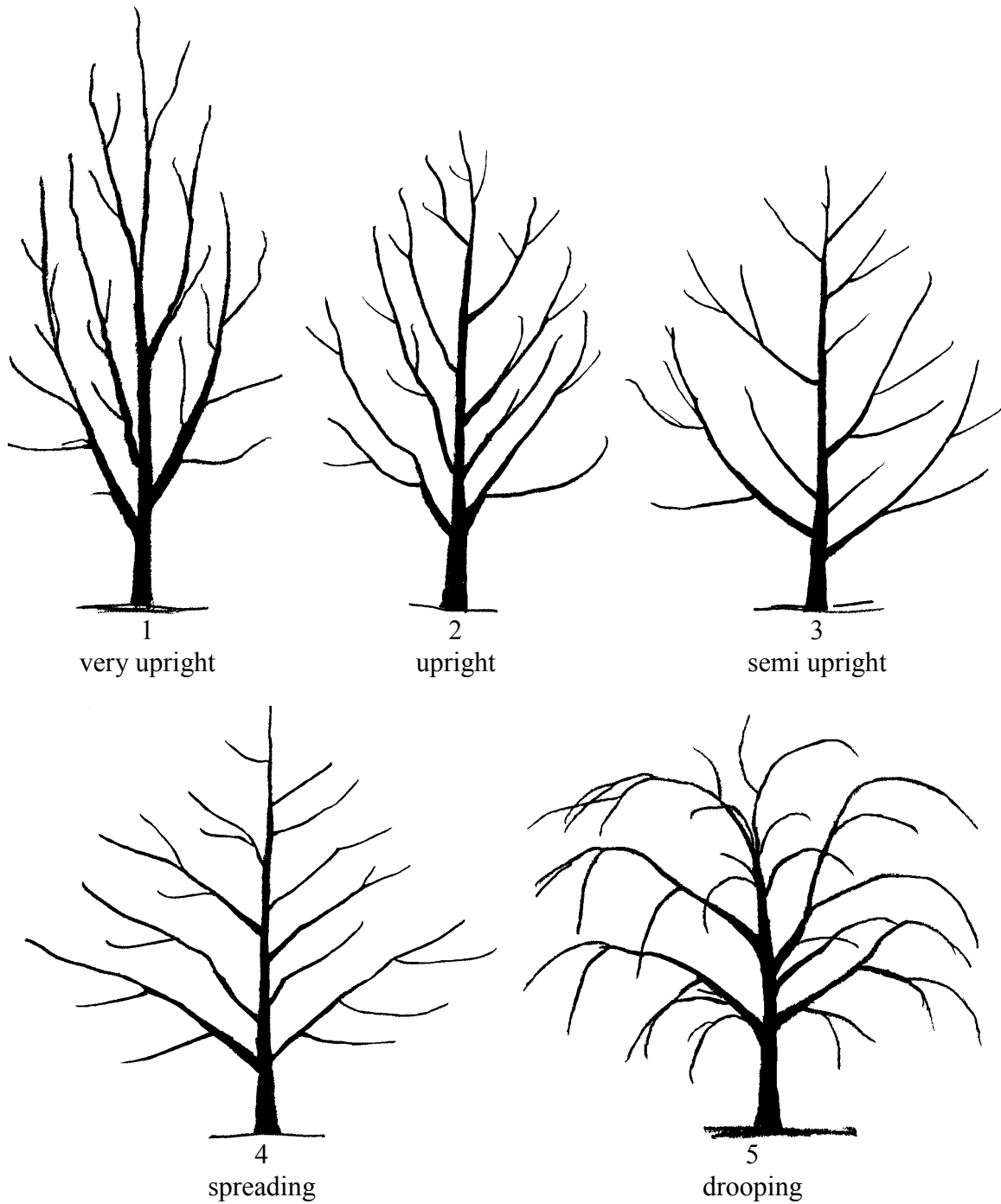


2
spur

Ad. 2: Tree: vigor

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

Ad. 3: Tree: habit



Ad. 4: Tree: degree of branching

Observations should be carried out on scaffold branches with the degree of branching being indicated by the density of lateral branches and shoots, excluding fruiting shoots.

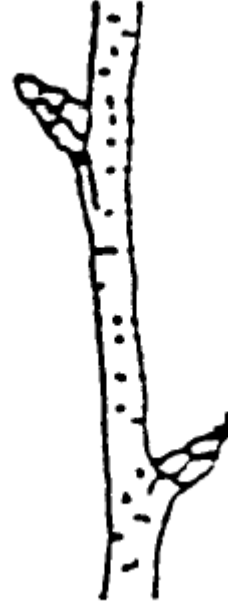
Ad. 5: Tree: type of bud development

Observations should be carried out before picking time.

Ad. 9: One-year-old shoot: position of vegetative bud in relation to shoot



1
slightly held out



2
strongly held out

Ad. 21: Stipule: size

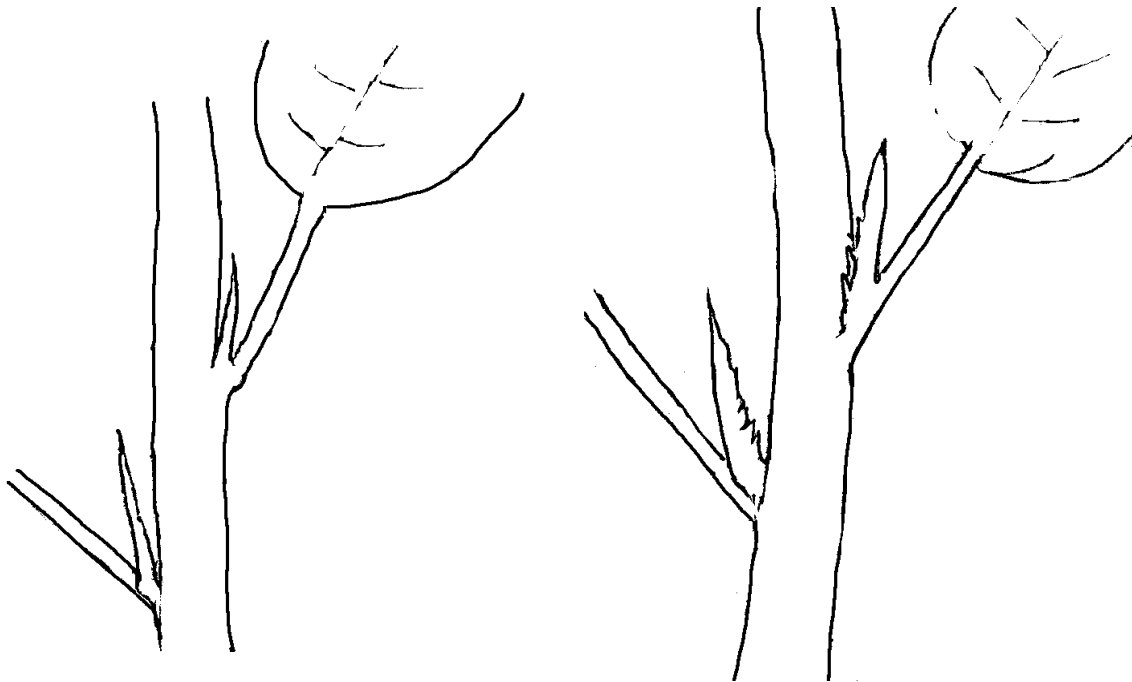
Ad. 22: Stipule: shape

Ad. 23: Position of stipule to petiole and/or shoot

All observations of stipule should be made on the fifth or sixth fully developed leaf on a long shoot during the rapid growth.

Ad. 22: Stipule: shape

All observations of stipule should be made on the fifth or sixth fully developed leaf on a long shoot during the rapid growth.



1
subulate

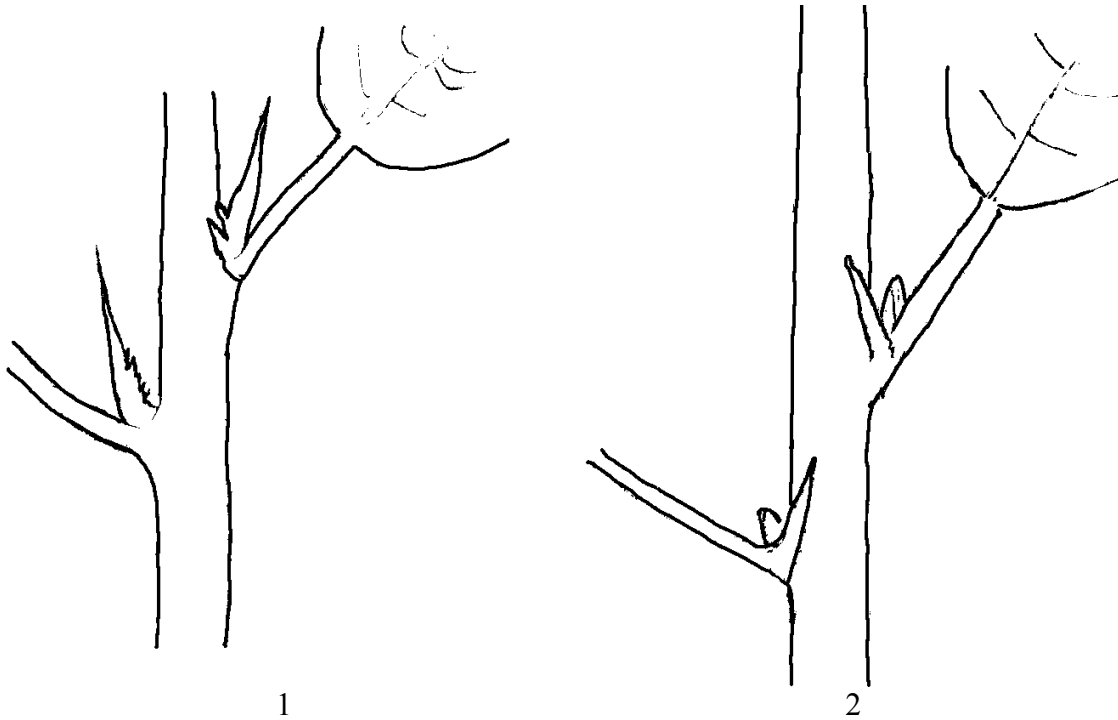
2
triangular with erose margin



3
triangular with strongly serrate lobes

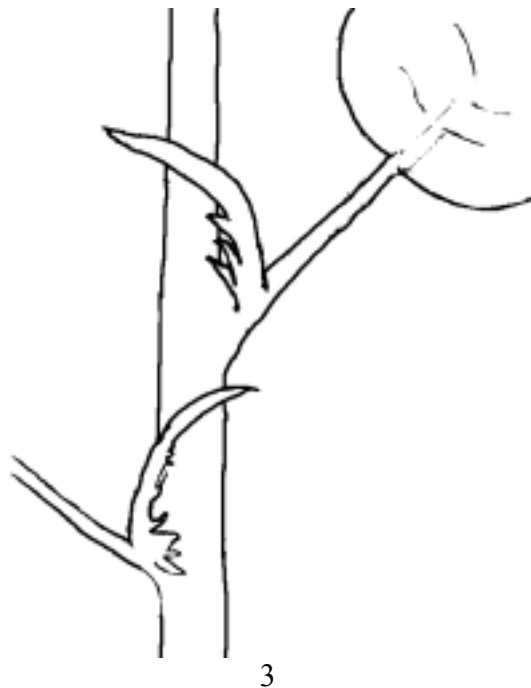
Ad. 23: Position of stipule to petiole and/or shoot

All observations of stipule should be made on the fifth or sixth fully developed leaf on a long shoot during the rapid growth.



between petiole and shoot

adressed to shoot

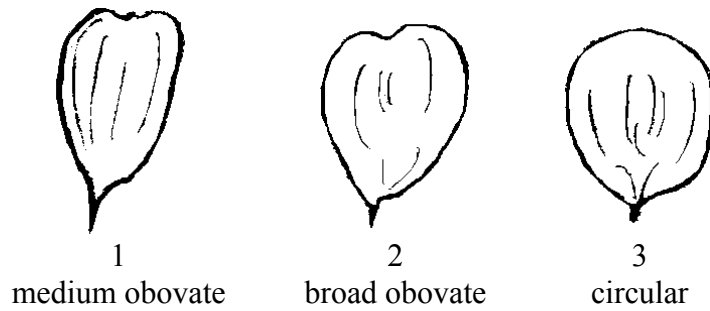


leaning over the shoot

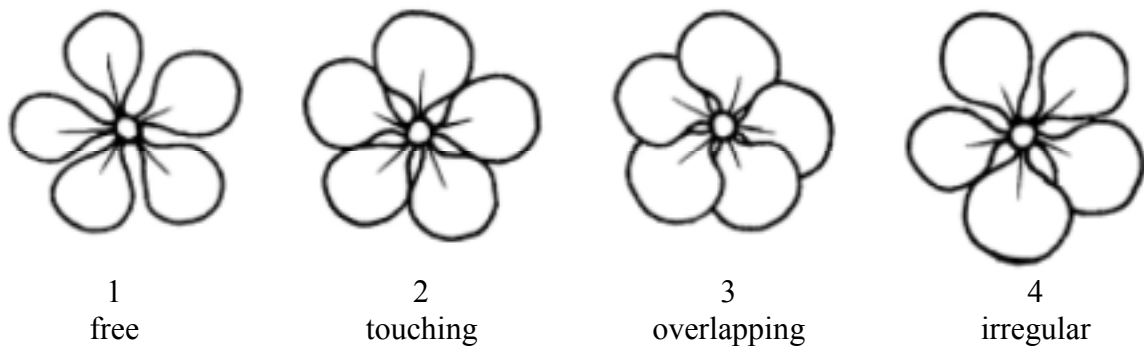
Ad. 24: Flower: diameter

Observations or measurements should be carried out on completely opened flowers with petals pressed into horizontal position.

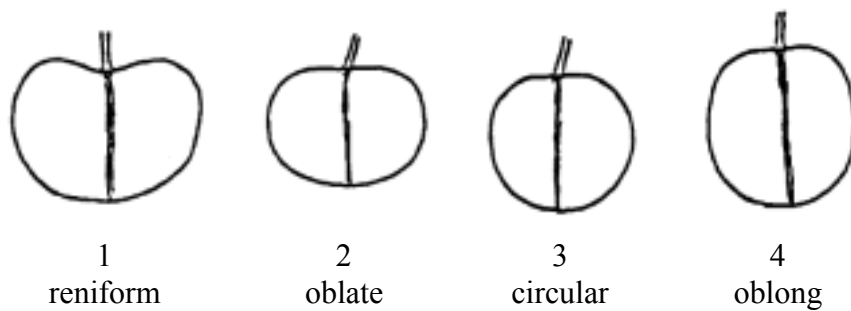
Ad. 25: Flower: shape of petal



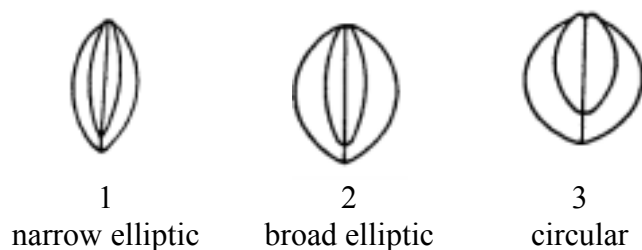
Ad. 26: Petals: relative position of margins



Ad. 29: Fruit: shape in ventral view



Ad. 45: Stone: shape in ventral view



Ad. 47: Time of beginning of flowering

When 5-10% open flowers can be observed.

Ad. 48: Time of beginning of fruit ripening

When 5-10% ripen fruits can be observed. Fruit ripening should be considered as the time of eating ripeness, when the fruit can be most easily removed from the stalk.

8.3 *Synonym(s) of Example Varieties*

Example Varieties	Synonym(s)
Cigánymeggy	Zigeunerkersche
Fanal	Heimanns Konservenweichsel
Morellenfeuer	Kelleriis 16
Pándy	Köröser Weichsel, Crişane
Schattenmorelle	Griotte du Nord, Lotovka, Latos meggy, Morella pozdní

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	<input type="text" value="Prunus cerasus L."/>	
1.2 Common name	<input type="text" value="SOUR CHERRY"/>	
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

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) unknown cross []

4.1.2 Mutation []
(please state parent variety)

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

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)

#

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:
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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
5.1 Fruit: size (28)		
very small	Oblachinska, Stevnsbaer	1[]
small	Cigánymeggy 7	3[]
medium	Érdi bőtermő	5[]
large	Favorit, Pándy	7[]
very large	Érdi nagygyümölcsű, Piramis	9[]
5.2 Fruit: color of skin (37)		
vermilion	Glasweichsel, Pipacs 1	1[]
orange red	Meteor	2[]
light red	Montmorency	3[]
medium red	Pándy	4[]
brown red	Karneol	5[]
dark red	Cigánymeggy 7, Gerema, Nana	6[]
5.3 Fruit: color of flesh (38)		
yellowish	Pipacs 1	1[]
pink	Meteor, Pándy	2[]
medium red	Kántorjánosi 3, Karneol	3[]
dark red	Cigánymeggy 7, Fanal	4[]

TECHNICAL QUESTIONNAIRE	Page (x) of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.4 Fruit: color of juice (39)		
colorless	Montmorency	1[]
cream yellow	Pipacs 1	2[]
pink	Meteor, Pándy	3[]
medium red	Kántorjánosi 3, Karneol	4[]
dark red	Cigánymeggy 7, Fanal	5[]
5.5 Time of beginning of flowering (47)		
very early		1[]
early	Favorit, Meteor korai	3[]
medium	Cigánymeggy 7, Vowi	5[]
late	Gerema, Morellenfeuer	7[]
very late	Schattenmorelle	9[]
5.6 Time of beginning of fruit ripening (48)		
very early		1[]
early	Impératrice Eugénie, Meteor korai	3[]
medium	Érdi bőtermő, Favorit	5[]
late	Kántorjánosi 3, Pándy	7[]
very late	Schattenmorelle	9[]

TECHNICAL QUESTIONNAIRE	Page (x) of {y}	Reference Number:
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6. Similar varieties and differences from these varieties

Please use the following table and box for comments to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in 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>
Comments:			

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

Yes [] No []

(If yes, please provide details)

7.3 Other information

A representative color photograph of the variety should accompany the Technical Questionnaire.

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.

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:
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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 or pesticide) | Yes [] | No [] |
| (c) Tissue culture | Yes [] | No [] |
| (d) Other factors | Yes [] | No [] |

Please provide details of 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]