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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

DRAFT

ARGANIA *

UPOV Code(s): ARGAN_SPI

Argania spinosa (L.) Skeels

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

prepared by an expert from Morocco
to be considered by the
Technical Working Party for Fruit Crops
at its fifty-fifth session, to be held virtually
from 2024-06-03 to 2024-06-06

Disclaimer: this document does not represent UPOV policies or guidance

Alternative names:*

Botanical name	*English*	*French*	*German*	*Spanish*
Argania spinosa (L.) Skeels	Argania, Argantree, Goat-tree	Arganier, Bois de fer	Arganbaum	Argán

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 *Argania spinosa* (L.) Skeels.

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 bud sticks or trees.

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

5 one-year-old grafted trees or 10 bud sticks.

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

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

3. Method of Examination

3.1 Number of Growing Cycles

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

3.1.2 The two independent growing cycles may be observed from a single planting, examined in two separate growing cycles.

3.1.3 The growing cycle is considered to be the period ranging from the beginning of active vegetative growth or flowering, continuing through active vegetative growth or flowering and fruit development and concluding with the harvesting fruit.

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

3.1.5 The testing of a variety may be concluded when the competent authority can determine with certainty the outcome of the test.

3.2 Testing Place

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

3.3 Conditions for Conducting the Examination

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination.

3.3.2 The optimum stage of development for the assessment of each characteristic is indicated by a number in the Table of Characteristics. The stages of development denoted by each number are described in Chapter 8.

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 Additional Tests

Additional tests, for examining relevant characteristics, may be established.

4. Assessment of Distinctness, Uniformity and Stability

4.1 Distinctness

4.1.1 General Recommendations

It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding distinctness. However, the following points are provided for elaboration or emphasis in these Test Guidelines.

4.1.2 Consistent Differences

The differences observed between varieties may be so clear that more than one growing cycle is not necessary. In addition, in some circumstances, the influence of the environment is not such that more than a single growing cycle is required to provide assurance that the differences observed between varieties are sufficiently consistent. One means of ensuring that a difference in a characteristic, observed in a growing trial, is sufficiently consistent is to examine the characteristic in at least two independent growing cycles.

4.1.3 Clear Differences

Determining whether a difference between two varieties is clear depends on many factors, and should consider, in particular, the type of expression of the characteristic being examined, i.e. whether it is expressed in a qualitative, quantitative, or pseudo-qualitative manner. Therefore, it is important that users of these Test Guidelines are familiar with the recommendations contained in the General Introduction prior to making decisions regarding distinctness.

4.1.4 Number of Plants or Parts of Plants to be Examined

Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts of plants taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants.

4.1.5 Method of Observation

The recommended method of observing the characteristic for the purposes of distinctness is indicated by the following key in the Table of Characteristics (see document TGP/9 “Examining Distinctness”, Section 4 “Observation of characteristics”):

MG: single measurement of a group of plants or parts of plants
MS: measurement of a number of individual plants or parts of plants
VG: visual assessment by a single observation of a group of plants or parts of plants
VS: visual assessment by observation of individual plants or parts of plants

Type of observation: visual (V) or measurement (M)

"Visual" observation (V) is an observation made on the basis of the expert's judgment. For the purposes of this document, "visual" observation refers to the sensory observations of the experts and, therefore, also includes smell, taste and touch. Visual observation includes observations where the expert uses reference points (e.g. diagrams, example varieties, side-by-side comparison) or non-linear charts (e.g. color charts). Measurement (M) is an objective observation against a calibrated, linear scale e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.

Type of record: for a group of plants (G) or for single, individual plants (S)

For the purposes of distinctness, observations may be recorded as a single record for a group of plants or parts of plants (G), or may be recorded as records for a number of single, individual plants or parts of plants (S). In most cases, "G" provides a single record per variety and it is not possible or necessary to apply statistical methods in a plant-by-plant analysis for the assessment of distinctness.

In cases where more than one method of observing the characteristic is indicated in the Table of Characteristics (e.g. VG/MG), guidance on selecting an appropriate method is provided in document TGP/9, Section 4.2.

4.2 Uniformity

4.2.1 It is of particular importance for users of these Test Guidelines to consult the General Introduction prior to making decisions regarding uniformity. However, the following points are provided for elaboration or emphasis in these Test Guidelines:

4.2.2 These Test Guidelines have been developed for the examination of vegetatively propagated varieties. For varieties with other types of propagation, the recommendations in the General Introduction and document TGP/13 "Guidance for new types and species" Section 4.5 "Testing Uniformity" should be followed.

4.2.3 For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 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 further examined by testing a new seed or plant stock to ensure that it exhibits the same characteristics as those shown by the initial material supplied.

5. Grouping of Varieties and Organization of the Growing Trial

5.1 The selection of varieties of common knowledge to be grown in the trial with the candidate varieties and the way in which these varieties are divided into groups to facilitate the assessment of distinctness are aided by the use of grouping characteristics.

5.2 Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.

5.3 The following have been agreed as useful grouping characteristics:

(a) Tree: growth habit (characteristic 2)
(b) Shoot: attitude in relation to stem (characteristic 7)
(c) Leaf: shape (characteristic 9)
(d) Fruit: shape (characteristic 19)
(e) Stone: weight (characteristic 23)
(f) Stone: shape (characteristic 24)
(g) Leaf: length (characteristic 42)

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction and document TGP/9 “Examining Distinctness”.

6. Introduction to the Table of Characteristics

6.1 Categories of Characteristics

6.1.1 Standard Test Guidelines Characteristics

Standard Test Guidelines characteristics are those which are approved by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.

6.1.2 Asterisked Characteristics

Asterisked characteristics (denoted by *) are those included in the Test Guidelines which are important for the international harmonization of variety descriptions and should always be examined for DUS and included in the variety description by all members of the Union, except when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.

6.2 States of Expression and Corresponding Notes

6.2.1 States of expression are given for each characteristic to define the characteristic and to harmonize descriptions. Each state of expression is allocated a corresponding numerical note for ease of recording of data and for the production and exchange of the description.

6.2.2 All relevant states of expression are presented in the characteristic.

6.2.3 Further explanation of the presentation of states of expression and notes is provided in document TGP/7 “Development of Test Guidelines”.

6.3 Types of Expression

An explanation of the types of expression of characteristics (qualitative, quantitative and pseudo-qualitative) is provided in the General Introduction.

6.4 Example Varieties

Where appropriate, example varieties are provided to clarify the states of expression of each characteristic.

6.5 Legend

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1 **2**	**3** **4**	**5** **6**	**7**			
	Name of characteristics in English	**Nom du caractère en français**	**Name des Merkmals auf Deutsch**	**Nombre del carácter en español**		
	states of expression	types d'expression	Ausprägungsstufen	tipos de expresión		

1 Characteristic number

2 (*) Asterisked characteristic – see Chapter 6.1.2

3 Type of expression
QL Qualitative characteristic – see Chapter 6.3
QN Quantitative characteristic – see Chapter 6.3
PQ Pseudo-qualitative characteristic – see Chapter 6.3

4 Method of observation (and type of plot, if applicable)
MG, MS, VG, VS – see Chapter 4.1.5

5 (+) See Explanations on the Table of Characteristics in Chapter 8.2

6 (a)-(f) See Explanations on the Table of Characteristics in Chapter 8.1

7 Not applicable

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

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	**(*)**	**QN VG**	**(+)**				
		Tree: vigor					
		weak					3
		medium				Badr	5
		strong				Inargane	7
2.	**(*)**	**QN VG**	**(+)**				
		Tree: growth habit					
		upright				Inargane	1
		spreading					2
		drooping				Yargana	3
3.		**QN VG**	**(+)**				
		Tree: canopy density					
		sparse					1
		medium				Badr	2
		dense				Inargane, Yargana	3
4.		**QL VG**					
		Shoot: apical dominance					
		absent				Badr, Inargane	1
		present				Yargana	9
5.		**QN VG**					
		Shoot: density of spines					
		sparse					1
		medium				Badr, Yargana	2
		dense				Inargane	3
6.	**(*)**	**QN VG**					
		Shoot: length of internode					
		short				Badr, Inargane	3
		medium				Yargana	5
		long					7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
7.	**(*)**	**QN MG**	**(+)**				
		Shoot: attitude in relation to stem					
		upwards				Badr, Yargana	1
		outwards				Inargane	2
		downwards					3
8.		**QN VG**	**(a)**				
		Leaf blade:intensity of green color of upper side					
		light				Badr	1
		medium				Inargane, Yargana	2
		dark					3
9.	**(*)**	**PQ VG**	**(+) (a)**				
		Leaf: shape					
		narrow elliptic				Badr, Inargane	1
		broad elliptic					2
		narrow obovate					3
		broad obovate					4
10	**(*)**	**PQ VG**	**(+) (a)**				
		Leaf blade: shape of apex					
		acute				Inargane, Yargana	1
		obtuse				Badr	2
		rounded					3
11	**(*)**	**PQ VG**	**(+) (a)**				
		Leaf blade: shape of base					
		attenuate					1
		acute					2
		obtuse				Badr, Inargane, Yargana	3
12	**(*)**	**QN MG/VG**	**(a)**				
		Leaf blade: length					
		short					1
		medium				Badr, Inargane, Yargana	2
		long					3

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
13	**(*)**	**QN MG/VG**	**(a)**				
		Leaf blade: width					
		narrow				Inargane	1
		medium				Badr, Yargana	2
		broad					3
14	**(*)**	**QN MG/VG**	**(a)**				
		Leaf blade: ratio length/width					
		low					1
		medium				Badr, Yargana	3
		high				Inargane	5
15		**QN MG/VG**	**(a)**				
		Petiole: length					
		short					1
		medium				Badr, Inargane, Yargana	2
		long					3
16		**QL VG**	**(+)**	**(b)**			
		Inflorescence location					
		in leaf axils					1
		on branches					2
		in leaf axils and on branches				Badr, Inargane, Yargana	3
17		**PQ VG**	**(b)**				
		Petal: color					
		white					1
		light yellow				Badr, Inargane, Yargana	2
		yellow					3
18		**PQ VG**	**(d)**				
		Fruit: color at maturity					
		light brown					1
		medium brown				Badr	2
		dark brown				Inargane, Yargana	3
		black					4

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
19	**(*)**	**PQ VG**	**(+) (d)**				
		Fruit: shape					
		ovate				Inargane, Yargana	1
		elliptic				Badr	2
		circular					3
		fusiform					4
20		**QN MG/VG**	**(d)**				
		Fruit: length					
		short					1
		medium				Yargana	3
		long				Badr, Inargane	5
21		**QN MS/VS**	**(d)**				
		Fruit: width					
		narrow					1
		medium				Badr, Inargane, Yargana	3
		broad					5
22		**QN MS**	**(d)**				
		Fruit: ratio length/width					
		low					1
		medium				Yargana	3
		high				Badr, Inargane	5
23	**(*)**	**QN MG**	**(e)**				
		Stone: weight					
		low					1
		medium					3
		high				Badr, Inargane, Yargana	5
24	**(*)**	**PQ VG**	**(+) (e)**				
		Stone: shape					
		rounded				Inargane	1
		board elliptic				Badr	2
		narrow elliptic				Yargana	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25	**QN MS**	**(e)**				
	Stone: length					
	short					1
	medium				Inargane	3
	long				Yargana	5
26	**QN MS**	**(e)**				
	Stone: width					
	narrow					1
	medium				Inargane	3
	broad					5
27	**QN MS**	**(e)**				
	Stone: ratio length/width					
	low					1
	medium				Inargane	3
	high				Badr	5
28	**QN VG**	**(e)**				
	Stone: shell: thickness					
	thin					1
	medium					2
	thick				Yargana	3
29	**QN MS**	**(e)**				
	Stone: number of almond lodges					
	one				Yargana	1
	two				Badr	2
	three				Inargane	3
30	**QN VG**	**(e)**				
	Stone: resistance to cracking					
	weak					1
	medium				Yargana	2
	strong				Inargane	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
31	**QN** **MS**	**(f)**				
	Kernel: weight					
	low					1
	medium				Badr, Inargane	3
	high				Yargana	5
32	**QN** **MS**	**(f)**				
	Kernel: length					
	short					1
	medium				Inargane	3
	long				Yargana	5
33	**QN** **MS**	**(f)**				
	Kernel: width					
	narrow					1
	medium				Badr	3
	broad					5
34	**QN** **MS**	**(f)**				
	Kernel: ratio length/width					
	low					1
	medium				Inargane	3
	high				Yargana	5
35	**PQ** **VG**	**(f)**				
	Kernel: shape					
	oblong					1
	ovoid					2
	ellipsoid				Badr	3
36	**QN** **MG/MS**	**(f)**				
	Kernel: number					
	one				Yargana	1
	two				Badr	2
	three				Inargane	3
	more than 3					4

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
37		**PQ VG**	**(f)**				
		Kernel: color					
		white					1
		light yellow				Inargane	2
		dark yellow					3
38		**QN MG/MS**	**(f)**				
		Kernel: oil content					
		low				Yargana	1
		medium				Badr	2
		high					3
39		**QN MG/MS**	**(f)**				
		Kernel: ratio kernel weight / stone weight					
		low				Yargana	3
		medium					5
		high					7
40		**QN VG**	**(+)**				
		Flower: time of beginning of flowering					
		early				Badr	3
		medium				Yargana	5
		late					7
41		**QL MG**	**(+)**				
		Plant: self-incompatibility					
		absent					1
		present					9
42	**(*)**	**QN MG**					
		Leaf: length					
		very short					1
		short					2
		medium					3
		long					4
		very long					5

8. Explanations on the Table of Characteristics

8.1 Explanations covering several characteristics

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

(a) Observations should be made on fully developed leaves from the central part of one-year-old shoots in full growth.

(b) Observations should be made on inflorescences from the central part of fruiting branches.

(c) Observations should be made on the second or subsequent flowers, at the start of anther dehiscence.

(d) Observations should be made when 80% of the fruit on the tree has colored.

(e) Observations should be made on dry well-cleaned stones of the same sample used for the observations on the fruit.

(f) Observation on kernel should be made after crushing nuts.

Image of tools used in crushing nuts

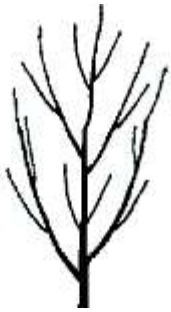
8.2 Explanations for individual characteristics

Ad. 1: Tree: vigor

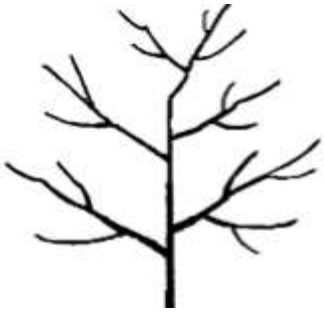
The tree vigor should be considered as the overall abundance of vegetative growth which includes the development of the canopy in both height and volume.

Ad. 2: Tree: growth habit

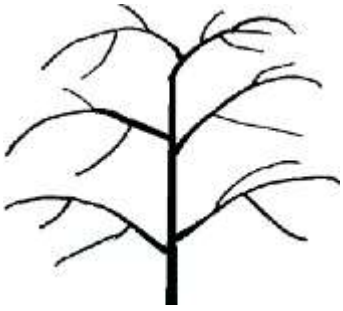
The tree growth habit states the natural attitude of the branches and shoots.



1
upright



2
spreading



3
drooping

Ad. 3: Tree: canopy density

The canopy density refers to the overall abundance of canopy vegetation. The following measures should be taken into account, length of internodes, number and vigor of the shoots and the size of the leaves.

1
sparse

2
medium

3
dense

Ad. 7: Shoot: attitude in relation to stem

Observations should be made on 5 fruiting branches of each tree.

1
upwards

2
outwards

3
downwards

Ad. 9: Leaf: shape

See Ad. 9

1
narrow elliptic

2
broad elliptic

3
narrow obovate

4
broad obovate

Ad. 10: Leaf blade: shape of apex

1
acute

2
obtuse

3
rounded

Ad. 11: Leaf blade: shape of base

1
attenuate

2
acute

3
obtuse

Ad. 16: Inflorescence location

1
on leaves axils

2
on the branches

3
on leaves axils and on the braches

Ad. 19: Fruit: shape

1
circular

2
elliptic

3
ovate

4
fusiform

Ad. 24: Stone: shape

1
rounded

2
elliptic

3
fusiform

Ad. 40: Flower: time of beginning of flowering

The beginning of flowering is when 10% of flowers have fully opened.

Ad. 41: Plant: self-incompatibility

A variety is self-incompatible when the fertile pollen of its own flower or of other flowers of the same variety is not able to fertilize the ovary.

9. Literature

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	*Argania spinosa* (L.) Skeels
1.2	Common name	Argania, Argantree, Goat-tree

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:

#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 variety)

(……..……..…) x (……..……..…)

female parent male parent

(b) partially known cross [ ]

(please state known parent variety(ies))

(……..……..…) x (……..……..…)

female parent male parent

(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)

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:

4.2 Method of propagating the variety

4.2.1 Vegetative propagation

(a) Cuttings [ ]
(b) *In vitro* propagation [ ]
(c) Budding or grafting [ ]
(d) Other (state method) [ ]

4.2.2 Other [ ]
(Please provide details)

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).

	Characteristics	Example Varieties	Note
5.1 (1)	**Tree: vigor**		
	very weak		1 [ ]
	very weak to weak		2 [ ]
	weak		3 [ ]
	weak to medium		4 [ ]
	medium	Badr	5 [ ]
	medium to strong		6 [ ]
	strong	Inargane	7 [ ]
	strong to very strong		8 [ ]
	very strong		9 [ ]
5.2 (2)	**Tree: growth habit**		
	upright	Inargane	1 [ ]
	spreading		2 [ ]
	drooping	Yargana	3 [ ]
5.3 (7)	**Shoot: attitude in relation to stem**		
	upwards	Badr, Yargana	1 [ ]
	outwards	Inargane	2 [ ]
	downwards		3 [ ]
5.4 (19)	**Fruit: shape**		
	ovate	Inargane, Yargana	1 [ ]
	elliptic	Badr	2 [ ]
	circular		3 [ ]
	fusiform		4 [ ]
5.5 (23)	**Stone: weight**		
	low		1 [ ]
	low to medium		2 [ ]
	medium		3 [ ]
	medium to high		4 [ ]
	high	Badr, Inargane, Yargana	5 [ ]
5.6 (24)	**Stone: shape**		
	rounded	Inargane	1 [ ]
	board elliptic	Badr	2 [ ]
	narrow elliptic	Yargana	3 [ ]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:

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
Example	*Fruit: size*	*medium*	*large*

Comments:

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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 displaying its main distinguishing feature(s), should accompany the Technical Questionnaire. The photograph will provide a visual illustration of the candidate variety which supplements the information provided in the Technical Questionnaire.

The key points to consider when taking a photograph of the candidate variety are:

- Indication of the date and geographic location
- Correct labeling (breeder's reference)
- Good quality printed photograph (minimum 10 cm x 15 cm) and/or sufficient resolution electronic format version (minimum 960 x 1280 pixels)"

Further guidance on providing photographs with the Technical Questionnaire is available in document TGP/7 "Development of Test Guidelines", Guidance Note 35 (http://www.upov.int/tgp/en/).

[The link provided may be deleted by members of the Union when developing authorities' own test guidelines.]

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

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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. Information on plant material to be examined or submitted for examination

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

(a)	Microorganisms (e.g. virus, bacteria, phytoplasma)	Yes [ ]	No [ ]
(b)	Chemical treatment (e.g. growth retardant, pesticide)	Yes [ ]	No [ ]
(c)	Tissue culture	Yes [ ]	No [ ]
(d)	Other factors	Yes [ ]	No [ ]

Please provide details for where you have indicated “yes”.

.....

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

Applicant’s name

Signature Date

[End of document]