

UPOV

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

DRAFT

MARIGOLD

UPOV Code: TAGET

(Tagetes L.)

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

*prepared by experts from Mexico and France**to be considered by the**Technical Working Party for Ornamental Plants and Forest Trees at its thirty-ninth session,
to be held in Fortaleza, Ceará State, Brazil, from August 28 to September 1, 2006*

Alternative Names: *

<i>Botanical name</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Tagetes L.</i>	Marigold	Tagète, Oeillet d'Inde, Rose d'Inde	Studentenblume	Clavel de las indias, Clavelon, Cempoalxóchitl

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 *Tagetes* L. of the family *Asteraceae* (*Compositae*).

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 seeds or rooted cuttings.

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

seed-propagated varieties: 3 grams of seed
vegetatively propagated varieties: 25 rooted cuttings.

In the case of seed, the seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority. In cases where the seed is to be stored, the germination capacity should be as high as possible and should, be stated by the applicant.

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 a single growing cycle.

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. In particular, unless otherwise indicated, all observations should be made at the time of full flowering.

3.3.2 Because daylight varies, color determinations made against a color chart should be made either in a suitable cabinet providing artificial daylight or in the middle of the day in a room without direct sunlight. The spectral distribution of the illuminant for artificial daylight should conform with the CIE Standard of Preferred Daylight D 6500 and should fall within the tolerances set out in the British Standard 950, Part I. These determinations should be made with the plant part placed against a white background.

3.4 *Test Design*

3.4.1 In the case of seed-propagated varieties, each test should be designed to result in a total of at least 60 plants.

3.4.2 In the case of vegetatively propagated varieties, each test should be designed to result in a total of at least 20 plants.

3.4.3 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 observation which must be made up to the end of the growing cycle.

3.5 *Number of Plants / Parts of Plants to be Examined*

3.5.1 For seed-propagated varieties, unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observations made on all plants in the test.

3.5.2 For vegetatively propagated varieties, unless otherwise indicated, all observations on single plants should be made on 10 plants or parts taken from each of 10 plants and any other observations made on all plants in the test.

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 The assessment of uniformity for seed-propagated varieties, should be according to recommendations for cross-pollinated and hybrid varieties as appropriate, in the General Introduction.

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 10 plants, 1 off-type is 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 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 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) Plant: height (characteristic 3)
- (b) Leaf: type (characteristic 8)
- (c) Leaf: intensity of green color (characteristic 11)
- (d) Flower head: floret type (characteristic 15)
- (e) Only varieties with one flower head color: Flower head: color (characteristic 25)
with the following groups:

cream
light yellow
dark yellow
light orange
medium orange
red
brown

- (f) Only varieties with two ligulate floret colors: Ligulate floret: main color (characteristic 27) with the following groups:

cream
light yellow
dark yellow
light orange
medium orange
red
brown

- (g) Only varieties with two tubulate/tubuligulate floret colors: Tubulate/tubuligulate floret: main color (characteristic 32) with the following groups:

cream
light yellow
dark yellow
light orange
medium orange
red
brown

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

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

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






	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	Hypocotyl: anthocyanin coloration					
QL	absent					1
	present					9
2.	Plant: fragrance					
QL	absent				Hawaii	1
	present				Cupidon Double	9
3. (*)	Plant: height					
QN	very short				Cupidon, Golden Boy	1
	short				Mistral, Spry	3
	medium				Golden Jubilee, Monsieur Majestic	5
	tall				Jaune Supreme, Sourire	7
	very tall				Lemon Queen, Orange Prince	9
4. (*) (+)	Plant: habit					
QN	upright				Puebla	1
	semi upright				Nueva	3
	spreading				Tepeaca	5
5. (*)	Plant: branching					
QN	absent or weak				Morelos	1
	medium				Chapingo	2
	strong				Oriental	3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6. (*)	Stem: anthocyanin coloration					
QL	absent				Hidalgo	1
	present				Tlalámá	9
7.	Stem: intensity of anthocyanin coloration					
QN	weak				Tepoztlán	3
	medium				Chapingo	5
	strong				Itarichen	7
8. (*) (+)	Leaf: type					
QL	simple				Morelos	1
	pinnate				Tepoztlán	2
9. (*) (+)	Leaf: length					
QN	short				Tajín	3
	medium				Teziutlán	5
	long				Carmen	7
10. (*) (+)	Leaf: width					
QN	narrow				Ninín	3
	medium				Zongolica	5
	broad				Cuernavaca	7
11. (*)	Leaf: intensity of green color					
QN	light				Fework Jaune	3
	medium				Sendero	5
	dark				Bonanza Gelb	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
12.	Only varieties with pinnate leaf type: Terminal leaflet: width					
QN	narrow				Yei	3
	medium				Macuilli	5
	broad				Chicome	7
13.	Leaf margin: depth of indentations (terminal leaflet for pinnate leaves)					
QN	shallow				Tezontla	3
	medium				Tepetlaoxtoc	5
	deep				Tláloc	7
14.	Flower head: length of peduncle on terminal flower head					
QN	short				Tzapinco	3
	medium				Xochimilco	5
	long				Toluca	7
15.	Flower head: floret type					
(*)						
(+)	all tubulate				Mexicana I	1
QL	tubulate and ligulate				Bonanza, Little Hero Spry, Tecuanulco	2
	tubuligulate and ligulate				Ecatzingo, Spry	3
	all tubuligulate				Lemon Queen, Orange Prim	4
	all ligulate				Tzapinco	5

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16. (*)	Flower head: diameter					
QN	very small				Ornament, Tangerine Gem	1
	small				Disco Orange	3
	medium				Aurora Orange, Bonanza Orange	5
	large				Queen Bee	7
	very large				Red Seven Star	9
17. (*)	Flower head: number of ligulate floret whorls					
QN	none	■	■	■	Mexicana I	1
	very few				Disco Orange, Monsieur Majestic	3
	few				Guerrero	5
	medium				Tlaxcala	7
	many				Celaya	9
18	Ligulate floret: shape	■	■	■	■	■
PQ	flat	■	■	■	Teo	1
	intermediate	■	■	■	■	2
	trumpet	■	■	■	Tlalocan	3
19. (*)	Ligulate floret: incision of margin					
(+)	absent				Teotihuacan	1
QL	present				Acuexcomac	9

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
20. (*)	Ligulate floret: depth of incision of margin					
QN	very shallow				Cardenal	1
	shallow				Carmen	3
	medium				Conzuelo	5
	deep				Conde	7
	very deep				Clara	9
21.	Only varieties with incision of margin absent: Ligulate floret: shape of apex					
QL	rounded				Comitan	1
	truncate				Huejutla	2
22. (*)	Outer ligulate floret: length					
QN	short				Mixe	3
	medium				Huave	5
	long				Seri	7
23. (*)	Outer ligulate floret: width					
QN	narrow				N'yu	3
	medium				Kut'a	5
	broad				Yohtó	7
24. (*)	Flower head: number of colors					
(+)	one				Tangerine Orange, Vanilla	1
QL	two				Bee, Monsieur Majestic	2

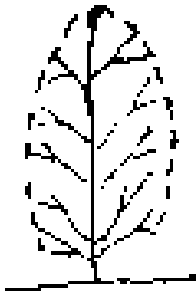
	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25. (*)	<u>Only varieties with one flower head color:</u> Flower head: color					
PQ	RHS Colour Chart (indicate reference number)					
26. (*) (+)	<u>Only varieties with two flower head colors:</u> Ligulate floret: number of colors					
QL	one				Tangerine Orange, Vanilla	1
	two				Bonanza Harmony, Granada	2
27. (*)	<u>Only varieties with two ligulate floret colors:</u> Ligulate floret: main color					
PQ	RHS Colour Chart (indicate reference number)					
28. (*)	<u>Only varieties with two ligulate floret colors:</u> Ligulate floret: secondary color					
PQ	cream					1
	light yellow					2
	dark yellow				San Pablo	3
	light orange					4
	medium orange					5
	red				Santa María	6
	brown					7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
29.	<u>Only varieties with two ligulate floret</u>					
(+)	<u>color: Ligulate floret: distribution of color</u>					
PQ	type 1				España Red, Marietta	1
	type 2				Monsieur Majestic	2
	type 3				Sevilla Bicolour Rot Gelb	3
30.	<u>Only varieties with type 1 ligulate floret</u>					
(+)	<u>color distribution: Ligulate floret: size of central color zone</u>					
QN	very large				Aurora Jaune	1
	large				Granada, Sophia Yellow	3
	medium				Pascal	5
	small				Disco Flamme, Red Marietta	7
	very small				Scarlet Sophia	9
31.	<u>Only varieties with two flower head</u>					
(*)	<u>colors: Tubulate/tubuligulate floret: number of colors</u>					
(+)	one					1
QN	two					2
32.	<u>Only varieties with two tubulate/tubuligulate floret</u>					
(*)	<u>colors: Tubulate/tubuligulate floret: main color</u>					
PQ	RHS Colour Chart (indicate reference number)					

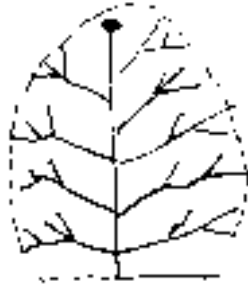
	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
33. (*)	<u>Only varieties with two tubulate/tubuligulate floret colors: Tubulate/tubuligulate floret: secondary color</u>					
PQ	RHS Colour Chart (indicate reference number)					
34. (*)	Time of beginning of flowering					
QN	early				Double Mistral, Hero Flamme	3
	medium				Aurora Fold, Cupidon Double	5
	late				Discovery Orange, Inca Yellow	7

8. Explanations on the Table of Characteristics

Ad. 4: Plant: habit



1
upright



2
semi-upright

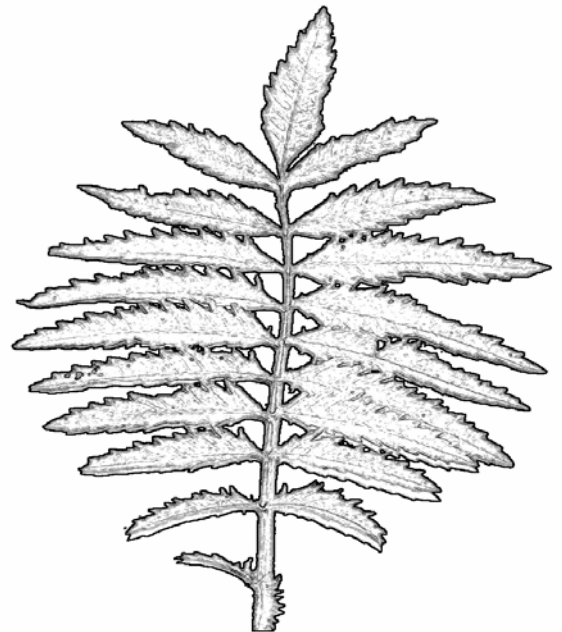


3
spreading

Ad. 8: Leaf: type



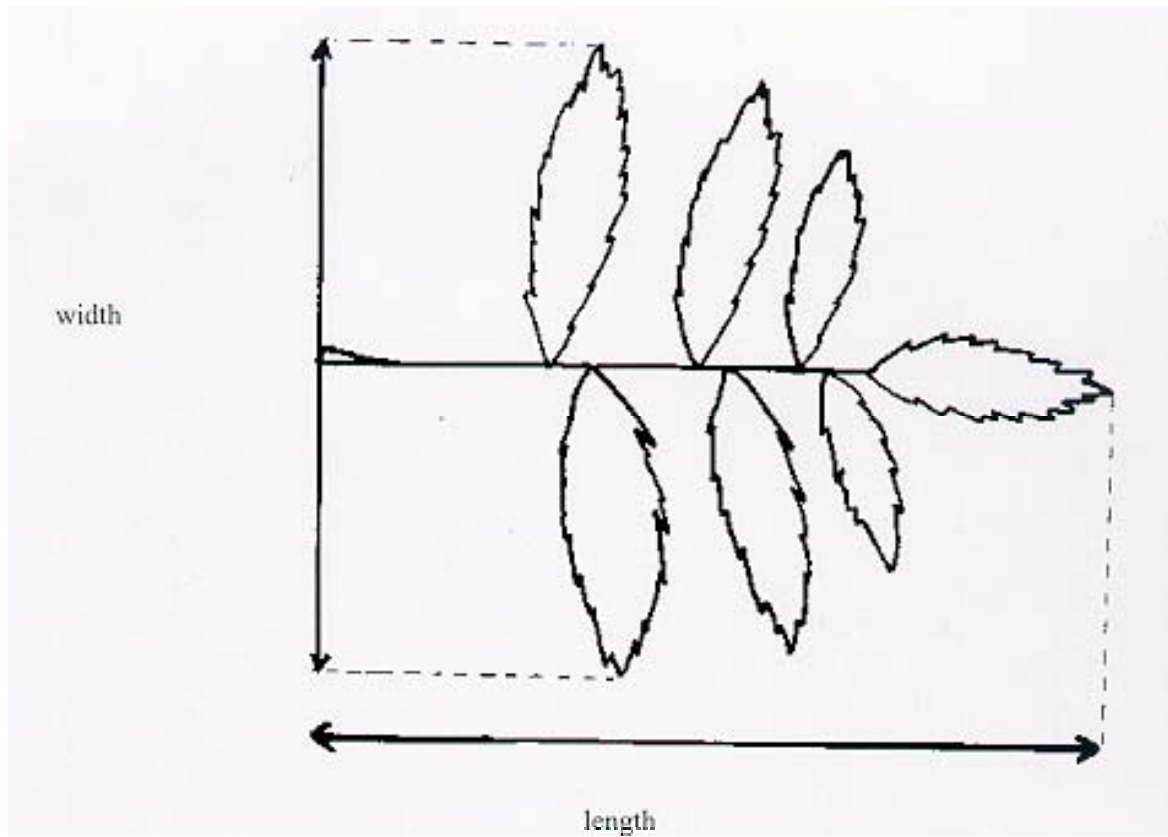
1
simple



2
pinnate

Ad. 9: Leaf: length

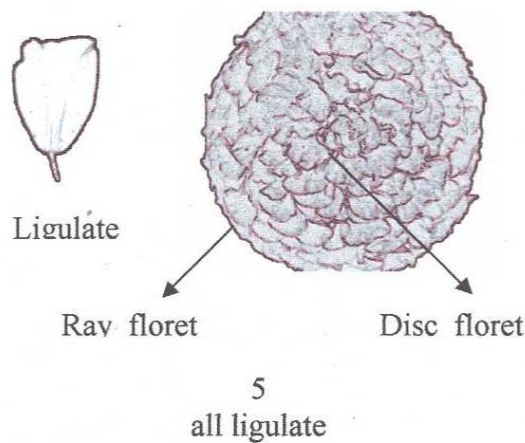
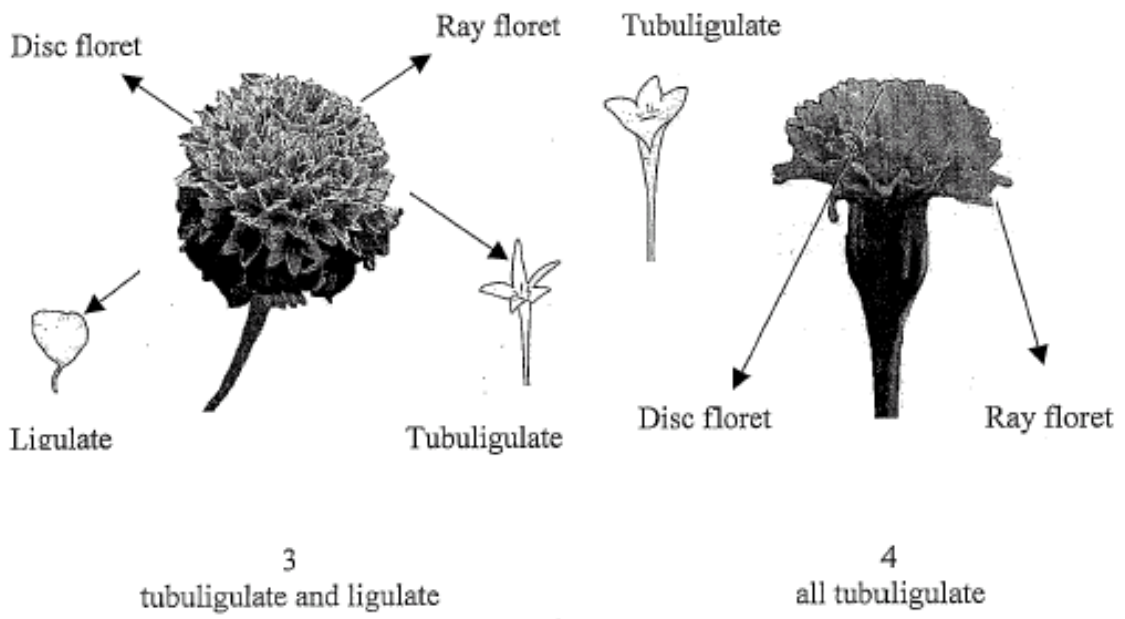
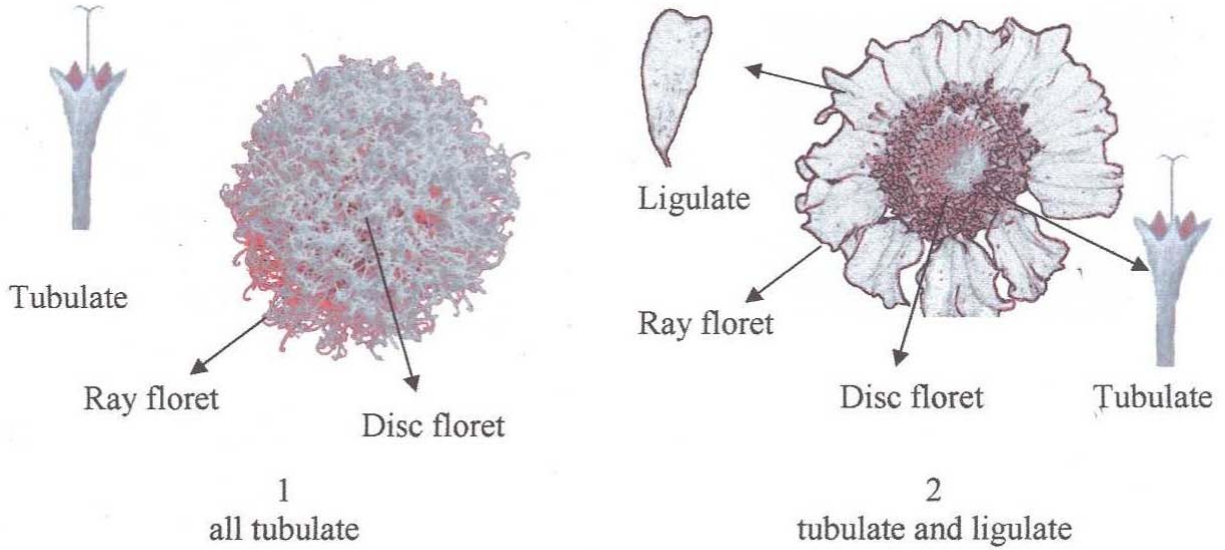
Ad. 10: Leaf: width



Observation should be done considering one leaf in the middle zone of the main stem on blooming time

Ad. 15: Flower head: floret type

The floret or individual floret can be ligulate, tubuligulate or tubulate and they can be inserted in the disc (central zone) or in the periphery (radial zone) of the flower head.



Ad. 19: Ligulate floret: incision of margin



1
absent



2
present

Ad. 24: Flower head: number of colors

A flower head is considered to have two colors if: 1) the disc florets are a different color from the ray florets; 2) the disc florets and the ray florets with same floret type are a different color; 3) the disc florets (tubulate or tubuligulate type) are a different color and the ray florets (ligulate type) are one of those colors; 4) the ray florets (ligulate type) are a different color and the disc florets (tubulate or tubuligulate type) are one of those colors



Case 1)



Case 2)



Case 3)



Case 4)

Ad. 26: Only varieties with two flower head colors : ligulate floret: number of colors

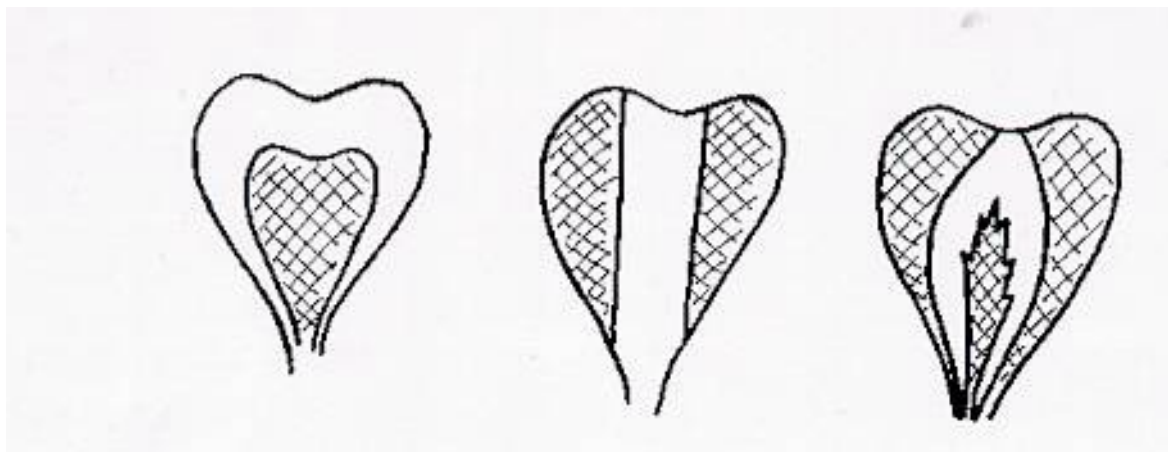


One



Two

Ad. 29: Only varieties with more than one ligulate floret color: Ligulate floret: distribution of color

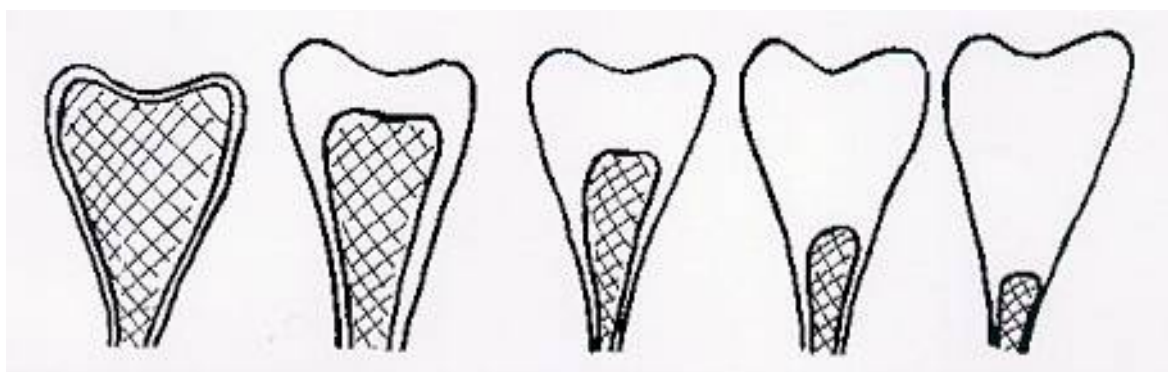


1
type 1

2
type 2

3
type 3

Ad. 30: Only varieties with type 1 ligulate floret color distribution: Ligulate floret: size of central color zone



1
very large

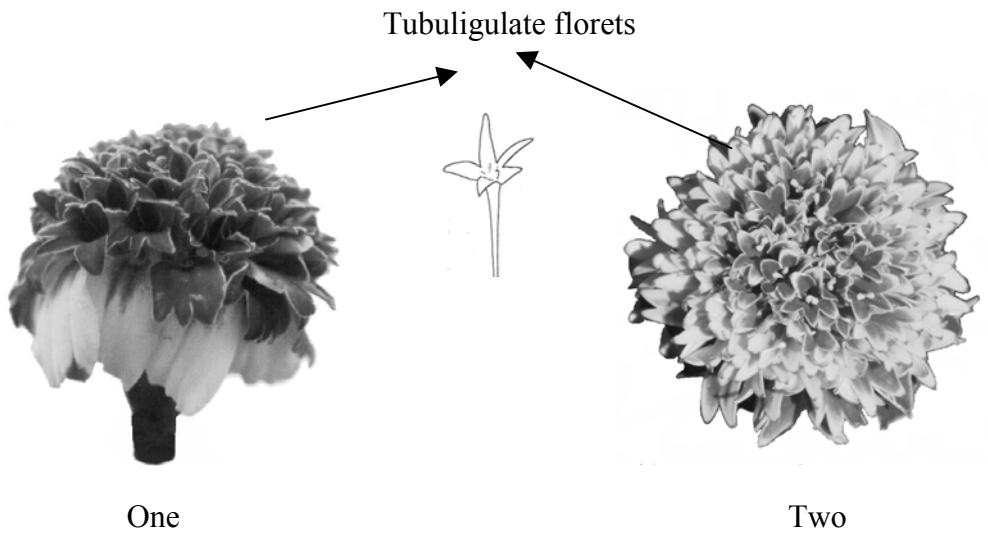
3
large

5
medium

7
small

9
very small

Ad. 31 Only varieties with two flower head colors: Tubulate/tubiligulate floret: number of colors



Literature

Neher, R.T. 1966. Monograph of the genus *Tagetes* (Compositae). Ph. D. Thesis, Indiana University. Bloomington, Indiana, USA, 306 p.

Serrato C., M. A. 1990. Contribución al conocimiento de las características florales del cempoalxóchitl (*Tagetes* sp.). Rev. Chapingo XV (71-72):151-155.

Serrato C., M. A. y A. Segura M. 1994. Variación fenotípica en progenies a partir de inflorescencias de *Tagetes erecta* L. Rev. Chapingo serie Horticultura 1:159-161.

Serrato C., M. A. 2006. Manual Gráfico para la Descripción Varietal de *Tagetes*. SNICS. México.

9. 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 Latin Name	<input type="text" value="Tagetes L."/>	
1.2 Common Name	<input type="text" value="Marigold"/>	
	Species (please complete)	
	<input type="text"/>	
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:
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)	[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
<p>4.2 Method of propagating the variety</p> <p>4.2.1 Seed-propagated varieties</p> <p style="margin-left: 40px;">(a) Self-pollination []</p> <p style="margin-left: 40px;">(b) Cross-pollination</p> <p style="margin-left: 40px;">(c) Hybrid []</p> <p style="margin-left: 40px;">(d) Other [] (please provide details)</p> <p>4.2.2 Vegetatively propagated varieties</p> <p style="margin-left: 40px;">(a) cuttings []</p> <p style="margin-left: 40px;">(b) <i>in vitro</i> propagation []</p> <p style="margin-left: 40px;">(c) other (state method) []</p> <p>4.2.3 Other [] (please provide details)</p>		
<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 Plant: height (3)</p> <p style="margin-left: 40px;">very short</p> <p style="margin-left: 40px;">short</p> <p style="margin-left: 40px;">medium</p> <p style="margin-left: 40px;">tall</p> <p style="margin-left: 40px;">very tall</p>	<p style="margin-left: 40px;">Cupidon, Golden Boy</p> <p style="margin-left: 40px;">Mistral, Spry</p> <p style="margin-left: 40px;">Golden Jubilee, Monsieur Majestic</p> <p style="margin-left: 40px;">Jaune Supreme, Sourire</p> <p style="margin-left: 40px;">Lemon Queen, Orange Prince</p>	<p style="margin-left: 40px;">1[]</p> <p style="margin-left: 40px;">3[]</p> <p style="margin-left: 40px;">5[]</p> <p style="margin-left: 40px;">7[]</p> <p style="margin-left: 40px;">9[]</p>

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics		Example Varieties	Note
5.2	Leaf: type		
(8)			
	simple	Morelos	1[]
	pinnate	Tepoztlán	2[]
5.3	Leaf: intensity of green color		
(11)			
	light	Fework Jaune	3[]
	medium	Chapingo	5[]
	dark	Bonanza Gelb	7[]
5.4	Flower head: floret type		
(15)			
	all tubulate	Mexicana I	1[]
	tubulate and ligulate	Bonanza, Little Hero Spry, Tecuanulco	2[]
	tubuligulate and ligulate	Ecatzingo, Spry	3[]
	all tubuligulate	Lemon Queen, Orange Prim	4[]
	all ligulate	Tzapinco	5[]
5.5(i)	<u>Only varieties with one flower head color:</u> Flower head: color		
(25)			
	RHS Color Chart (indicate reference number)		
		
5.5(ii)	<u>Only varieties with one flower head color:</u> Flower head: color		
(25)			
	cream	Vanilla, Blanca	1[]
	light yellow	Bonanza Gelb	2[]
	dark yellow	Excel Gelb	3[]
	light orange	Inca Orange	4[]
	medium orange	Tangerine Orange	5[]
	red	Tequexquináhuac	6[]
	brown		7[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
Characteristics	Example Varieties	Note	
<p>5.6 <u>Only varieties with two flower head colors: Ligulate floret: main color</u> (27)</p> <p>RHS Color Chart (indicate reference number)</p> <p>.....</p>			
<p>5.7 <u>Only varieties with two flower head colors: Tubulate/tubuligulate floret: main color</u> (32)</p> <p>RHS Color Chart (indicate reference number)</p> <p>.....</p>			

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:																															
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<hr/>		
#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 Use		
(a) cut flower []		
(b) pot plant []		
(c) bedding plant []		
(d) industrial []		
(please provide details)		
.....		
(e) other []		
(please provide details)		
.....		
7.4 Other information		
A representative color photograph of the variety should accompany the Technical Questionnaire.		

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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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]