E

TG/222/1
ORIGINAL: English
DATE: 2005-04-06

UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

ARGYRANTHEMUM *

UPOV Code: ARGYR_FRU

Argyranthemum frutescens (L.) Sch. Bip.

GUIDELINES

FOR THE CONDUCT OF TESTS

FOR DISTINCTNESS, UNIFORMITY AND STABILITY

Alternative Names:*

Botanical name	*English*	*French*	*German*	*Spanish*
Argyranthemum frutescens (L.) Sch. Bip. *Chrysanthemum frutescens* L.	Argyranthemum, Paris Daisy, White Marguerite	Anthémis	Strauchmargerite	Margarita

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.]

TABLE OF CONTENTS PAGE

1. Subject of these Test Guidelines

These Test Guidelines apply to all varieties of *Argyranthemum frutescens* (L.) Sch. Bip. of the family *Asteraceae*.

2. Material Required

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

2.2 The material is to be supplied in the form of rooted cuttings.

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

20 rooted cuttings

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

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

3. Method of Examination

3.1 Number of Growing Cycles

The minimum duration of tests should normally be 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.

3.3.2 Stage of development for the assessment

The optimum stage of development for the assessment of the characteristics is at the time of full flowering.

3.3.3 Type of observation

The recommended method of observing the characteristic is indicated by the following key in the second column of the Table of Characteristics:

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.

3.3.4 Observation of color by eye

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 Each test should be designed to result in a total of at least 16 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 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 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 16 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 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) Flower head: type (characteristic 12)
(b) Flower head: diameter (characteristic 13)
(c) Ray floret: main color of upper side (characteristic 19) with the following groups:
Gr. 1: white
Gr. 2: yellow
Gr. 3: pink
Gr. 4: red
Gr. 5: purple
Gr. 6: violet
Gr. 7: blue

5.4 Guidance for the use of grouping characteristics, in the process of examining distinctness, is provided through the General Introduction.

6. Introduction to the Table of Characteristics

6.1 Categories of Characteristics

6.1.1 Standard Test Guidelines Characteristics

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

6.1.2 Asterisked Characteristics

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

6.2 States of Expression and Corresponding Notes

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

6.3 Types of Expression

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

6.4 Example Varieties

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

6.5 Legend

(*) Asterisked characteristic – see Chapter 6.1.2

QL: Qualitative characteristic – see Chapter 6.3
QN: Quantitative characteristic – see Chapter 6.3
PQ: Pseudo-Qualitative characteristic – see Chapter 6.3

(a), (b) See Explanations on the Table of Characteristics in Chapter 8.1
(+) See Explanations on the Table of Characteristics in Chapter 8.2

MS: measurement of a number of individual plants or parts of plants- see Chapter 3.3.3
VG: visual assessment by a single observation of a group of plants or parts of plants - see Chapter 3.3.3

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

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
1.	**VG**	**Plant: growth habit**	**Plante: port**	**Pflanze: Wuchsform**	**Planta: porte**		
PQ		upright	dressé	aufrecht	erecto	Polly Anna	1
		rounded	arrondi	rundlich	redondeado	Carmella	2
		spreading	étalé	breitwüchsig	rastrero	Surprise Party	3
2. **(*)**	**MS** **VG**	**Plant: height**	**Plante: hauteur**	**Pflanze: Höhe**	**Planta: altura**		
QN		very short	très basse	sehr niedrig	muy baja	Eleonora	1
		short	basse	niedrig	baja	Supaglow	3
		medium	moyenne	mittel	media	Supadawn	5
		tall	haute	hoch	alta	Argyraketis	7
		very tall	très haute	sehr hoch	muy alta	Supalight	9
3.	**VG**	**Plant: density**	**Plante: densité**	**Pflanze: Dichte**	**Planta: densidad**		
QN		sparse	faible	locker	laxa	Petite Pink	3
		medium	moyenne	mittel	media	Supaglow	5
		dense	dense	dicht	densa	Summer Melody	7
4.	**VG**	**Stem: anthocyanin coloration**	**Tige: pigmentation anthocyanique**	**Trieb: Anthocyanfärbung**	**Tallo: pigmentación antociánica**		
QL		absent	absente	fehlend	ausente	Argyraketis	1
		present	présente	vorhanden	presente	Izu-magu 85	9
5. **(*)**	**MS** **VG**	**Leaf: length**	**Feuille: longueur**	**Blatt: Länge**	**Hoja: longitud**		
QN	**(a)**	very short	très courte	sehr kurz	muy corta	Sumfrut01	1
		short	courte	kurz	corta	Ella	3
		medium	moyenne	mittel	media	Petite Pink	5
		long	longue	lang	larga	Summer Pink	7
		very long	très longue	sehr lang	muy larga	Supasurprise	9

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6. (*)	**MS VG**	**Leaf: width**	**Feuille: largeur**	**Blatt: Breite**	**Hoja: anchura**		
QN	**(a)**	very narrow	très étroite	sehr schmal	muy estrecha	Sumfrut01	1
		narrow	étroite	schmal	estrecha	Ella	3
		medium	moyenne	mittel	media	Argyraketis	5
		broad	large	breit	ancha	Petite Pink	7
7. (*)	**VG**	**Leaf: color of upper side**	**Feuille: couleur de la face supérieure**	**Blatt: Farbe der Oberseite**	**Hoja: color del haz**		
PQ		light green	vert clair	hellgrün	verde claro	Supaellie	1
		medium green	vert moyen	mittelgrün	verde medio	Summer Melody	2
		dark green	vert foncé	dunkelgrün	verde oscuro		3
		blue green	bleu vert	blaugrün	verde azulado	Supacher	4
		grey green	gris vert	graugrün	verde grisáceo	Argyraketis	5
8.	**MS VG**	**Lateral lobe: length**	**Lobe latéral: longueur**	**Seitenlappen: Länge**	**Lóbulo lateral: longitud**		
QN	**(a)**	short	court	kurz	corta	Ella	3
	(b)	medium	moyen	mittel	media	Cobsing	5
		long	long	lang	larga	Supacher	7
9.	**MS VG**	**Lateral lobe: width**	**Lobe latéral: largeur**	**Seitenlappen: Breite**	**Lóbulo lateral: anchura**		
QN	**(a)**	narrow	étroit	schmal	estrecha	Petite Pink	3
	(b)	medium	moyen	mittel	media	Cobsing	5
		broad	large	breit	ancha	Supasurprise	7
10.	**VG**	**Lateral lobe: depth of marginal incisions**	**Lobe latéral: profondeur des découpures du bord**	**Seitenlappen: Tiefe der Randeinschnitte**	**Lóbulo lateral: profundidad de las incisiones del borde**		
QN	**(b)**	shallow	peu profondes	flach	poco profunda	Julie Anna	3
		medium	moyennes	mittel	media	Summer Pink	5
		deep	profondes	tief	profunda	Surprise Party	7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
11. (+)	**MS VG**	**Peduncle: length**	**Pédoncule: longueur**	**Blütenstiel: Länge**	**Pedúnculo: longitud**		
QN		short	court	kurz	corto	Abbey Belle	3
		medium	moyen	mittel	medio	Gretel	5
		long	long	lang	largo	Julie Anna	7
12. (*) (+)	**VG**	**Flower head: type**	**Capitule: type**	**Blütenstand: Typ**	**Capítulo: tipo**		
PQ		single	simple	einfach	sencillo	Argyraketis	1
		semi double	semi-double	halbgefüllt	semidoble	Supadream	2
		anemone like	à fleur d'anémone	anemonenförmig	tipo anémona	Supaglow	3
		double	double	gefüllt	doble	Summer Melody	4
		pompon	pompon	pompon	pompón	Rosetta	5
13. (*)	**MS VG**	**Flower head: diameter**	**Capitule: diamètre**	**Blütenstand: Durchmesser**	**Capítulo: diámetro**		
QN	**(c)**	very small	très petit	sehr klein	muy pequeño	Sumfrut01	1
		small	petit	klein	pequeño	Ella	3
		medium	moyen	mittel	medio	Cobsing	5
		large	grand	groß	grande	Supasurprise	7
		very large	très grand	sehr groß	muy grande	Tanja	9
14.	**VG**	**<u>Only non single flower head type varieties:</u> Flower head: number of ray florets**	**<u>Variétés autres que les variétés simples: capitule</u>: nombre de fleurs ligulées**	**<u>Nur Sorten ohne einfachen Blütenstand:</u> Blütenstand: Anzahl Zungenblüten**	**<u>Sólo variedades con capítulo que no sea sencillo</u>: Capítulo: número de flores liguladas**		
QN	**(c)**	few	faible	gering	bajo		3
		medium	moyen	mittel	medio	Summer Melody	5
		many	élevé	groß	alto	Sugar Button	7

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
15. **(+)**	**VG**	**Ray floret: curvature of longitudinal axis**	**Fleur ligulée: courbure de l'axe longitudinal**	**Zungenblüte: Biegung der Längsachse**	**Flor ligulada: curvatura del eje longitudinal**		
PQ	**(c)**	incurved	incurvé	aufgebogen	incurvado		1
		straight	droit	gerade	recto		2
		reflexed	réfléchi	zurückgebogen	recurvado		3
16. **(*)**	**MS** **VG**	**Ray floret: length**	**Fleur ligulée: longueur**	**Zungenblüte: Länge**	**Flor ligulada: longitud**		
QN	**(c)**	short	courte	kurz	corta	Ella	3
		medium	moyenne	mittel	media	Tesi	5
		long	longue	lang	larga	Supasurprise	7
17. **(*)**	**MS** **VG**	**Ray floret: width**	**Fleur ligulée: largeur**	**Zungenblüte: Breite**	**Flor ligulada: anchura**		
QN	**(c)**	narrow	étroite	schmal	estrecha	Ella	3
		medium	moyenne	mittel	media	Suparosa	5
		broad	large	breit	ancha	Summer Angel	7
18. **(*)**	**VG**	**Ray floret: number of colors**	**Fleur ligulée: nombre de couleurs**	**Zungenblüte: Anzahl Farben**	**Flor ligulada: número de colores**		
QL	**(c)**	one	une	eine	uno	Ella	1
		two	deux	zwei	dos		2
		more than two	plus de deux	mehr als zwei	más de dos		3
19. **(*)**	**VG**	**Ray floret: main color of upper side**	**Fleur ligulée: couleur principale de la face supérieure**	**Zungenblüte: Hauptfarbe der Oberseite**	**Flor ligulada: color principal de la cara superior**		
PQ	**(c)**	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
20. **(*)**	**VG**	**Ray floret: secondary color of upper side**	**Fleur ligulée: couleur secondaire de la face supérieure**	**Zungenblüte: Sekundärfarbe der Oberseite**	**Flor ligulada: color secundario de la cara superior**		
PQ	**(c)**	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		

		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
21.	**VG**	**Ray floret: main color of lower side**	**Fleur ligulée: couleur principale de la face inférieure**	**Zungenblüte: Hauptfarbe der Unterseite**	**Flor ligulada: color principal de la cara inferior**		
PQ	**(c)**	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
22. (*) (+)	**MS VG**	**Only varieties with flower head type: single; semi double; and anemone like: Disc: diameter**	**Variétés à capitule: simple, semi-double et à fleur d'anémone uniquement: disque: diamètre**	**Nur Sorten mit einfachem, halbgefüllten oder anemonenförmigen Blütenstand: Scheibe: Durchmesser**	**Sólo variedades con capítulo tipo: sencillo, semidoble y anémona: Disco: diámetro**		
QN	**(c)**	small	petit	klein	pequeño	Sugar Baby	3
		medium	moyen	mittel	medio	Gretel	5
		large	grand	groß	grande	Surprise Party	7
23. (*)	**VG**	**Only varieties with flower head type: single and semi double: Disc: main color**	**Variétés à capitule: simple et semi-double uniquement: disque: couleur principale**	**Nur Sorten mit einfachem und halbgefülltem Blütenstand: Scheibe: Hauptfarbe**	**Sólo variedades con capítulo tipo: sencillo y semidoble: Disco: color principal**		
PQ	**(c)**	white	blanc	weiß	blanco		1
		yellow	jaune	gelb	amarillo		2
		yellow orange	jaune orange	gelb orange	naranja amarillento		3
		red	rouge	rot	rojo		4
		yellow brown	jaune brun	gelb braun	marrón amarillento		5
		brown	brun	braun	marrón		6
24. (*)	**VG**	**Only varieties with anemone like flower head type: Disc floret: color**	**Variétés à capitule à fleur d'anémone uniquement: fleuron: couleur**	**Nur Sorten mit anemonenförmigem Blütenstand: Röhrenblüte: Farbe**	**Sólo variedades con capítulo tipo anémona: Flósculos del disco: color**		
PQ	**(c)**	RHS Colour Chart (indicate reference number)	Code de couleurs RHS (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		

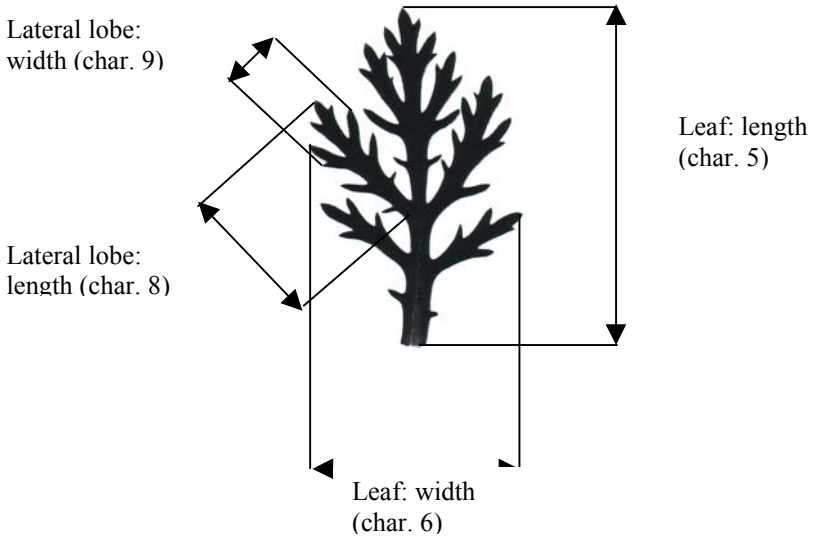
		English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25. (*) (+)	**VG**	**Time of beginning of flowering**	**Époque du début de la floraison**	**Zeitpunkt des Blühbeginns**	**Época de inicio de la floración**		
QN		early	précoce	früh	precoz		3
		medium	moyenne	mittel	intermedia		5
		late	tardive	spät	tardía		7

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) Leaf characteristics:



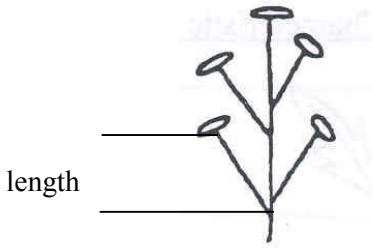
(b) All observations on the lateral lobe should be made on the longest lateral lobe of a fully grown leaf.

(c) Flower head type: single, semi double and anemone like: observations on the flower head should be made when the anthers in the outer 2-3 rows of the disc florets have dehisced.

Flower head type: double and pompon: observations on the flower head should be made where the flower head has fully expanded.

8.2 Explanations for individual characteristics

Ad. 11: Peduncle: length



Observations to made on the longest peduncle

Ad. 12: Flower head: type

1. single: flower heads with one row of ray florets, and a clearly defined central disc which is always visible.
2. semi double: flower heads with more than one row of ray florets, and a clearly defined central disc which is always visible.
3. anemone like: flower heads with one or more rows of ray florets, with a central "cushion" "(disc)" of petaloid disc florets, which is always visible and clearly defined.
4. double: double flower heads where a disc is not visible in the early stages of flowering, but can be seen as the flower head opens fully. The disc is not always clearly defined.
5. pompon: double flower heads where a disc is not visible at any stage of flowering.

1
single

2
semi double

3
anemone like

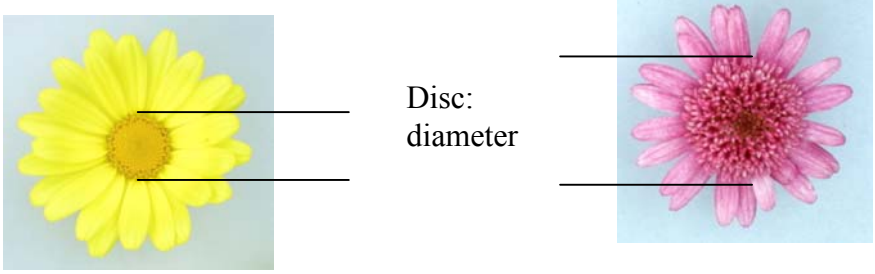
4
double

5
pompon

Ad. 15: Ray floret: curvature of longitudinal axis

1 incurved | 2 straight | 3 reflexed

Ad. 22: Only varieties with flower head type: single; semi double; and anemone like:
Disc: diameter



Ad. 25: Time of beginning of flowering

The time of beginning of flowering is when 50% of the plants have at least one flower fully open.

9. Literature

No specific 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	*Argyranthemum frutescens* (L.) Sch. Bip.
1.2	Common name	Argyranthemum

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 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) cuttings [ ]
(b) *in vitro* propagation [ ]
(c) other (state method) [ ]

4.2.2 Seed [ ]

4.2.3 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:

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 (2)	**Plant: height**		
	very short	Eleonora	1[ ]
	short	Supaglow	3[ ]
	medium	Supadawn	5[ ]
	tall	Argyraketis	7[ ]
	very tall	Supalight	9[ ]
5.2 (7)	**Leaf: color of upper side**		
	light green	Supaellie	1[ ]
	medium green	Summer Melody	2[ ]
	dark green		3[ ]
	blue green	Supacher	4[ ]
	grey green	Argyraketis	5[ ]
5.3 (12)	**Flower head: type**		
	single	Argyraketis	1[ ]
	semi double	Supadream	2[ ]
	anemone like	Supaglow	3[ ]
	double	Summer Melody	4[ ]
	pompon	Rosetta	5[ ]
	other (indicate type)		[ ]
	.....		

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

	Characteristics	Example Varieties	Note
5.4 (13)	**Flower head: diameter**		
	very small	Sumfrut01	1[ ]
	small	Ella	3[ ]
	medium	Cobsing	5[ ]
	large	Supasurprise	7[ ]
	very large	Tanja	9[ ]
5.5(i) (19)	**Ray floret: main color of upper side**		
	RHS Colour Chart (indicate reference number)		
	.....		
5.5(ii) (19)	**Ray floret: main color of upper side**		
	white		1[ ]
	yellow		2[ ]
	pink		3[ ]
	red		4[ ]
	purple		5[ ]
	violet		6[ ]
	blue		7[ ]
	other (indicate color)		
	.....		

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	*Ray floret: main color*	*white*	*pink*

[#]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.

[#] 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:

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 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]