



TG/205/1

ORIGINAL: English

DATE: April 9, 2003

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

**EVERLASTING DAISY,
STRAWFLOWER**

(Bracteantha Anderb.)

*

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

Alternative Names: *

<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Bracteantha</i> Anderb.	Everlasting Daisy, Strawflower	Immortelle à bractées	Gartenstrohlblume	Siempreviva, Perpetua

ASSOCIATED DOCUMENTS

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

* 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 *Bracteantha* Anderb. 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 non-budded rooted cuttings.

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

15 non-budded 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. It should preferably not be obtained from *in vitro* propagation. If it has been produced by *in vitro* propagation this must be declared.

3. Method of Examination

3.1 *Duration of Tests*

The minimum duration of tests should normally be a single growing cycle.

3.2 *Testing Place*

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

3.3 *Conditions for Conducting the Examination*

3.3.1 The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination. In particular, the observations should be made on three to six-month-old plants when one third of the disc florets have opened in the flower head.

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 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.

3.4.2 Each test should be designed to result in a total of at least 10 plants.

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

Unless otherwise indicated, all observations determined by measuring or counting should be made on 10 plants or parts taken from each of 10 plants.

3.6 *Additional Tests*

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

4. Assessment of Distinctness, Uniformity and Stability

4.1 *Distinctness*

4.1.1 General Recommendations

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

4.1.2 Consistent Differences

The minimum duration of tests recommended in section 3.1 reflects, in general, the need to ensure that any differences in a characteristic are sufficiently consistent.

4.1.3 Clear Differences

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

4.2 *Uniformity*

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

4.2.2 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 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 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) Plant: type (characteristic 1)
- (b) Leaf: variegation (characteristic 12)
- (c) Involucre: number of colors (characteristic 26)
- (d) Involucre: main color (characteristic 27)

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)-(c) 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. (*) (+)	Plant: type	Plante: type	Pflanze: Typ	Planta: tipo		
QL	basal clusters	en bouquets à la base	basale Büschel	racimos basales	Wanetta Gold	1
	bushy	buissonnant	buschig	arbustiva	Menindee Magic	2
2.	<u>Bushy types only:</u> Plant: growth habit	<u>Types buissonnant seulement:</u> Plante: type de croissance	<u>Nur buschige Typen:</u> Pflanze: Wuchsform	<u>Sólo tipos arbustivos:</u> Planta: porte		
PQ	upright	dressée	aufrecht	erecto	Menindee Magic	1
	semi-upright	semi-dressée	halbaufrecht	semierecto	Gold 'n' Bronze	2
	spreading	étalée	breitwüchsig	rastrero		3
3. (+)	Plant: height including flowers	Plante: hauteur, fleurs comprises	Pflanze: Höhe, einschließlich Blüten	Planta: altura, incluidas las flores		
QN	short	courte	niedrig	baja	Menindee Magic	3
	medium	moyenne	mittel	media		5
	tall	haute	hoch	alta	Wanetta Gold	7
4. (+)	Plant: height of foliage	Plante: hauteur du feuillage	Pflanze: Höhe des Laubes	Planta: altura del follaje		
QN	short	court	niedrig	bajo	Wanetta Gold, Menindee Magic	3
	medium	moyen	mittel	medio		5
	tall	haut	hoch	alto	Golden Wish	7
5.	Plant: density	Plante: densité	Pflanze: Dichte	Planta: densidad		
QN	sparse	faible	locker	laxa	Gold 'n' Bronze	3
	medium	moyenne	mittel	media	Colourburst Gold, Colourburst Pink	5
	dense	dense	dicht	densa	Sunraysia Splendour, Menindee Magic	7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6.	Stem: hairiness	Tige: pilosité	Stiel: Behaarung	Tallo: velloso		
QN	absent or weak	nulle ou faible	fehlend oder gering	ausente o débil		1
	medium	moyenne	mittel	media		2
	strong	forte	stark	fuerte		3
7. (a)	Leaf: length	Feuille: longueur	Blatt: Länge	Hoja: longitud		
(+)						
QN	very short	très courte	sehr kurz	muy corta		1
	short	courte	kurz	corta	Sweet Sensation	3
	medium	moyenne	mittel	media	Golden Wish	5
	long	longue	lang	larga	Yellow Gem	7
	very long	très longue	sehr lang	muy larga		9
8. (a)	Leaf: width	Feuille: largeur	Blatt: Breite	Hoja: anchura		
(+)						
QN	narrow	étroite	schmal	estrecha	Gold 'n' Bronze	3
	medium	moyenne	mittel	media	Sweet Sensation	5
	broad	large	breit	ancha	Yellow Gem	7
9. (a)	Leaf: ratio length/ width	Feuille: rapport longueur/largeur	Blatt: Verhältnis Länge/Breite	Hoja: relación longitud/anchura		
(+)						
QN	small	petit	klein	pequeña	Golden Wish	3
	medium	moyen	mittel	media	Yellow Gem	5
	large	élevé	groß	grande	Lemon Mist	7
10. (a)	Leaf: position of broadest part	Feuille: position de la partie la plus large	Blatt: Position der breitesten Stelle	Hoja: posición de la parte más ancha		
(+)						
QN	lower third	tiers inférieur	im unteren Drittel	en el tercio inferior		1
	middle third	tiers médian	im mittleren Drittel	en el tercio medio		2
	upper third	tiers supérieur	im oberen Drittel	en el tercio superior		3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
11.	(a) Leaf: shape of apex	Feuille: forme du sommet	Blatt: Form der Spitze	Hoja: forma del ápice		
PQ	acuminate	acuminé	mit aufgesetzter Spitze	acuminado		1
	acute	aigu	spitz	agudo		2
	obtuse	obtus	stumpf	obtusó		3
	rounded	arrondi	abgerundet	redondeado		4
12.	(a) Leaf: variegation	Feuille: panachure	Blatt: Panaschierung	Hoja: variegado		
QL	absent	absente	fehlend	ausente		1
	present	présente	vorhanden	presente		9
13.	(a) Leaf: main color of upper side	Feuille: couleur principale de la face supérieure	Blatt: Hauptfarbe der Oberseite	Hoja: color principal del haz		
PQ	yellow green	vert-jaune	gelbgrün	verde amarillento	Colourburst Gold, Colourburst Pink	1
	light green	vert clair	hellgrün	verde claro	Menindee Magic	2
	medium green	vert moyen	mittelgrün	verde medio	Gold 'n' Bronze	3
	dark green	vert foncé	dunkelgrün	verde oscuro	Coolgardie Gold	4
	grey green	gris vert	graugrün	verde-gris		5
14.	(a) Leaf: hairiness of upper side	Feuille: pilosité de la face supérieure	Blatt: Behaarung an der Oberseite	Hoja: velloso del haz		
QN	absent or weak	nulle ou faible	fehlend oder gering	ausente o débil		1
	medium	moyenne	mittel	media		2
	strong	forte	stark	fuerte		3
15.	(a) Leaf: hairiness of lower side	Feuille: pilosité de la face inférieure	Blatt: Behaarung an der Unterseite	Hoja: velloso del envés		
QN	absent or weak	nulle ou faible	fehlend oder gering	ausente o débil		1
	medium	moyenne	mittel	media		2
	strong	forte	stark	fuerte		3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
16. (a)	Leaf: undulation of margin	Feuille: ondulation du bord	Blatt: Randwellung	Hoja: ondulación del margen		
QN	absent or weak	nulle ou faible	fehlend oder gering	ausente o débil		1
	medium	moyenne	gering	débil		2
	strong	forte	mittel	media		3
17. (+)	Flowering shoot: length	Rameau florifère: longueur	Blütentrieb: Länge	Rama floral: longitud		
QN	short	court	kurz	corta	Coolgardie Gold	3
	medium	moyen	mittel	media	Broome Pearl	5
	long	long	lang	larga	Gold 'n' Bronze	7
18. (+)	Flowering shoot: branching	Rameau florifère: ramification	Blütentrieb: Verzweigung	Rama floral: ramificación		
QN	absent or weak	nulle ou faible	fehlend oder gering	ausente o débil		1
	medium	moyenne	mittel	media		2
	strong	forte	stark	fuerte		3
19. (+)	Flower bud: profile of apex	Bouton floral: profil du sommet	Blütenknospe: Profil der Spitze	Yema floral: perfil del ápice		
QL	pointed	pointu	spitz	puntiagudo	Dargan Hill Monarch White	1
	rounded	arrondi	abgerundet	redondeado	Gold 'n' Bronze	2
20. (+)	Flower bud: main color	Bouton floral: couleur principale	Blütenknospe: Hauptfarbe	Yema floral: color principal		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (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. (c)	Flower head: predominant position in relation to foliage	Capitule: position la plus fréquente par rapport au feuillage	Blütenkopf: vorherrschende Stellung im Verhältnis zum Laub	Capítulo: posición predominante en relación con el follaje		
(+)						
QN	slightly below to slightly above	de légèrement au-dessous à légèrement au-dessus	etwas unterhalb bis etwas oberhalb	ligeramente por debajo a ligeramente por encima	Coolgardie Gold	1
	moderately above	au-dessus	mäßig oberhalb	moderadamente por encima	Dargan Hill White	2
	far above	très au-dessus	weit oberhalb	muy por encima	Wanetta Gold	3
22. (c)	Flower head: diameter	Capitule: diamètre	Blütenkopf: Durchmesser	Capítulo: diámetro		
QN	very small	très petit	sehr klein	muy pequeño	Diamond Head	1
	small	petit	klein	pequeño	Argyle Star, Gold 'n' Bronze	3
	medium	moyen	mittel	medio	Broome Pearl	5
	large	grand	groß	grande	Wanetta Gold	7
	very large	très grand	sehr groß	muy grande		9
23. (c)	Flower head: side view of <u>lower</u> part	Capitule: vue latérale de la partie <u>inférieure</u>	Blütenkopf: Seitenansicht des <u>unteren</u> Teils	Capítulo: vista lateral de la parte <u>inferior</u>		
(+)						
QN	concave	concave	konkav	cóncava		1
	flat	plate	gerade	plana		2
	convex	convexe	konvex	convexa		3
24. (c)	Flower head: side view of <u>upper</u> part	Capitule: vue latérale de la partie <u>supérieure</u>	Blütenkopf: Seitenansicht des <u>oberen</u> Teils	Capítulo: vista lateral de la parte <u>superior</u>		
(+)						
QN	concave	concave	konkav	cóncava		1
	flat	plate	gerade	plana		2
	convex	convexe	konvex	convexa		3

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
25. (c)	Flower head: number of bracts	Capitule: nombre de bractées	Blütenkopf: Anzahl Deckblätter	Capítulo: número de brácteas		
QN	few	faible	gering	bajo	Citron Spice	3
	medium	moyen	mittel	medio	Pink Star	5
	many	élevé	groß	alto	Yellow Gem	7
26. (*) (+)	Involucre: number of colors	Involucre: nombre de couleurs	Hülle: Anzahl Farben	Involucro: número de colores		
QL	only one	une seule	nur eine	sólo uno	Lemon Colourburst	1
	more than one	plusieurs	mehr als eine	más de uno		2
27. (*)	Involucre: main color	Involucre: couleur principale	Hülle: Hauptfarbe	Involucro: color principal		
PQ	white	blanche	weiß	blanco		1
	yellow	jaune	gelb	amarillo		2
	orange	orange	orange	naranja		3
	pink	rose	rosa	rosa		4
	red	rouge	rot	rojo		5
28. (b) (c) (+)	Bract: length	Bractée: longueur	Deckblatt: Länge	Bráctea: longitud		
QN	short	courte	kurz	corta	Golden Yellow	3
	medium	moyenne	mittel	media	Dargan Hill White	5
	long	longue	lang	larga	Golden Wish, Princess of Wales	7
29. (b) (c) (+)	Bract: width	Bractée: largeur	Deckblatt: Breite	Bráctea: anchura		
QN	narrow	étroite	schmal	estrecha	Golden Yellow	3
	medium	moyenne	mittel	media	Dargan Hill White, Golden Wish, Princess of Wales	5
	broad	large	breit	ancha		7

	English	français	deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
30.	(b) Bract: ratio	Bractée: rapport	Deckblatt:	Bráctea: relación		
(+)	(c) length/width	longueur/largeur	Verhältnis	longitud/anchura		
			Länge/Breite			
QN	as long as broad	longueur et largeur égales	gleich lang wie breit	tan larga como ancha		1
	twice as long as broad	longueur deux fois supérieure à la largeur	zweimal so lang wie breit	dos veces más larga que ancha	Dargan Hill Apricot	2
	three times as long as broad	longueur trois fois supérieure à la largeur	dreimal so lang wie breit	tres veces más larga que ancha	Dargan Hill White, Golden Wish	3
	four times as long as broad	longueur quatre fois supérieure à la largeur	viermal so lang wie breit	cuatro veces más larga que ancha	Sweet Sensation	4
31.	(b) Bract: main color of	Bractée: couleur	Deckblatt:	Bráctea: color		
(+)	(c) <u>lower</u> third of bract from <u>inner</u> third of involucre	principale du tiers <u>inférieur</u> de la bractée du tiers <u>interne</u> de l'involucre	Hauptfarbe des <u>unteren</u> Drittels des Deckblattes vom <u>inneren</u> Drittel der Hülle gesehen	principal del tercio <u>inferior</u> de la bráctea del tercio <u>interno</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
32.	(b) Bract: main color of	Bractée: couleur	Deckblatt:	Bráctea: color		
(+)	(c) <u>middle</u> third of bract from <u>inner</u> third of involucre	principale du tiers <u>médian</u> de la bractée du tiers <u>interne</u> de l'involucre	Hauptfarbe des <u>mittleren</u> Drittels des Deckblattes vom <u>inneren</u> Drittel der Hülle gesehen	principal del tercio <u>medio</u> de la bráctea del tercio <u>interno</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
33.	(b) Bract: main color of	Bractée: couleur	Deckblatt:	Bráctea: color		
(+)	(c) <u>upper</u> third of bract from <u>inner</u> third of involucre	principale du tiers <u>supérieur</u> de la bractée du tiers <u>interne</u> de l'involucre	Hauptfarbe des <u>oberen</u> Drittels des Deckblattes vom <u>inneren</u> Drittel der Hülle gesehen	principal del tercio <u>superior</u> de la bráctea del tercio <u>interno</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (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
34.	(b) Bract: main color of (c) <u>lower</u> third of bract (+) from <u>middle</u> third of involucre	Bractée: couleur principale du tiers <u>inférieur</u> de la bractée du tiers <u>médian</u> de l'involucre	Deckblatt: Hauptfarbe des <u>unteren</u> Drittels des Deckblattes vom <u>mittleren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>inferior</u> de la bráctea del tercio <u>central</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
35.	(b) Bract: main color of (c) <u>middle</u> third of (+) bract from <u>middle</u> third of involucre	Bractée: couleur principale du tiers <u>médian</u> de la bractée du tiers <u>médian</u> de l'involucre	Deckblatt: Hauptfarbe des <u>mittleren</u> Drittels des Deckblattes vom <u>mittleren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>medio</u> de la bráctea del tercio <u>central</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
36.	(b) Bract: main color of (c) <u>upper</u> third of bract (+) from <u>middle</u> third of involucre	Bractée: couleur principale du tiers <u>supérieur</u> de la bractée du tiers <u>médian</u> de l'involucre	Deckblatt: Hauptfarbe des <u>oberen</u> Drittels des Deckblattes vom <u>mittleren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>superior</u> de la bráctea del tercio <u>central</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
37.	(b) Bract: main color of (c) <u>lower</u> third of bract (+) from <u>outer</u> third of involucre	Bractée: couleur principale du tiers <u>inférieur</u> de la bractée du tiers <u>externe</u> de l'involucre	Deckblatt: Hauptfarbe des <u>unteren</u> Drittels des Deckblattes vom <u>äußeren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>inferior</u> de la bráctea del tercio <u>externo</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (Nummer angeben)	Carta de colores RHS (indíquese el número de referencia)		
38.	(b) Bract: main color of (c) <u>middle</u> third of (+) bract from <u>outer</u> third of involucre	Bractée: couleur principale du tiers <u>médian</u> de la bractée du tiers <u>externe</u> de l'involucre	Deckblatt: Hauptfarbe des <u>mittleren</u> Drittels des Deckblattes vom <u>äußeren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>medio</u> de la bráctea del tercio <u>externo</u> del involucre		
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (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
39.	(b) Bract: main color of <u>upper</u> third of bract from <u>outer</u> third of involucre	Bractée: couleur principale du tiers <u>supérieur</u> de la bractée du tiers <u>externe</u> de l'involucre	Hülle: Hauptfarbe des <u>oberen</u> Drittels des Deckblattes vom <u>äußeren</u> Drittel der Hülle gesehen	Bráctea: color principal del tercio <u>superior</u> de la bráctea del tercio <u>externo</u> del involucre		
(+)						
PQ	RHS Colour Chart (indicate reference number)	Code RHS des couleurs (indiquer le numéro de référence)	RHS-Farbkarte (angeben)	Carta de colores RHS (indíquese el número de referencia)		
40.	(b) Pappus: color	Pappus: couleur	Pappus: Farbe	Papus: color		
	(c)					
PQ	white	blanc	weiß	blanco	Colourburst Pink	1
	yellow	jaune	gelb	amarillo		2
	yellow green	jaune vert	gelbgrün	verde amarillento	Colourburst Gold	3

8. Explanations on the Table of Characteristics

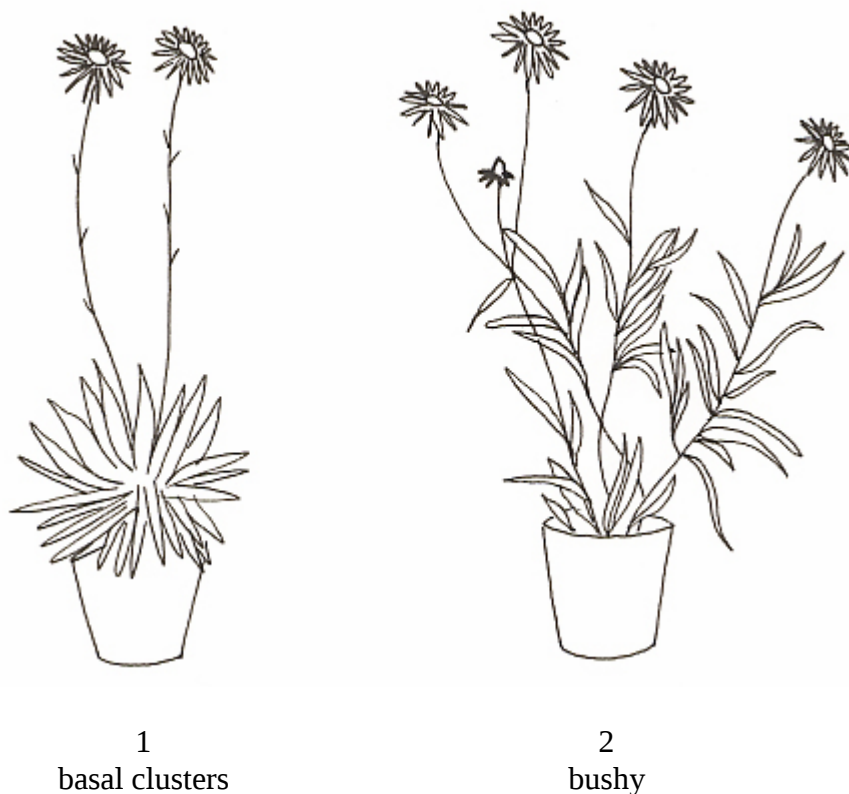
8.1 *Explanations covering several characteristics*

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

- (a) Observations on leaves should be made on fully expanded leaves. For bushy plant types, observations should be made on a leaf taken from the middle part of the flowering shoot. For basal clusters plant types, observations should be made on a leaf taken from the middle part of the cluster.
- (b) Bract length and width, bract color and pappus color should be recorded after removing bracts from the flower head. For observations on bract length and width, observations should be made on a bract taken from the middle row of the involucre.
- (c) Observations on the flower head, involucre, bracts and pappus should be made when one third of the florets in the flower head have opened.

8.2 *Explanations for individual characteristics*

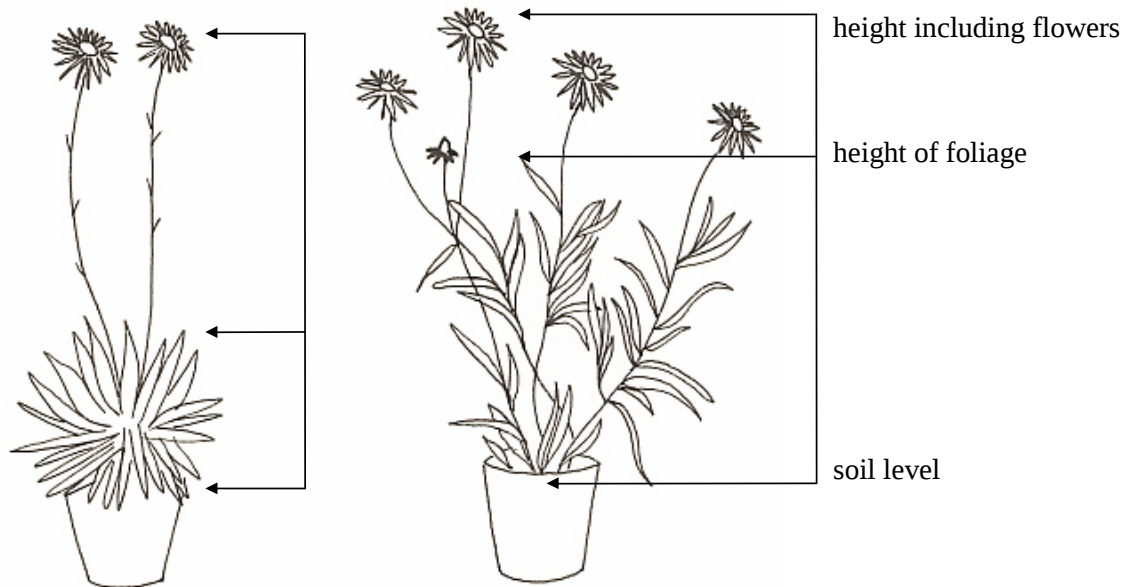
Ad. 1: Plant: type



Ads. 3, 4: Plant: height including flowers (3) , height of foliage (4)

Plant height including flowers should be measured from soil level to the top of the plant including the flowers when one third of florets have opened on the first flower head.

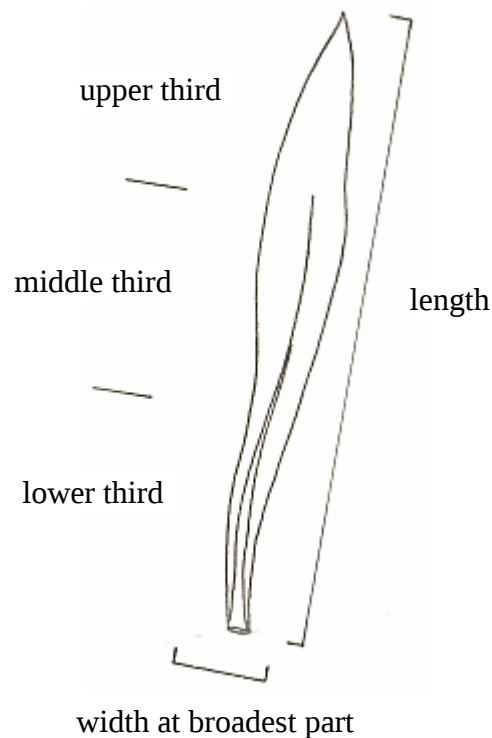
Plant height of foliage should be measured from soil level to the top of the foliage when one third of florets have opened on the first flower head.



Plant type: basal clusters

Plant type: bushy

Ads. 7, 8, 9, 10: Leaf: length (7), width (8), ratio length/width (9) and position of broadest part (10)



Ad. 17: Flowering shoot: length

To be assessed when one third of the florets have opened on the first flower head on the flowering shoot.

Measure length from the base of the flower to the point where the flowering shoot attaches to the main stem of the plant.

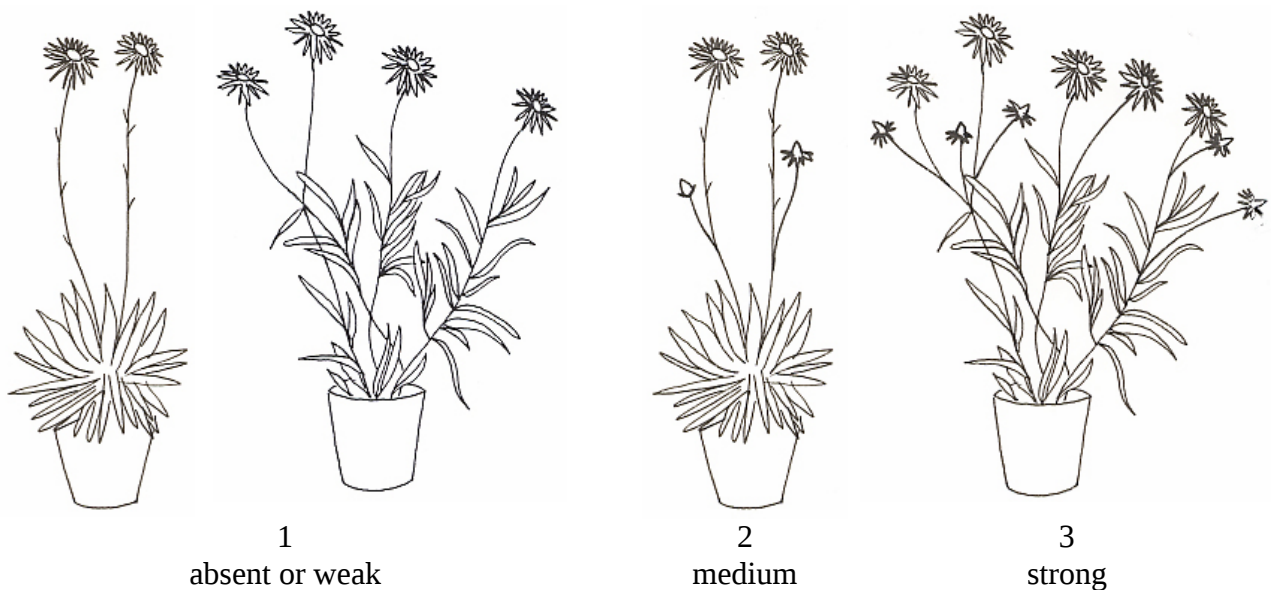


Plant type: basal clusters

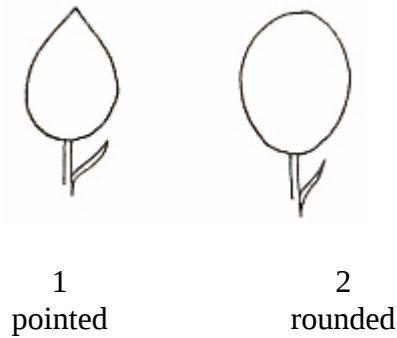
Plant type: bushy

Ad. 18: Flowering shoot: branching

To be assessed when one third of the florets have opened on the first flower head on the flowering shoot.



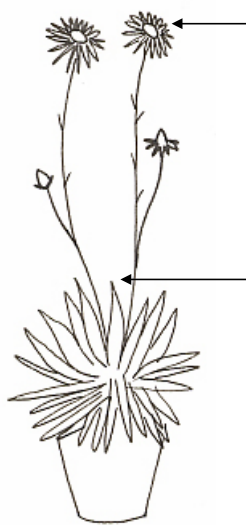
Ads. 19, 20: Flower bud: profile of apex (19), main color (20)



Observations on the flower bud should be made on the largest bud immediately prior to reflexing of the lower bracts.

Flower bud main color should be recorded after removing a bract from the middle third of the bud. The color of the middle third of the outside of the bract should be assessed.

Ad. 21: Flower head: predominant position in relation to foliage



position of
flower head in
relation to
foliage

Plant type: basal clusters



position of
flower head in
relation to
foliage

Plant type: bushy

Ad. 23: Flower head: side view of lower part



1
concave



2
flat

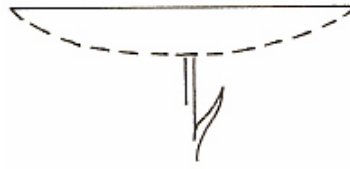


3
convex

Ad. 24: Flower head: side view of upper part



1
concave



2
flat



3
convex

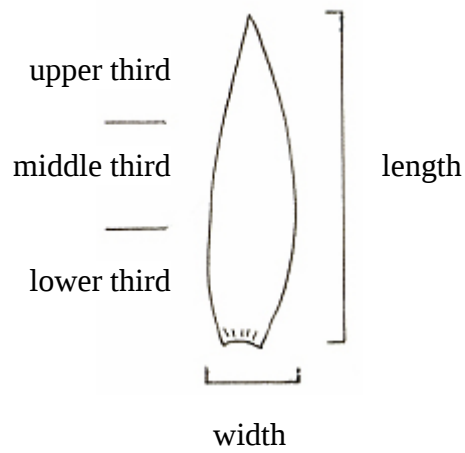
Ad. 26: Involucre: number of colors

Observations should be made on the involucre as a whole, with no bracts removed.

Only one: one color can be observed, e.g. white; or more than one color can be observed but all the colors observed fall into one color grouping as outlined in characteristic 27, eg. light yellow, medium yellow and dark yellow.

More than one: the colors that can be observed fall into more than one color grouping as outlined in characteristic 27, eg. yellow and orange.

Ads. 28, 29, 30, 31-39: Bract: length (28) and width (29), ratio length/width (30), main color of lower/middle/upper third of bract from inner/middle/outer third of involucre



9. Literature

Clarke, I., Lee, H., 1989: Name that Flower, Melbourne University Press, Melbourne, 260 pp.

Harden, G.J., 1992: Flora of New South Wales, Volume 3, New South Wales University Press, Kensington, pp. 236-237.

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 Genus 1.1.1 <i>Latin Name</i> Bracteantha Anderb. 1.1.2 Common Name Everlasting Daisy, Strawflower 1.2 Species (please complete) 1.2.1 <i>Latin Name</i> 1.2.2 Common Name 		
2. Applicant Name Address Telephone No. Fax No. E-mail address Breeder (if different from applicant) 		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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3. Proposed denomination and breeder's reference

Proposed denomination
(if available)

Breeder's reference

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 unknown cross []
(please state known parent variety(ies))

(c) totally unknown cross []

4.1.2 Mutation []
(please state parent variety)

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

4.1.4 Other []
(please provide details)

4.2 Method of Propagating the Variety

(a) cuttings []

(b) *in vitro* propagation []

(c) other (state method) []

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 Plant: type (1)		
basal clusters	Wanetta Gold	1[]
bushy	Menindee Magic	2[]
5.2 Leaf: variegation (12)		
absent		1[]
present		9[]
5.3 Involucre: number of colors (26)		
only one	Lemon Colourburst	1[]
more than one		2[]
5.4 Involucre: main color (27)		
white		1[]
yellow		2[]
orange		3[]
pink		4[]
red		5[]

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

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>Involucre: main color</i>	<i>pink</i>	<i>red</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 Special conditions for the examination of the variety

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

Yes ☐ No ☐

7.2.2 If yes, please give details:

7.3 Other information

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.

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

Applicant's name

Signature

Date