

Technical Working Party for Ornamental Plants and Forest Trees TWO/57/3

Fifty-Seventh Session
Roelofarendsveen, Kingdom of the Netherlands,
March 31 to April 3, 2025

Original: English
Date: February 27, 2025

PARTIAL REVISION OF THE TEST GUIDELINES FOR DIANTHUS

Document prepared by an expert from the Kingdom of the Netherlands

Disclaimer: this document does not represent UPOV policies or guidance

1. The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Dianthus (*Dianthus L.*) (document TG/25/9).
2. The Technical Working Party for Ornamental Plants and Forest Trees (TWO), at its fifty-sixth session, held by electronic means, from April 29 to May 2, 2024, agreed that the Test Guidelines for Dianthus (document TG/25/9) should be partially revised (see document TWO/56/6 "Report", Annex II).
3. The following changes are proposed:
 - (a) Addition of the characteristic **Leaf: undulation of margin** (*after* characteristic 19) with states absent or weak (1), example varieties Crazy Ball Chocolate, Fresh, medium (2), example varieties Tamarisou, Breagreen and strong (3), example varieties Hilbregremag, MOR18C53, Hilbrelindo. Only to be examined in cut flower umbrella (*D. barbatus*) types;
 - (b) Addition of the following characteristics (*after* characteristic 21), which are only to be examined in cut flower umbrella (*D. barbatus*) types:
 - I. **Inflorescence: development of flowers** with states rudimentary (1), example varieties Punky Ball and Tamarisou and fully developed (2), example variety Hilbreking;
 - II. **Only varieties with Inflorescence: development of flowers: rudimentary: Bract: intensity of anthocyanin coloration** with states absent or weak (1), example varieties Punky Ball and Tamarisou, medium (2) and strong (3), example variety Crazy Ball Chocolate;
 - III. **Only varieties with Inflorescence: development of flowers: rudimentary: Bract: distribution of anthocyanin coloration** with states at tip (1), example variety Hilbregremag, distal half (2) and throughout (3), example variety Crazy Ball Chocolate;
 - (c) Revision of item 5.3 – Grouping Characteristics. To include "Only for cut flower 'umbrella' (*D. barbatus*) types: Inflorescence: development of flowers" as grouping characteristic item (c);
 - (d) Revision of item 6.5 – Legend. To include the explanation for [Cu]: to be examined in cut flower 'umbrella' (*D. barbatus*) types;
 - (e) Revision of Technical Questionnaire – item 5. To include the new characteristic "Only for cut flower 'umbrella' (*D. barbatus*) types: Inflorescence: development of flowers".
 - (f) Revision of item 8.3 – Growing types. To update the explanation for umbrella (*D. barbatus*) (Cu) types.

(a) proposed new characteristic:

No. (*) (+)	[Cu] VG	Leaf: undulation of margin		
QN	(b)	absent or weak		Crazy Ball Chocolate (Cu), Fresh (Cu) 1
		medium		Temarisou (Cu), Breagreen (Cu) 2
		strong		Hilbregremag (Cu), MOR18C53 (Cu), Hilbreindo (Cu) 3



1
absent or weak



2
medium



3
strong

(b) proposed new characteristics:

I.

No. (*)	[Cu] VG	Inflorescence: development of flowers			
QL		rudimentary		Punky Ball (Cu), Temarisou (Cu)	1
		fully developed		Hilbreking (Cu)	2

II.

No. (*)	[Cu] VG	<u>Only varieties with</u> Inflorescence: development of flowers: rudimentary; Bract: intensity of anthocyanin coloration			
QN		absent or weak		Punky Ball (Cu), Temarisou (Cu)	1
		medium			2
		strong		Crazy Ball Chocolate (Cu)	3

III.

No. (*)	[Cu] VG	<u>Only varieties with</u> Inflorescence: development of flowers: rudimentary; Bract: distribution of anthocyanin coloration			
PQ		at tip		Hilbregremag (Cu)	1
		distal half			2
		throughout		Crazy Ball Chocolate (Cu)	3

(c) proposed revision of item 5.3 – Grouping Characteristics*Current wording:*

Only for pot and garden types:

- (a) Plant: height (characteristic 2)
- (b) Plant: position of flowers compared to foliage (characteristic 4)

For all types (including pot and garden types):

- (c) Flower: type (characteristic 37)
- (d) Petal: main color (characteristic 50), with the following groups:

- Gr. 1: white or near white
- Gr. 2: green
- Gr. 3: yellow
- Gr. 4: orange
- Gr. 5: pink
- Gr. 6: medium red
- Gr. 7: dark red
- Gr. 8: violet red
- Gr. 9: purple
- Gr. 10: pink purple
- Gr. 11: purple violet
- Gr. 12: violet
- Gr. 13: brownish

- (e) Petal: secondary color (characteristic 51), with the following groups:

- Gr. 1: none
- Gr. 2: white or near white
- Gr. 3: green
- Gr. 4: yellow
- Gr. 5: orange
- Gr. 6: pink
- Gr. 7: medium red
- Gr. 8: dark red
- Gr. 9: violet red
- Gr. 10: purple
- Gr. 11: pink purple
- Gr. 12: purple violet
- Gr. 13: violet
- Gr. 14: brownish

- (f) Petal: color pattern of secondary color, if present, with the following groups (combination of Characteristics 52 to 56):

- 1: marginated
- 2: striped
- 3: speckled
- 4: flushed
- 5: maculated

Proposed new wording:

Only for pot and garden types:

- (a) Plant: height (characteristic 2)
- (b) Plant: position of flowers compared to foliage (characteristic 4)

Only for cut flower 'umbrella' (*D. barbatus*) types:

- (c) Inflorescence: development of flowers (characteristic no ...)

For all types (including pot and garden types):

- (d) Flower: type (characteristic 37)

- (e) Petal: main color (characteristic 50), with the following groups:

- Gr. 1: white or near white
- Gr. 2: green
- Gr. 3: yellow
- Gr. 4: orange
- Gr. 5: pink
- Gr. 6: medium red
- Gr. 7: dark red
- Gr. 8: violet red
- Gr. 9: purple
- Gr. 10: pink purple
- Gr. 11: purple violet
- Gr. 12: violet
- Gr. 13: brownish

- (f) Petal: secondary color (characteristic 51), with the following groups:

- Gr. 1: none
- Gr. 2: white or near white
- Gr. 3: green
- Gr. 4: yellow
- Gr. 5: orange
- Gr. 6: pink
- Gr. 7: medium red
- Gr. 8: dark red
- Gr. 9: violet red
- Gr. 10: purple
- Gr. 11: pink purple
- Gr. 12: purple violet
- Gr. 13: violet
- Gr. 14: brownish

- (g) Petal: color pattern of secondary color, if present, with the following groups (combination of Characteristics 52 to 56):

- 1: marginated
- 2: striped
- 3: speckled
- 4: flushed
- 5: maculated

(d) proposed revision of item 6.5 - Legend

Current wording:

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
- MG, MS, VG, VS – see Chapter 4.1.5

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

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

- [C] to be examined in cut flower types
- [Cs] to be examined in cut flower 'spray' types
- [G] to be examined in garden types
- [P] to be examined in pot types

(C) cut flower type:

- (Co): one flower per stem
- (Cs): spray
- (Cu): umbrella (*D. barbatus*)

(G) garden type

(P) pot type

Proposed new wording:

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
- MG, MS, VG, VS – see Chapter 4.1.5

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

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

- [C] to be examined in cut flower types
- [Cs] to be examined in cut flower 'spray' types
- [Cu] to be examined in cut flower 'umbrella' (*D. barbatus*) types
- [G] to be examined in garden types
- [P] to be examined in pot types

(C) cut flower type:

- (Co): one flower per stem
- (Cs): spray
- (Cu): umbrella (*D. barbatus*)

(G) garden type

(P) pot type

(e) proposed revision of Technical Questionnaire – item 5

To include the new characteristic **Inflorescence: development of flowers (only for cut flower ‘umbrella’ (*D. barbatus*) types)** with states rudimentary (1), example varieties Punky Ball and Temarisou and fully developed (2), example variety Hilbreking in the TQ *after* item 5.2.

5.3	Inflorescence: development of flowers (only for cut flower ‘umbrella’ (<i>D. barbatus</i>) types)			
No.	rudimentary		Punky Ball (Cu), Temarisou (Cu)	1 []
	fully developed		Hilbreking (Cu)	2 []

(f) proposed revision of item 8.3 – Growing types

Current wording:

umbrella (*D. barbatus*) (Cu)

- All types of varieties belong to *D. barbatus*
- produce clusters of flowers
- most varieties have single flowers

Proposed new wording:

umbrella (*D. barbatus*) (Cu)

- All types of varieties belong to *D. barbatus*
- produce clusters with rudimentary or fully developed flowers
- most varieties have single flowers

[End of document]