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| International Union for the Protection of New Varieties of Plants |  |

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| Technical Working Party for Ornamental Plants and Forest Trees  Fifty-Sixth Session Virtual meeting, April 29 to May 2, 2024 | TWO/56/5  Original: English  Date: March 26, 2024 |

Partial revision of the Test Guidelines for Dianthus

Document prepared by an expert from the Netherlands

Disclaimer: this document does not represent UPOV policies or guidance

The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Carnation (document TG/25/9).

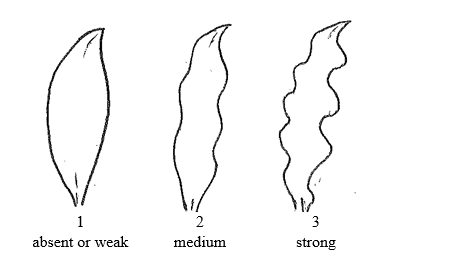
The Technical Working Party for Ornamentals (TWO), at its fifty-fifth session[[1]](#footnote-2), agreed that the Test Guidelines for Carnation (*Dianthus* L.) should be partially revised (see document TWO/55/11 “Report”, Annex II).

The following changes are proposed:

1. 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 Temarisou, Breagreen; and strong (3), example varieties Hilbregremag, MOR18C53, Hilbrelindo. Only to be examined in cut flower umbrella (*D. barbatus*) types;
2. Addition of the following characteristics (after characteristic 21), which are only to be examined in cut flower umbrella (*D. barbatus*) types:
3. **Presence of flowers** with states absent (1), example variety Temarisou and present (9), example variety Hilbreking;
4. **Only varieties with Presence of flowers: absent: Bract: anthocyanin coloration** with states absent or weak (1), example variety Temarisou; medium (2); and strong (3), example variety Crazy Ball Chocolate;
5. **Only varieties with Presence of flowers: absent: Bract: distribution of anthocyanin coloration** with states at tip (1), example variety Hilbregremag; distal half (2); and throughout (3), example variety Crazy Ball Chocolate;
6. Revision of item 5.3 – Grouping Characteristics. To include ‘’Only for cut flower ‘umbrella’ (*D. barbatus*) types: Presence of flowers’’ as grouping characteristic item (c);
7. Revision of item 6.5 – Legend. To include the explanation for [Cu]: to be examined in cut flower ‘umbrella’ (*D. barbatus*) types;
8. Revision of Technical Questionnaire – item 5. To include the new characteristic ‘’Only for cut flower ‘umbrella’ (*D. barbatus*) types: Presence of flowers’’.
9. Revision of item 8.3 – Growing types. To update the explanation for umbrella (*D. barbatus*) (Cu) types.

## Addition of the characteristic “Leaf: undulation of margin” (*after* characteristic 19)

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| --- | --- | --- | --- | --- | --- |
| **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), Hilbrelindo (Cu) | 3 |



## Addition of characteristics (*after* characteristic 21)

I.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.**  **(\*)** | **[Cu]**  **VG** | **Presence of flowers** |  |  |  |
| **QL** |  | absent |  | Temarisou (Cu) | 1 |
|  |  | present |  | Hilbreking (Cu) | 9 |

II.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.**  **(\*)** | **[Cu]**  **VG** | **Only varieties with Presence of flowers: absent: Bract: distribution of anthocyanin coloration** |  |  |  |
| **QN** |  | absent or weak |  | Temarisou (Cu) | 1 |
|  |  | medium |  |  | 2 |
|  |  | strong |  | Crazy Ball Chocolate (Cu) | 3 |

III.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.**  **(\*)** | **[Cu]**  **VG** | **Only varieties with Presence of flowers: absent: Bract: distribution of anthocyanin coloration** |  |  |  |
| **PQ** |  | at tip |  | Hilbregremag (Cu) | 1 |
|  |  | distal half |  |  | 2 |
|  |  | throughout |  | Crazy Ball Chocolate (Cu) | 3 |

## Revision of chapter 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) Presence 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

## Revision of chapter 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

## Revision of Technical Questionnaire, section 5

To include the new characteristic “Presence of flowers (only for cut flower ‘umbrella’ (*D. barbatus*) types)”with states absent (1), example variety Temarisou and present (9), example variety Hilbreking in the TQ *after* item 5.2.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **5.3** |  | **Presence of flowers (only for cut flower ‘umbrella’ (*D. barbatus*) types)** | | | |
| **No.** |  | absent |  | Temarisou (Cu) | 1 [ ] |
|  |  | present |  | Hilbreking (Cu) | 9 [ ] |

## Revision of chapter 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 of flowers or have no flowers
* most varieties have single flowers

[End of document]

1. held via electronic means, from June 12 to 16, 2023. [↑](#footnote-ref-2)