

# Technical Working Party for Vegetables

TWV/56/16

## Fifty-Sixth Session

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Original: English

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## PARTIAL REVISION OF THE TEST GUIDELINES FOR LEAF CHICORY

*Document prepared by an expert from France*

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1. The purpose of this document is to present a proposal for a partial revision of the Test Guidelines for Leaf Chicory (document TG/154/4).
2. The Technical Working Party for Vegetables (TWV), at its fifty-fifth session, hosted by Turkey and organized by electronic means, from May 3 to 7, 2021, agreed that the Test Guidelines for Leaf Chicory (*Cichorium intybus* L. var. *foliosum* Hegi) (document TG/154/4) be partially revised for Characteristics 8 “Leaf: color”, 11 “Leaf: profile of upper side” and 25 “Head: color of cover leaves” and the addition of two new characteristics “Only varieties with anthocyanin coloration: present: Leaf: anthocyanin distribution: “diffused only””: Leaf: area of diffused anthocyanin coloration on the whole of the leaf (including midrib)” and “Only varieties with Leaf: anthocyanin distribution: in patches only or diffused and in patches”: Leaf: area of anthocyanin coloration” after characteristic 10 “Leaf: anthocyanin distribution”;
3. The following changes are proposed to Chapter 7 “Table of Characteristics”:
  - (a) Addition of a new state of expression “very dark” with note 8 to Characteristic 8 “Leaf: color”;
  - (b) Addition of two new characteristics “Only varieties with anthocyanin coloration: present: Leaf: anthocyanin distribution: “diffused only””: Leaf: area of diffused anthocyanin coloration on the whole of the leaf (including midrib)” and “Only varieties with Leaf: anthocyanin distribution: in patches only or diffused and in patches”: Leaf: area of anthocyanin coloration” after characteristic 10 “Leaf: anthocyanin distribution”;
  - (c) Revision of title and example varieties of Characteristic 11 “Leaf: profile of upper side”;
  - (d) Addition of a new characteristic “Leaf: profile of margin at apical zone” after Characteristic 11 “Leaf: profile of upper side”;
  - (e) Addition of a new state of expression “very dark red” with note 9 to Characteristic 25 “Head: color of cover leaves”.
4. The proposed changes are presented below in highlight and underline (insertion) and ~~striethrough~~ (deletion).

## Proposal to revise Chapter 7 "Table of characteristics"

|        | English  |    | français   |          | deutsch                                 | español                                     | Example Varieties<br>Exemples<br>Beispielssorten<br>Variedades ejemplo | Note/<br>Nota |
|--------|--|----|--|----------|---|---|--|---------------|
| 8. (*) | PQ   | VG | (+)  | (a), (b) |   |   |  |               |
|        | <b>Leaf: color</b>   |    | <b>Feuille : couleur</b>                                       |          | <b>Blatt: Farbe</b>                     | <b>Hoja: color</b>                          |  |               |
|        | yellowish green  |    | vert jaunâtre  |          | gelblichgrün                            | verde amarillento                           | Bianca di Milano   | 1             |
|        | light green  |    | vert clair   |          | hellgrün                                | verde claro                                 | A grumolo bionda, Rosa   | 2             |
|        | medium green   |    | vert moyen   |          | mittelgrün                              | verde medio                                 | A grumolo verde  | 3             |
|        | dark green   |    | vert foncé   |          | dunkelgrün                              | verde oscuro                                | A grumolo verde scuro  | 4             |
|        | light red  |    | rouge clair  |          | hellrot                                 | rojo claro                                  |  | 5             |
|        | medium red   |    | rouge moyen  |          | mittelrot                               | rojo medio                                  | Rossa di Treviso precoce   | 6             |
|        | dark red   |    | rouge foncé  |          | dunkelrot                               | rojo oscuro                                 | Rosa isontina  | 7             |
|        | <u>very dark red</u>   |    | <u>rouge très foncé</u>  |          | <u>sehr dunkelrot</u>                   | <u>rojo muy oscuro</u>                      | <u>Caravaggio</u>  | <u>8</u>      |
| 9. (*) | PQ   | VG | (+)  | (a), (b) |   |   |  |               |
|        | <b>Leaf: anthocyanin distribution</b>  |    | <b>Feuille : distribution de la pigmentation anthocyanique</b> |          | <b>Blatt: Verteilung des Anthocyans</b> | <b>Hoja: distribución de la antocianina</b> |  |               |
|        | diffused only  |    | diffuse seulement  |          | nur diffus                              | solamente difusa                            | Palla rossa 2  | 1             |
|        | in patches only  |    | en taches seulement  |          | nur in Flecken                          | solamente en manchas                        | Variegata di Castelfranco, Variegata di Lusia                          | 2             |
|        | diffused and in patches  |    | diffuse et en taches   |          | diffus und in Flecken                   | difusa y en manchas                         | Palla rossa 2  | 1             |
| 10.    | QN   | VG |  | (a), (b) |   |   |  |               |
|        | <u>Only varieties with anthocyanin coloration: present: Leaf: anthocyanin distribution: "diffused only": Leaf: area of diffused anthocyanin coloration on the whole of the leaf (including midrib)</u> |    |  |          |   |   |  |               |
|        | <u>small</u>   |    |  |          |   |   | <u>Palla Rossa 2</u>   | <u>3</u>      |
|        | <u>medium</u>  |    |  |          |   |   | <u>Granato</u>   | <u>5</u>      |
|        | <u>large</u>   |    |  |          |   |   | <u>Caravaggio</u>  | <u>7</u>      |

|                    | English   |           | français   | deutsch  | español   | Example Varieties<br>Exemples<br>Beispielssorten<br>Variedades ejemplo | Note/<br>Nota |
|--------------------|---|-----------|--|--|---|--|---------------|
| <b>11.</b>         | <b>QN</b>   | <b>VG</b> | <b>(a), (b)</b>  |  |   |  |               |
|                    | <b>Only varieties with<br/>Leaf: anthocyanin<br/>distribution: in<br/>patches only or<br/>diffused and in<br/>patches: Leaf: area of<br/>anthocyanin<br/>coloration</b> |           |  |  |   |  |               |
|                    | very small  |           |  |  |   | Variegata di Lusia   | 1             |
|                    | small   |           |  |  |   | Variegata di Castelfranco  | 3             |
|                    | medium  |           |  |  |   | Variegata di Chioggia  | 5             |
|                    | large   |           |  |  |   | Variegata di Adria   | 7             |
| <b>10.<br/>12.</b> | <b>PQ</b>   | <b>VG</b> | <b>(a), (b)</b>  |  |   |  |               |
|                    | <b>Leaf: color of midrib</b>  |           | <b>Feuille : couleur de la<br/>nervure médiane</b>                             | <b>Blatt: Farbe der<br/>Mittelrippe</b>                    | <b>Hoja: color del nervio<br/>central</b>               |  |               |
|                    | whitish   |           | blanchâtre   | weißlich   | blanquecino   | Bianca invernale,<br>Bianca di Milano,<br>Pan di zucchero              | 1             |
|                    | green   |           | verte  | grün   | verde   | A grumolo verde, Katrina   | 2             |
|                    | red   |           | rouge  | rot  | rojo  | Medusa   | 3             |
| <b>11.<br/>13.</b> | <b>QN</b>   | <b>VG</b> | <b>(a), (b)</b>  |  |   |  |               |
|                    | <b>Leaf: profile of upper<br/>side in longitudinal<br/>section</b>  |           | <b>Feuille : profil de la<br/>face supérieure en<br/>section longitudinale</b> | <b>Blatt: Profil der<br/>Oberseite im<br/>Längsschnitt</b> | <b>Hoja: perfil del haz en<br/>sección longitudinal</b> |  |               |
|                    | strongly concave  |           | fortement concave  | stark konkav   | muy cóncavo   | Botticelli, Indigo   | 1             |
|                    | weakly concave  |           | faiblement concave   | leicht konkav  | débillemente cóncavo                                    | Grumolo verde scuro  | 2             |
|                    | flat  |           | plan   | flach  | plano   | Rossa di Treviso 2   | 3             |
|                    | weakly convex   |           | faiblement convexe   | leicht konvex  | débillemente convexo                                    | Granato,<br>Rossa di Treviso precoce,<br>Uranus                        | 4             |
|                    | strongly convex   |           | fortement convexe  | stark konvex   | fuertemente convexo                                     | Granato A grumolo verde  | 5             |
| <b>14. (*)</b>     | <b>QN</b>   | <b>VG</b> | <b>(a), (b)</b>  |  |   |  |               |
|                    | <b>Leaf: profile of margin<br/>at apical zone</b>   |           |  |  |   |  |               |
|                    | strongly concave  |           |  |  |   | Verona   | 1             |
|                    | weakly concave  |           |  |  |   | Giove  | 2             |
|                    | flat  |           |  |  |   | Pan di zucchero  | 3             |
|                    | weakly convex   |           |  |  |   | Granato  | 4             |
|                    | strongly convex   |           |  |  |   |  | 5             |

|              | English                            |           | français  | deutsch                            | español   | Example Varieties<br>Exemples<br>Beispielssorten<br>Variedades ejemplo | Note/<br>Nota |
|--------------|------------------------------------|-----------|---|------------------------------------|---|--|---------------|
| <b>12-15</b> | <b>QN</b>                          | <b>VG</b> | <b>(a), (b)</b>                                   |                                    |   |  |               |
|              | <b>Leaf: glossiness</b>            |           | <b>Feuille : brillance</b>                        | <b>Blatt: Glanz</b>                | <b>Hoja: brillo</b>                             |  |               |
|              | absent or weak                     |           | nulle ou faible                                   | fehlend oder gering                | ausente o débil                                 | Jupiter, Rosa  | 1             |
|              | medium                             |           | moyenne   | mittel                             | medio   | Variegata di Chioggia  | 3             |
|              | strong                             |           | forte   | stark                              | fuerte  |  | 5             |
|              | [...]                              |           |   |                                    |   |  |               |
| <b>25-28</b> | <b>(*) PQ</b>                      | <b>VG</b> | <b>(a)</b>  |                                    |   |  |               |
|              | <b>Head: color of cover leaves</b> |           | <b>Pomme : couleur des feuilles de couverture</b> | <b>Kopf: Farbe der Deckblätter</b> | <b>Repollo: color de las hojas de cobertura</b> |  |               |
|              | whitish green                      |           | vert blanchâtre                                   | weißlichgrün                       | verde blanquecino                               | Variegata di Chioggia  | 1             |
|              | yellowish green                    |           | vert jaunâtre                                     | gelblichgrün                       | verde amarillento                               | Bianca invernale, Variegata di Lusina                                  | 2             |
|              | light green                        |           | vert clair  | hellgrün                           | verde claro                                     | A grumolo bionda, Pan di zucchero                                      | 3             |
|              | medium green                       |           | vert moyen  | mittelgrün                         | verde medio                                     | A grumolo verde  | 4             |
|              | dark green                         |           | vert foncé  | dunkelgrün                         | verde oscuro                                    | A grumolo verde scuro, Catalogna puntarelle a foglia frastagliata      | 5             |
|              | light red                          |           | rouge clair                                       | hellrot                            | rojo claro                                      | Rosa   | 6             |
|              | medium red                         |           | rouge moyen                                       | mittelrot                          | rojo medio                                      | Rossa di Verona precoce  | 7             |
|              | dark red                           |           | rouge foncé                                       | dunkelrot                          | rojo oscuro                                     | Nerone, Rosa isontina  | 8             |
|              | <u>very dark red</u>               |           | <u>rouge très foncé</u>                           | <u>sehr dunkelrot</u>              | <u>rojo muy oscuro</u>                          | <u>Caravaggio</u>  | <u>9</u>      |

5. Changes agreed to characteristics in Chapter 7 “Table of characteristics” will also be reflected in Chapters 5.3 “Grouping of Varieties” and Organization of the Growing Trial”, 8 Explanations on the Table of Characteristics” and 10 “Technical Questionnaire”, Section 5 “Characteristics of the variety to be indicated”.

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