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

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| Technical Working Party for VegetablesFifty-Sixth SessionVirtual meeting, April 18 to 22, 2022 | TWV/56/16Original: EnglishDate: March 18, 2022 |

Partial revision of the Test Guidelines for Leaf Chicory

Document prepared by an expert from France

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 Leaf Chicory (document TG/154/4).

 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: area covered by anthocyanin coloration” and “Leaf: profile of margin of apical part” (see document TWV/55/16 “Report”, Annex III).

 The following changes are proposed to Chapter 7 “Table of Characteristics”:

1. Addition of a new state of expression “very dark” with note 8 to Characteristic 8 “Leaf: color”;
2. 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. Revision of title and example varieties of Characteristic 11 “Leaf: profile of upper side”;
4. Addition of a new characteristic “Leaf: profile of margin at apical zone” after Characteristic 11 “Leaf: profile of upper side”;
5. Addition of a new state of expression “very dark red” with note 9 to Characteristic 25 “Head: color of cover leaves”.

 The proposed changes are presented below in highlight and underline (insertion) and ~~strikethrough~~ (deletion).

## Proposal to revise Chapter 7 “Table of characteristics”

|  |  | English | français | deutsch | español | Example VarietiesExemplesBeispielssortenVariedades ejemplo | Note/Nota |
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| **8.** | **(\*)** | **PQ** | **VG** | **(+)** | **(a), (b)** |  |
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| **Leaf:  color** |

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| **Feuille : couleur** |

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| **Blatt:  Farbe** |

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| **Hoja:  color** |

 |  |  |
|  |  | 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 |
|  |  | very dark red | rouge très foncé | sehr dunkelrot | rojo muy oscuro | Caravaggio | 8 |
| **9.** | **(\*)** | **PQ** | **VG** | **(+)** | **(a), (b)** |  |
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| **Leaf: anthocyanin distribution** |

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| **Feuille : distribution de la pigmentation anthocyanique** |

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| **Blatt: Verteilung des Anthocyans** |

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| **Hoja: distribución de la antocianina** |

 |  |  |
|  |  | 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)** |  |
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| **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)** |

 |  |  |  |  |  |
|  |  | small |  |  |  | Palla Rossa 2 | 3 |
|  |  | medium |  |  |  | Granato | 5 |
|  |  | large |  |  |  | Caravaggio | 7 |
| **11.** |  | **QN** | **VG** |  | **(a), (b)** |  |
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| **Only varieties with Leaf: anthocyanin distribution: in patches only or diffused and in patches: Leaf: area of anthocyanin coloration** |

 |  |  |  |  |  |
|  |  | very small |  |  |  | Variegata di Lusia | 1 |
|  |  | small |  |  |  | Variegata di Castelfranco | 3 |
|  |  | medium |  |  |  | Variegata di Chioggia | 5 |
|  |  | large |  |  |  | Variegata di Adria | 7 |
| **~~10.~~12.** |  | **PQ** | **VG** |  | **(a), (b)** |  |
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| **Leaf: color of midrib** |

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| **Feuille : couleur de la nervure médiane** |

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| **Blatt: Farbe der Mittelrippe** |

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| **Hoja: color del nervio central** |

 |  |  |
|  |  | whitish | blanchâtre | weißlich | blanquecino | Bianca invernale, Bianca di Milano, Pan di zucchero | 1 |
|  |  | green | verte | grün | verde | A grumolo verde, Katrina | 2 |
|  |  | red | rouge | rot | rojo | Medusa | 3 |
| **~~11.~~****13.** |  | **QN** | **VG** |  | **(a), (b)** |  |
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| **Leaf: profile of upper side in longitudinal section** |

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| **Feuille : profil de la face supérieure en section longitudinale** |

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| **Blatt: Profil der Oberseite im Längsschnitt** |

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| **Hoja: perfil del haz en sección longitudinal** |

 |  |  |
|  |  | strongly concave | fortement concave | stark konkav | muy cóncavo | Botticelli, Indigo | 1 |
|  |  | weakly concave | faiblement concave | leicht konkav | débilmente cóncavo | Grumolo verde scuro | 2 |
|  |  | flat | plan | flach | plano | Rossa di Treviso 2 | 3 |
|  |  | weakly convex | faiblement convexe | leicht konvex | débilmente convexo | Granato, Rossa di Treviso precoce,Uranus | 4 |
|  |  | strongly convex | fortement convexe | stark konvex | fuertemente convexo | ~~Granato~~ A grumolo verde | 5 |
| **14.** | **(\*)** | **QN** | **VG** |  | **(a), (b)** |  |
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| **Leaf: profile of margin at apical zone** |

 |  |  |  |  |  |
|  |  | strongly concave |  |  |  | Verona | 1 |
|  |  | weakly concave |  |  |  | Giove | 2 |
|  |  | flat |  |  |  | Pan di zuccchero | 3 |
|  |  | weakly convex |  |  |  | Granato | 4 |
|  |  | strongly convex |  |  |  |  | 5 |
| **~~12.~~****15.** |  | **QN** | **VG** |  | **(a), (b)** |  |
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| **Leaf: glossiness** |

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| **Feuille : brillance** |

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| **Blatt: Glanz** |

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| **Hoja: brillo** |

 |  |  |
|  |  | 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 |
|  |  | […] |  |  |  |  |  |
| **~~25.~~****28.** | **(\*)** | **PQ** | **VG** |  | **(a)** |  |
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| **Head: color of cover leaves** |

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| **Pomme : couleur des feuilles de couverture** |

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| **Kopf: Farbe der Deckblätter** |

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| **Repollo: color de las hojas de cobertura** |

 |  |  |
|  |  | whitish green | vert blanchâtre | weißlichgrün | verde blanquecino | Variegata di Chioggia | 1 |
|  |  | yellowish green | vert jaunâtre | gelblichgrün | verde amarillento | Bianca invernale, Variegata di Lusia | 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 |
|  |  | very dark red | rouge très foncé | sehr dunkelrot | rojo muy oscuro | Caravaggio | 9 |

 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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