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

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Partial revision of the Test Guidelines for Almond

Document prepared by an expert from Spain

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 Almond (*Prunus dulcis* (Mill.) D.A.Webb) (document TG/56/4 Corr.).

 The Technical Working Party for Fruit Crops (TWF), at its forty-ninth session, held in Santiago de Chile, Chile, from November 19 to 23, 2018, considered a proposal for a partial revision of the Test Guidelines for Almond (*Prunus dulcis* (Mill.) D.A.Webb) on the basis of documents TG/56/4 Corr. and TWF/49/4 “Partial Revision of the Test Guidelines for Almond” and proposed the following revisions to the Test Guidelines for Almond (see document TWF/49/12 “Report”, paragraph 61):

1. Revision of the example varieties of Characteristic 43 “Time of beginning of flowering” and addition of intermediate states of expression
2. Addition of literature references to Chapter 9 “Literature”

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

Proposal to revise the example varieties of Characteristic 43 “Time of beginning of flowering” and addition of intermediate states of expression

*Current wording*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 43. (\*)(+) | MG | Time of beginning of flowering  | Époque du début de floraison | Zeitpunkt des Blühbeginns  | Epoca de comienzo de la floración |  |  |
| **QN** |  | very early | très précoce | sehr früh | muy temprana | Umm al-Fahm | 1 |
|  |  | early  | précoce | früh  | temprana |  | 3 |
|  |  | medium | moyenne | mittel | mediana | Nec Plus Ultra | 5 |
|  |  | late | tardive | spät | tardía |  | 7 |
|  |  | very late | très tardive | sehr spät | muy tardía | Peerless | 9 |

*Proposed new wording*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 43. (\*)(+) | MG | Time of beginning of flowering  | Époque du début de floraison | Zeitpunkt des Blühbeginns  | Epoca de comienzo de la floración |  |  |
| **QN** |  | very early | très précoce | sehr früh | muy temprana | ~~Umm al-Fahm~~Zahaf, Cavaliera | 1 |
|  |  | very early to early | très précoce à très précoce | sehr früh bis früh | muy temprana a temprana | Desmayo Largueta, Rameira, Avola | 2 |
|  |  | early  | précoce | früh  | temprana  | Chellaston, Princesse | 3 |
|  |  | early to medium | très précoce à moyenne | früh bis mittel | temprana a mediana | Marcona, Nec Plus Ultra, Bartre | 4 |
|  |  | medium | moyenne | mittel | mediana | ~~Nec Plus Ultra~~Peerless, Nonpareil, Cristomorto, Miagkoskorlupij | 5 |
|  |  | medium to late | moyenne à tardive | mittel bis spät | mediana a tardía | Guara, Ferragnès, Primorskij | 6 |
|  |  | late | tardive | spät | tardía | Felisia, Steliette | 7 |
|  |  | late to very late | tardive à très tardive | spät bis sehr spät | tardía a muy tardía | Vialfas | 8 |
|  |  | very late | très tardive | sehr spät | muy tardía | ~~Peerless~~Diamar, Penta | 9 |

Proposal to add literature references to Chapter 9 “Literature”

*Current wording*

9. Literature

 No specific literature.

*Proposed new wording*

9. Literature

Alonso Segura J.M., Socias i Company R., Kodad O., 2017: Late-blooming in almond: A controversial objective. Scientia Horticulturae 224: pp. 61 to 67

Asai W.K., Micke W.C., Kester D.E., Rough D., 1996: The Evaluation and Selection of Current Varieties (Chapter 8.) In: *Almond production manual* (Micke, W.C. Ed.). Division of Agriculture and Natural Resources, University of California. pp. 52 to 60

Dicenta, F., Sánchez-Pérez, R., Batlle, I., Martínez-Gómez, P. 2017 : 7 Late-blooming Cultivar Development. in: Socias i Company R, Gradziel TM (Eds.), Almonds. Botany, Production and Uses. CABI, USA, pp.168 to 187

Wirthensohn, M., Iannamico, L., 2017: 4 Almond in the Southern Hemisphere. in: Socias i Company R, Gradziel TM (Eds.), Almonds. Botany, Production and Uses. CABI, US, pp. 87 to 110

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