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

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| Technical Working Party for Fruit Crops  Fifty-Third Session Virtual meeting, July 11 to 15, 2022 | TWF/53/8  Original: English  Date: June 9, 2022 |

Partial revision of the Test Guidelines for Blueberry

Document prepared by an expert from Australia

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 Blueberry (document TG/137/5).

The TC, at its fifty-seventh session, held via electronic means on October 25 and 26, 2021, agreed to request a partial revision of the Test Guidelines for Blueberry (document TG/137/5) to be considered by the TWF, at its session in 2022, with Ms. Nahida Bhuiyan (Australia) as Leading Expert and revision of the following elements (see document TC/57/25 “Report”, paragraph 107):

1. Expansion of the scope to include *Vaccinium darrowii* Campand *Vaccinium uliginosum* L.:
   * In the box on the cover page
   * In the table indicating alternative names
   * In Chapter 1 “Subject of these Test Guidelines”
   * In Chapter 10 “Technical Questionnaire”, Section 1 “Subject of the Technical Questionnaire”;
2. Char. 14 “Flower: shape of corolla”: to delete example variety ‘Ridley’ from note 2 and replace it with “DrisBlueSeven”;
3. Ad. 8: to replace the illustration for the state of expression “lanceolate”

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

Proposal to extend the scope include *Vaccinium darrowii*

*In the box on the cover page*

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| **BLUEBERRY** |
| UPOV Code(s): VACCI\_AMC; VACCI\_ANG; VACCI\_CAN; VACCI\_CAV; VACCI\_COR; VACCI\_DAR; VACCI\_FOR; VACCI\_MYD; VACCI\_MYR; VACCI\_SIM; VACCI\_ULI; VACCI\_VIR |
| |  | | --- | |  | |  | |
| *Vaccinium angustifolium* x *Vaccinium myrsinites* x *Vaccinium corymbosum*;  *Vaccinium angustifolium* Aiton;  Hybrids between *Vaccinium corymbosum* and *Vaccinium angustifolium*; *Vaccinium corymbosum* x *Vaccinium angustifolium* x *Vaccinium virgatum*; *Vaccinium corymbosum* L.;  *Vaccinium darrowii* Camp; *Vaccinium formosum* Andrews; *Vaccinium myrtilloides* Michx.; *Vaccinium myrtillus* L.;  *Vaccinium simulatum* Small;  *Vaccinium uliginosum* L.; *Vaccinium virgatum* Aiton |

### In the table indicating alternative names

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| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | |  | | Alternative names:\* | | | | | | | *Botanical name* | *English* | *French* | *German* | *Spanish* | | |  | | --- | | *Vaccinium angustifolium* x *Vaccinium myrsinites* x *Vaccinium corymbosum* | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | *Vaccinium angustifolium* Aiton,  *V. angustifolium* var. *hypolasium* Fernald,  *V. angustifolium* var. *laevifolium* House,  *V. angustifolium* var. *nigrum* (Alph. Wood) Dole, *V. brittonii* Porter ex E. P. Bicknell, *V. lamarckii* Camp, *V. pensylvanicum* Lam., *V. pensylvanicum* var. nigrum Alph. Wood | | |  | | --- | | Lowbush Blueberry, Upland lowbush blueberry | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | Hybrids between *Vaccinium corymbosum* and *Vaccinium angustifolium*, *V.angustifolium* x *V.corymbosum, V.corymbosum* x *V.angustifolium* | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | *Vaccinium corymbosum* x *Vaccinium angustifolium* x *Vaccinium virgatum* | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | *Vaccinium corymbosum* L., *V. atlanticum* E. P. Bicknell,  *V. constablaei* A. Gray | | |  | | --- | | Blueberry,  High Bush Blueberry | | |  | | --- | | Myrtille,  Myrtille en Corymbe, Myrtille américaine,  Myrtille arbustive | | |  | | --- | | Amerikanische Heidelbeere, Kulturheidelbeere | | |  | | --- | | Arándano americano | | | *Vaccinium darrowii* Camp | Darrow's blueberry, Darrow's evergreen blueberry |  |  |  | | |  | | --- | | *Vaccinium formosum* Andrews, *V. australe*Small | | |  | | --- | | Swamp Highbush Blueberry | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | *Vaccinium myrtilloides* Michx., *V. canadense* Kalm ex Richardson | | |  | | --- | | Canada blueberry, Sourtop blueberry, Velvetleaf blueberry | | |  | | --- | |  | | |  | | --- | | Kanadische Heidelbeere | | |  | | --- | |  | | | |  | | --- | | *Vaccinium myrtillus* L., *V. yatabei* Makino | | |  | | --- | | Bilberry, Blueberry, Whinberry, Whortleberry | | |  | | --- | | Myrtille | | |  | | --- | | Blaubeere, Heidelbeere | | |  | | --- | | Arándano, Mirtillo | | | |  | | --- | | *Vaccinium simulatum* Small | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | *Vaccinium uliginosum* L. | | |  | | --- | | Bog Blueberry | | |  | | --- | |  | | |  | | --- | |  | | |  | | --- | |  | | | |  | | --- | | *Vaccinium virgatum* Aiton,  *V. amoenum* Aiton, *V. ashei* J. M. Reade | | |  | | --- | | Rabbit-eye blueberry, Southern black blueberry | | |  | | --- | |  | | |  | | --- | |  | | |  |  | | --- | --- | |  |  | | |

### In Chapter 1 “Subject of these Test Guidelines”

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| 1. | Subject of these Test Guidelines |
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| 1.1 | |  | | --- | | These Test Guidelines apply to all varieties of  *Vaccinium angustifolium* x *Vaccinium myrsinites* x *Vaccinium corymbosum*,  *Vaccinium angustifolium* Aiton,  Hybrids between *Vaccinium corymbosum* and *Vaccinium angustifolium*,  *Vaccinium corymbosum* x *Vaccinium angustifolium* x *Vaccinium virgatum*,  *Vaccinium corymbosum* L.,  *Vaccinium darrowii* Camp, *Vaccinium formosum* Andrews,  *Vaccinium myrtilloides* Michx.,  *Vaccinium myrtillus* L., *Vaccinium simulatum* Smal ~~and~~, *Vaccinium uliginosum* L. and *Vaccinium virgatum* Aiton. | |
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| 1.2 | Guidance on the use of Test Guidelines for interspecific hybrids that are not explicitly covered by Test Guidelines is provided in document TGP/13 “Guidance for New Types and Species”. |
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| |  | | --- | | 1.3 | | |  | | --- | | In the case of ornamental varieties, in particular, it may be necessary to use additional characteristics or additional states of expression to those included in the Table of Characteristics in order to examine Distinctness, Uniformity and Stability. | |

### In Chapter 10 “Technical Questionnaire”, Section 1 “Subject of the Technical Questionnaire”

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| |  |  | | --- | --- | | 10. | Technical Questionnaire | |
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| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
|  |
| |  |  | | --- | --- | |  | Application date: (not to be filled in by the applicant) | | TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights | | |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | | 1. | Subject of the Technical Questionnaire | | | | |  |  |  |  |  | |  | |  | | --- | | 1.1.1 | | Botanical name | |  | | --- | | *Vaccinium angustifolium* x *V. myrsinites* x *V. corymbosum* | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.1.2 | | Common name | |  | | --- | |  | |  | |  |  |  |  |  | |  | |  | | --- | | 1.2.1 | | Botanical name | |  | | --- | | *Vaccinium angustifolium* Aiton | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.2.2 | | Common name | |  | | --- | | Lowbush Blueberry, Upland lowbush blueberry | |  | |  |  |  |  |  | |  | |  | | --- | | 1.3.1 | | Botanical name | |  | | --- | | Hybrids between *Vaccinium corymbosum* and *Vaccinium angustifolium* | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.3.2 | | Common name | |  | | --- | |  | |  | |  |  |  |  |  | |  | |  | | --- | | 1.4.1 | | Botanical name | |  | | --- | | *Vaccinium corymbosum* x *V. angustifolium* x *V. virgatum* | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.4.2 | | Common name | |  | | --- | |  | |  | |  |  |  |  |  | |  | |  | | --- | | 1.5.1 | | Botanical name | |  | | --- | | *Vaccinium corymbosum* L. | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.5.2 | | Common name | |  | | --- | | Blueberry, High Bush Blueberry | |  | |  |  |  |  |  | |  | |  | | --- | | 1.6.1 | | Botanical name | |  | | --- | | *Vaccinium darrowii* Camp | | [ ] | |  |  |  |  |  | |  | |  | | --- | | 1.6.2 | | Common name | |  | | --- | | Darrow's blueberry, Darrow's evergreen blueberry | |  | |  |  |  |  |  | |  | |  | | --- | | 1.7.1 | | Botanical name | |  | | --- | | *Vaccinium formosum* Andrews | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.7.2 | | Common name | |  | | --- | | Swamp Highbush Blueberry | |  | |  |  |  | |  | | --- | |  | |  | |  | |  | | --- | | 1.8.1 | | Botanical name | |  | | --- | | *Vaccinium myrtilloides* Michx. | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.8.2 | | Common name | |  | | --- | | Canada blueberry; Sourtop blueberry; Velvetleaf blueberry | |  | |  |  |  |  |  | |  | |  | | --- | | 1.9.1 | | Botanical name | |  | | --- | | *Vaccinium myrtillus* L. | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.9.2 | | Common name | |  | | --- | | Bilberry, Blueberry, Whinberry, Whortleberry | |  | |  |  |  |  |  | |  | |  | | --- | | 1.10.1 | | Botanical name | |  | | --- | | *Vaccinium simulatum* Small | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.10.2 | | Common name | |  | | --- | |  | |  | |  |  |  |  |  | |  | |  | | --- | | 1.11.1 | | Botanical name | |  | | --- | | *Vaccinium virgatum* Aiton | | |  | | --- | | [  ] | | |  |  |  |  |  | |  | |  | | --- | | 1.11.2 | | Common name | |  | | --- | | Rabbit-eye blueberry, Southern black blueberry | |  | |  |  |  |  |  | |  | 1.12.1 | Botanical name | *Vaccinium uliginosum* L. | [  ] | |  |  |  |  |  | |  | 1.12.2 | Common name | Bog Blueberry |  | |  |  |  |  |  | |

## Proposal to delete example variety ‘Ridley’ from note 2 of Characteristic 14 “Flower: shape of corolla” and replace it with “DrisBlueSeven”

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| **14.** |  | **PQ** | **VG** | **(+)** | **(c)** |  | | | |
|  |  | |  | | --- | | **Flower: shape of corolla** | | | |  | | --- | | **Fleur : forme de la corolle** | | | |  | | --- | | **Blüte: Form der Krone** | | |  | | --- | | **Flor: forma de la corola** | |  |  |
|  |  | globose | | globuleuse | | kugelförmig | globosa | EB 12-19 (L), Farthing (L) | 1 |
|  |  | ellipsoid | | ellipsoïde | | ellipsoid | elipsoidal | ~~Ridley (L)~~  DrisBlueSeven | 2 |
|  |  | cylindric | | cylindrique | | zylindrisch | cilíndrica | Reka (H) | 3 |
|  |  | ovoid | | ovoïde | | eiförmig | ovoidal |  | 4 |
|  |  | urceolate | | urcéolée | | urnenförmig | urceolada | Maru (L) | 5 |
|  |  | campanulate | | campanulée | | glockenförmig | acampanada | Magnolia (L), Scintilla (L), Velluto Blue (H),  Victoria (L) | 6 |

Proposal to replace the illustration for the state of expression “lanceolate” in Ad. 8 “Leaf: shape”

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|  |  |  |  |
| 1 | 2 | 3 | 4 |
| lanceolate | ovate | elliptic | oblong |

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