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

|  |  |
| --- | --- |
| Technical Committee  Fifty-Seventh Session Geneva, October 25 and 26, 2021 | TC/57/22  Original: English  Date: September 4, 2021 |

Partial revision of the Test Guidelines for Peach

Document prepared by the Office of the Union

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 Peach (document TG/53/7 Rev.).

The background to the proposed partial revision of the Test Guidelines for Peach is presented in document TC/57/2 “Test Guidelines”.

The Technical Working Party for Fruit Crops (TWF), at its fifty-second session[[1]](#footnote-2), considered a proposal for a partial revision of the Technical Questionnaire (TQ) of the Test Guidelines for Peach (*Prunus persica* (L.) Batsch) on the basis of document TWP/5/13 “Revision of Test Guidelines”, paragraph 17 and Annex XIII. The TWF agreed to propose the inclusion of the following characteristics in the TQ (characteristics for inclusion indicated in highlight and underline) (see document TWF/52/10 “Report”, paragraph 88):

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | |
| 1 | (\*) | | Tree: size | |
| 2 |  | | Tree: vigor | |
| 3 | (\*) | | Tree: habit | |
| 9 | (\*) | | Flower: type | |
| 12 |  | | Only varieties with flower type: campanulate: Petal: width | |
| 13 | (\*) | | Only varieties with flower type: rosette: Petal: width | |
| 17 | (\*) | | Anthers: pollen | |
| 20 | (\*) | | Leaf blade: length | |
| 28 | (\*) | | Leaf blade: red mid-vein on the lower side | |
| 30 | (\*) | | Petiole: nectaries | |
| 31 | (\*) | | Petiole: shape of nectaries | |
| 32 | (\*) | | Fruit: size | |
| 33 | (\*) | | Fruit: shape (in ventral view) | |
| 40 | (\*) | | Fruit: ground color of skin | |
| 44 | (\*) | | Fruit: pubescence of skin | |
| 49 |  | | Fruit: adherence of skin to flesh | |
| 50 | (\*) | | Fruit: firmness of flesh | |
| 51 | (\*) | | Fruit: carotenoid coloration of flesh | |
| 58 |  | | Fruit: flesh fiber | |
| 60 | (\*) | | Fruit: acidity | |
| 61 | (\*) | | Stone: size in relation to fruit | |
| 66 | (\*) | | Stone: adherence to flesh | |
| 68 |  | | Time of beginning of leaf bud burst | |
| 69 | (\*) | | Time of beginning of flowering | |
| 70 | (\*) | | Time of maturity | |

The proposed additions to TQ 5 are presented in highlight and underline.

| TECHNICAL QUESTIONNAIRE | | Page {x} of {y} | Reference Number: | |
| --- | --- | --- | --- | --- |
|  | |  |  | |
| 5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | | |
|  | Characteristics | | Example Varieties | Note |
| **5.1 (1)** | **Tree: size** | |  |  |
|  | very small | | Bonanza, Bonfire, Pix Zee, Zaino | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Richaven | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Robin | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Redhaven | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | | Champion | 9[ ] |
| **5.2 (2)** | **Tree: vigor** | |  |  |
|  | very weak | |  | 1[ ] |
|  | very weak to weak | |  | 2[ ] |
|  | weak | | J. H. Hale | 3[ ] |
|  | weak to medium | |  | 4[ ] |
|  | medium | | Robin | 5[ ] |
|  | medium to strong | |  | 6[ ] |
|  | strong | | Springtime | 7[ ] |
|  | strong to very strong | |  | 8[ ] |
|  | very strong | |  | 9[ ] |
| **5.3 (3)** | **Tree: habit** | |  |  |
|  | fastigiate | | Nectarose, Pillar | 1[ ] |
|  | upright | | Fairhaven, Redwing | 2[ ] |
|  | upright to spreading | | Albertina, Elegant Lady, Mercil | 3[ ] |
|  | spreading | | Charles Roux | 4[ ] |
|  | drooping | | Biancopendulo | 5[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~2~~ 4 (9)** | **Flower: type** | |  |  |
|  | campanulate | | Dida, Springtime | 1[ ] |
|  | rosette | | Robin, Vesuvio | 2[ ] |
| **5.5 (12)** | **Only varieties with flower type: campanulate: Petal: width** | |  |  |
|  | very narrow | |  | 1[ ] |
|  | very narrow to narrow | |  | 2[ ] |
|  | narrow | | Meydicte | 3[ ] |
|  | narrow to medium | |  | 4[ ] |
|  | medium | | Bradgust | 5[ ] |
|  | medium to broad | |  | 6[ ] |
|  | broad | | Monnail | 7[ ] |
|  | broad to very broad | |  | 8[ ] |
|  | very broad | |  | 9[ ] |
| **5.6 (13)** | **Only varieties with flower type: rosette: Petal: width** | |  |  |
|  | very narrow | | Triumph | 1[ ] |
|  | narrow | | Shasta | 2[ ] |
|  | medium | | Robin | 3[ ] |
|  | broad | | Michelini | 4[ ] |
|  | very broad | | Veteran | 5[ ] |
| **5.7 (17)** | **Anthers: pollen** | |  |  |
|  | absent | | J. H. Hale | 1[ ] |
|  | present | | Redhaven | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.8 (20)** | **Leaf blade: length** | |  |  |
|  | very short | |  | 1[ ] |
|  | very short to short | |  | 2[ ] |
|  | short | | Jeronimo | 3[ ] |
|  | short to medium | |  | 4[ ] |
|  | medium | | Fairhaven | 5[ ] |
|  | medium to long | |  | 6[ ] |
|  | long | | Southland | 7[ ] |
|  | long to very long | |  | 8[ ] |
|  | very long | |  | 9[ ] |
| **5.~~3~~ 9 (28)** | **Leaf blade: red mid‑vein on the lower side** | |  |  |
|  | absent | | Redhaven | 1[ ] |
|  | present | | Sanguine Chanas | 9[ ] |
| **5.~~4~~ 10 (30)** | **Petiole: nectaries** | |  |  |
|  | absent | | Crimson Glo, Tejon | 1[ ] |
|  | present | | Redhaven | 9[ ] |
| **5.~~5~~ 11 (31)** | **Petiole: shape of nectaries** | |  |  |
|  | round | | Springtime | 1[ ] |
|  | reniform | | Redhaven | 2[ ] |
| **5.12 (32)** | **Fruit: size** | |  |  |
|  | very small | | Nectarine-Cerise | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Minastar, Springtime | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Momée, Springlady, Sunhaven | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Loring, Zaifer, Zaitabo | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | | Comanche, Maillarbig | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~6~~ 13 (33)** | **Fruit: shape (in ventral view)** | |  |  |
|  | broad oblate | | Alex, Bailou, UFO3 | 1[ ] |
|  | medium oblate | | Herastrau, Robin | 2[ ] |
|  | circular | | Redwing | 3[ ] |
|  | broad elliptic | | Cavalier | 4[ ] |
|  | medium elliptic | | Elberta | 5[ ] |
| **5.14 (40)** | **Fruit: ground color of skin** | |  |  |
|  | not visible | | Fiesta Red | 1[ ] |
|  | green | | Ruberrina | 2[ ] |
|  | cream green | | Carman | 3[ ] |
|  | greenish white | | Morton | 4[ ] |
|  | cream white | | Antonia, Michelini | 5[ ] |
|  | cream | | Amsden | 6[ ] |
|  | pink white | | Précoce de Hale | 7[ ] |
|  | greenish yellow | | Veteran | 8[ ] |
|  | cream yellow | | Fuzalode | 9[ ] |
|  | yellow | | Sudanell | 10[ ] |
|  | orange yellow | | Redtop, Victoria | 11[ ] |
| **5.~~7~~ 15 (44)** | **Fruit: pubescence of skin** | |  |  |
|  | absent | | Daisy, Fantasia, Monco, Zaitabo | 1[ ] |
|  | present | | Merspri, Moncav, Rich May | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.16 (49)** | **Fruit: adherence of skin to flesh** | |  |  |
|  | very weak | | Mme Girerd | 1[ ] |
|  | very weak to weak | |  | 2[ ] |
|  | weak | | Redhaven | 3[ ] |
|  | weak to medium | |  | 4[ ] |
|  | medium | | Early Sungrand | 5[ ] |
|  | medium to strong | |  | 6[ ] |
|  | strong | | Babygold 5 | 7[ ] |
|  | strong to very strong | |  | 8[ ] |
|  | very strong | | Vivian | 9[ ] |
| **5.17 (50)** | **Fruit: firmness of flesh** | |  |  |
|  | very soft | | Amsden, Morettini n°1, Springtime | 1[ ] |
|  | very soft to soft | |  | 2[ ] |
|  | soft | | Fairhaven | 3[ ] |
|  | soft to medium | |  | 4[ ] |
|  | medium | | Flavorcrest, Redtop | 5[ ] |
|  | medium to firm | |  | 6[ ] |
|  | firm | | Honey Blaze, Zaitabo | 7[ ] |
|  | firm to very firm | |  | 8[ ] |
|  | very firm | | Babygold 6, Ghiaccio 2 | 9[ ] |
| **5.~~8~~ 18 (51)** | **Fruit: carotenoid coloration of flesh** | |  |  |
|  | greenish white | | Charles Roux | 1[ ] |
|  | white | | Caldesi 2000, Springtime | 2[ ] |
|  | cream white | | Michelini | 3[ ] |
|  | light yellow | | Armking, Spring Gold | 4[ ] |
|  | yellow | | Early Sungrand | 5[ ] |
|  | orange yellow | | Lovell, Merrill Franciscan | 6[ ] |
|  | orange | | Sungold | 7[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.19 (58)** | **Fruit: flesh fiber** | |  |  |
|  | absent or weak | | Redhaven | 1[ ] |
|  | medium | |  | 2[ ] |
|  | strong | | Sunhigh | 3[ ] |
| **5.~~9~~ 20 (60)** | **Fruit: acidity** | |  |  |
|  | very low | | Monam, Moncav, Monna, Redwing, Zaibomi, Zaidaso | 1[ ] |
|  | low | | Maillarboom, Monnude, Zaifave, Zaifuro, Zairesu, Zaitabo | 2[ ] |
|  | medium | | Mercil, Monprime, Ryans Sun | 3[ ] |
|  | high | | Craucail, Kraprim, Nectaross, Orion, Rich May, Zailice, Zainara | 4[ ] |
|  | very high | | Armking, Bracid, Maycrest, Red Robin, Savana Red, Star Bright, Zaibri, Zaitop | 5[ ] |
| **5.21 (61)** | **Stone: size in relation to fruit** | |  |  |
|  | very small | |  | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Alex, Robin | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Redhaven | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Somervee | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | |  | 9[ ] |
| **5.22 (66)** | **Stone: adherence to flesh** | |  |  |
|  | absent | | Fairhaven, Fuzalode | 1[ ] |
|  | present | | Sweet Gold, Vivian | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.23 (68)** | **Time of beginning of leaf bud burst** | |  |  |
|  | very early | | Sunred | 1[ ] |
|  | very early to early | |  | 2[ ] |
|  | early | | Springtime | 3[ ] |
|  | early to medium | |  | 4[ ] |
|  | medium | | Redhaven | 5[ ] |
|  | medium to late | |  | 6[ ] |
|  | late | | Genadix 7 | 7[ ] |
|  | late to very late | |  | 8[ ] |
|  | very late | | Reine des Vergers | 9[ ] |
| **5.~~10~~ 24 (69)** | **Time of beginning of flowering** | |  |  |
|  | very early | | Zaibop, Zaitolio | 1[ ] |
|  | very early to early | |  | 2[ ] |
|  | early | | Rich Lady, Springtime | 3[ ] |
|  | early to medium | |  | 4[ ] |
|  | medium | | Monnude, Zaitabo | 5[ ] |
|  | medium to late | |  | 6[ ] |
|  | late | | Maillarflat, Maillarlau | 7[ ] |
|  | late to very late | |  | 8[ ] |
|  | very late | | Summerqueen | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~11~~ 25 (70)** | **Time of maturity** | |  |  |
|  | very early | | Rich May, Springtime, Zaibaro | 1[ ] |
|  | very early to early | | Zainoar, Zaitani | 2[ ] |
|  | early | | Antonia, Redwing, Rich Lady, Robin | 3[ ] |
|  | early to medium | | Craucail, Diamond Princess | 4[ ] |
|  | medium | | Fairhaven, Fantasia, Summer Bright, Zee Lady | 5[ ] |
|  | medium to late | | Maillarbig, Savana red, Zaimor | 6[ ] |
|  | late | | Fairlane, Flacara, Veteran, Western Red, Zailati, Zairova | 7[ ] |
|  | late to very late | | Andgold, Tardibelle | 8[ ] |
|  | very late | | Rubidoux | 9[ ] |
|  | extremely late | | Calante, Jesca | 10[ ] |

[End of document]

1. hosted by China and organized by electronic means, from July 12 to 16, 2021 [↑](#footnote-ref-2)