

Technical Committee

TC/57/22

**Fifty-Seventh Session
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PARTIAL REVISION OF THE TEST GUIDELINES FOR PEACH

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1. 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.).
2. The background to the proposed partial revision of the Test Guidelines for Peach is presented in document TC/57/2 “Test Guidelines”.
3. The Technical Working Party for Fruit Crops (TWF), at its fifty-second session¹, 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		<u>Tree: vigor</u>
3	(*)	<u>Tree: habit</u>
9	(*)	Flower: type
12		<u>Only varieties with flower type: campanulate: Petal: width</u>
13	(*)	<u>Only varieties with flower type: rosette: Petal: width</u>
17	(*)	<u>Anthers: pollen</u>
20	(*)	<u>Leaf blade: length</u>
28	(*)	Leaf blade: red mid-vein on the lower side
30	(*)	Petiole: nectaries
31	(*)	Petiole: shape of nectaries
32	(*)	<u>Fruit: size</u>
33	(*)	Fruit: shape (in ventral view)
40	(*)	<u>Fruit: ground color of skin</u>
44	(*)	Fruit: pubescence of skin
49		<u>Fruit: adherence of skin to flesh</u>
50	(*)	<u>Fruit: firmness of flesh</u>
51	(*)	Fruit: carotenoid coloration of flesh
58		<u>Fruit: flesh fiber</u>
60	(*)	Fruit: acidity
61	(*)	<u>Stone: size in relation to fruit</u>
66	(*)	<u>Stone: adherence to flesh</u>
68		<u>Time of beginning of leaf bud burst</u>
69	(*)	Time of beginning of flowering
70	(*)	Time of maturity

¹ hosted by China and organized by electronic means, from July 12 to 16, 2021

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

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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 Tree: size (1)		
very small	Bonanza, Bonfire, Pix Zee, Zaino	1[]
<u>very small to small</u>		<u>2[]</u>
small	Richaven	3[]
<u>small to medium</u>		<u>4[]</u>
medium	Robin	5[]
<u>medium to large</u>		<u>6[]</u>
large	Redhaven	7[]
<u>large to very large</u>		<u>8[]</u>
very large	Champion	9[]
5.2 Tree: vigor (2)		
<u>very weak</u>		<u>1[]</u>
<u>very weak to weak</u>		<u>2[]</u>
<u>weak</u>	<u>J. H. Hale</u>	<u>3[]</u>
<u>weak to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Robin</u>	<u>5[]</u>
<u>medium to strong</u>		<u>6[]</u>
<u>strong</u>	<u>Springtime</u>	<u>7[]</u>
<u>strong to very strong</u>		<u>8[]</u>
<u>very strong</u>		<u>9[]</u>
5.3 Tree: habit (3)		
<u>fastigate</u>	<u>Nectarose, Pillar</u>	<u>1[]</u>
<u>upright</u>	<u>Fairhaven, Redwing</u>	<u>2[]</u>
<u>upright to spreading</u>	<u>Albertina, Elegant Lady, Mercil</u>	<u>3[]</u>
<u>spreading</u>	<u>Charles Roux</u>	<u>4[]</u>
<u>drooping</u>	<u>Biancopedulo</u>	<u>5[]</u>

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Characteristics	Example Varieties	Note
5.2.4 Flower: type (9)		
campanulate	Dida, Springtime	1 []
rosette	Robin, Vesuvio	2 []
5.5 Only varieties with flower type: campanulate: Petal: width (12)		
<u>very narrow</u>		1 []
<u>very narrow to narrow</u>		2 []
<u>narrow</u>	<u>Meydicte</u>	3 []
<u>narrow to medium</u>		4 []
<u>medium</u>	<u>Bradgust</u>	5 []
<u>medium to broad</u>		6 []
<u>broad</u>	<u>Monnail</u>	7 []
<u>broad to very broad</u>		8 []
<u>very broad</u>		9 []
5.6 Only varieties with flower type: rosette: Petal: width (13)		
<u>very narrow</u>	<u>Triumph</u>	1 []
<u>narrow</u>	<u>Shasta</u>	2 []
<u>medium</u>	<u>Robin</u>	3 []
<u>broad</u>	<u>Michelini</u>	4 []
<u>very broad</u>	<u>Veteran</u>	5 []
5.7 Anthers: pollen (17)		
<u>absent</u>	<u>J. H. Hale</u>	1 []
<u>present</u>	<u>Redhaven</u>	9 []

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Characteristics	Example Varieties	Note
5.8 Leaf blade: length (20)		
<u>very short</u>		1[]
<u>very short to short</u>		2[]
<u>short</u>	<u>Jeronimo</u>	3[]
<u>short to medium</u>		4[]
<u>medium</u>	<u>Fairhaven</u>	5[]
<u>medium to long</u>		6[]
<u>long</u>	<u>Southland</u>	7[]
<u>long to very long</u>		8[]
<u>very long</u>		9[]
5.3 9 Leaf blade: red mid-vein on the lower side (28)		
absent	Redhaven	1[]
present	Sanguine Chanas	9[]
5.4 10 Petiole: nectaries (30)		
absent	Crimson Glo, Tejon	1[]
present	Redhaven	9[]
5.5 11 Petiole: shape of nectaries (31)		
round	Springtime	1[]
reniform	Redhaven	2[]
5.12 Fruit: size (32)		
<u>very small</u>	<u>Nectarine-Cerise</u>	1[]
<u>very small to small</u>		2[]
<u>small</u>	<u>Minastar, Springtime</u>	3[]
<u>small to medium</u>		4[]
<u>medium</u>	<u>Momée, Springlady, Sunhaven</u>	5[]
<u>medium to large</u>		6[]
<u>large</u>	<u>Loring, Zaifer, Zaitabo</u>	7[]
<u>large to very large</u>		8[]
<u>very large</u>	<u>Comanche, Maillarbig</u>	9[]

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Characteristics	Example Varieties	Note
5.6 13 Fruit: shape (in ventral view) (33)		
broad oblate	Alex, Bailou, UFO3	1[]
medium oblate	Herastrau, Robin	2[]
circular	Redwing	3[]
broad elliptic	Cavalier	4[]
medium elliptic	Elberta	5[]
5.14 Fruit: ground color of skin (40)		
<u>not visible</u>	<u>Fiesta Red</u>	<u>1[]</u>
<u>green</u>	<u>Ruberrina</u>	<u>2[]</u>
<u>cream green</u>	<u>Carman</u>	<u>3[]</u>
<u>greenish white</u>	<u>Morton</u>	<u>4[]</u>
<u>cream white</u>	<u>Antonia, Michelini</u>	<u>5[]</u>
<u>cream</u>	<u>Amsden</u>	<u>6[]</u>
<u>pink white</u>	<u>Précoce de Hale</u>	<u>7[]</u>
<u>greenish yellow</u>	<u>Veteran</u>	<u>8[]</u>
<u>cream yellow</u>	<u>Fuzalode</u>	<u>9[]</u>
<u>yellow</u>	<u>Sudanell</u>	<u>10[]</u>
<u>orange yellow</u>	<u>Redtop, Victoria</u>	<u>11[]</u>
5.7 15 Fruit: pubescence of skin (44)		
absent	Daisy, Fantasia, Monco, Zaitabo	1[]
present	Merspri, Moncav, Rich May	9[]

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Characteristics	Example Varieties	Note
5.16 Fruit: adherence of skin to flesh (49)		
<u>very weak</u>	<u>Mme Girerd</u>	1[]
<u>very weak to weak</u>		2[]
<u>weak</u>	<u>Redhaven</u>	3[]
<u>weak to medium</u>		4[]
<u>medium</u>	<u>Early Sungrand</u>	5[]
<u>medium to strong</u>		6[]
<u>strong</u>	<u>Babygold 5</u>	7[]
<u>strong to very strong</u>		8[]
<u>very strong</u>	<u>Vivian</u>	9[]
5.17 Fruit: firmness of flesh (50)		
<u>very soft</u>	<u>Amsden, Morettini n°1, Springtime</u>	1[]
<u>very soft to soft</u>		2[]
<u>soft</u>	<u>Fairhaven</u>	3[]
<u>soft to medium</u>		4[]
<u>medium</u>	<u>Flavorcrest, Redtop</u>	5[]
<u>medium to firm</u>		6[]
<u>firm</u>	<u>Honey Blaze, Zaitabo</u>	7[]
<u>firm to very firm</u>		8[]
<u>very firm</u>	<u>Babygold 6, Ghiaccio 2</u>	9[]
5.8 18 Fruit: carotenoid coloration of flesh (51)		
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[]

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Characteristics	Example Varieties	Note
5.19 Fruit: flesh fiber (58)		
<u>absent or weak</u>	<u>Redhaven</u>	1[]
<u>medium</u>		2[]
<u>strong</u>	<u>Sunhigh</u>	3[]
5.9 20 Fruit: acidity (60)		
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 Stone: size in relation to fruit (61)		
<u>very small</u>		1[]
<u>very small to small</u>		2[]
<u>small</u>	<u>Alex, Robin</u>	3[]
<u>small to medium</u>		4[]
<u>medium</u>	<u>Redhaven</u>	5[]
<u>medium to large</u>		6[]
<u>large</u>	<u>Somervee</u>	7[]
<u>large to very large</u>		8[]
<u>very large</u>		9[]
5.22 Stone: adherence to flesh (66)		
<u>absent</u>	<u>Fairhaven, Fuzalode</u>	1[]
<u>present</u>	<u>Sweet Gold, Vivian</u>	9[]

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Characteristics	Example Varieties	Note
5.23 Time of beginning of leaf bud burst (68)		
<u>very early</u>	<u>Sunred</u>	1[]
<u>very early to early</u>		2[]
<u>early</u>	<u>Springtime</u>	3[]
<u>early to medium</u>		4[]
<u>medium</u>	<u>Redhaven</u>	5[]
<u>medium to late</u>		6[]
<u>late</u>	<u>Genadix 7</u>	7[]
<u>late to very late</u>		8[]
<u>very late</u>	<u>Reine des Vergers</u>	9[]
5.10 24 Time of beginning of flowering (69)		
very early	Zaibop, Zaitolio	1[]
<u>very early to early</u>		2[]
early	Rich Lady, Springtime	3[]
<u>early to medium</u>		4[]
medium	Monnude, Zaitabo	5[]
<u>medium to late</u>		6[]
late	Maillarflat, Maillarlau	7[]
<u>late to very late</u>		8[]
very late	Summerqueen	9[]

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Characteristics	Example Varieties	Note
5.11 25 Time of maturity (70)		
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[]

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