

Technical Working Party for Vegetables

Fifty-Sixth Session

Virtual meeting, April 18 to 22, 2022

TWP/6/10**Original:** English**Date:** March 14, 2022**Technical Working Party for Agricultural Crops**

Fifty-First Session

Cambridge, United Kingdom, May 23 to 27, 2022

Technical Working Party for Ornamental Plants and Forest Trees

Fifty-Fourth Session

Hanover, Germany, June 13 to 17, 2022

Technical Working Party for Fruit Crops

Fifty-Third Session

Virtual meeting, July 11 to 15, 2022

Technical Working Party on Testing Methods and Techniques

First Session

Virtual meeting, September 19 to 23, 2022

REVISION OF TEST GUIDELINES*Document prepared by the Office of the Union**Disclaimer: this document does not represent UPOV policies or guidance***EXECUTIVE SUMMARY**

1. The purpose of this document is to present proposals for partial revisions of Test Guidelines to include characteristics from the table of characteristics in the Technical Questionnaires of the following crops:

- Carrot
- Cucumber
- Maize
- Melon
- Rose
- Spinach
- Squash
- Tomato Rootstocks
- Watermelon
- Wheat

2. The TWPs are invited to note that no proposals were received to revise document TGP/7 "Development of Test Guidelines" to clarify the relationship between asterisks in the Test Guidelines and characteristics in the technical questionnaires.

3. The TWV is invited to consider:

(a) the proposals for partial revisions of the Test Guidelines for Maize, Onion and Shallot, Carrot, Spinach, Cucumber, Melon, Squash, Watermelon and Tomato Rootstocks, as set out in paragraph 23 and Annexes I to IX to this document; and

(b) whether to schedule a partial revision of the Test Guidelines for Spinach to include a new characteristic "Seeds: spines (submitted seeds)" in the Table of Characteristics and Technical Questionnaire, for consideration at its fifty-seventh session, to be held in 2023.

4. The TWO is invited to consider the proposal for partial revisions of the Test Guidelines for Rose, as set out in paragraph 23 and Annex X to this document.

5. The TWA is invited to consider the proposals for partial revisions of the Test Guidelines for Maize and Wheat, as set out in paragraph 23 and Annexes I and XI to this document.

6. The structure of this document is as follows:

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ANNEX III	Partial revision of the Test Guidelines for Carrot
ANNEX IV	Partial revision of the Test Guidelines for Spinach
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ANNEX VI	Partial revision of the Test Guidelines for Melon
ANNEX VII	Partial revision of the Test Guidelines for Squash
ANNEX VIII	Partial revision of the Test Guidelines for Watermelon
ANNEX IX	Partial revision of the Test Guidelines for Tomato Rootstocks
ANNEX X	Partial revision of the Test Guidelines for Rose
ANNEX XI	Partial revision of the Test Guidelines for Wheat

7. The following abbreviations are used in this document:

TC:	Technical Committee
TC-EDC:	Enlarged Editorial Committee
TWA:	Technical Working Party for Agricultural Crops
TWC:	Technical Working Party on Automation and Computer Programs
TWF:	Technical Working Party for Fruit Crops
TWM:	Technical Working Party on Testing Methods and Techniques
TWO:	Technical Working Party for Ornamental Plants and Forest Trees
TWPs:	Technical Working Parties
TWV:	Technical Working Party for Vegetables

BACKGROUND

8. The full background to this document is provided document TWP/5/10 “Revision of Test Guidelines”.

Developments at the Technical Committee in 2021

9. The TC, at its fifty-seventh session¹, noted that the following Test Guidelines had been proposed to be partially revised for the inclusion of characteristics in the Technical Questionnaires:

¹ Held via electronic means on October 25 and 26, 2021

- TWV

TG reference	Test Guidelines Common Name
TG/2/7	Maize
TG/13/11	Lettuce
TG/49/8 Corr.	Carrot
TG/55/7 Rev. 5	Spinach
TG/61/7 Rev. 2	Cucumber, Gherkin
TG/104/5 Rev.	Melon
TG/119/4	Vegetable Marrow, Squash
TG/142/5	Watermelon
TG/294/1 Corr. Rev. 2	Tomato Rootstocks

- TWO:

TG reference	Test Guidelines Common Name
TG/11/8 Rev.	Rose

- TWA:

TG reference	Test Guidelines Common Name
TG/2/7	Maize
TG/3/12	Wheat
TG/276/1	Hemp

- TWF:

TG reference	Test Guidelines Common Name
TG/53/7 Rev.	Peach
TG/84/4 Corr. 2 Rev.	Japanese Plum
TG/98/7 Rev. Corr.	Actinidia
TG/187/2	Prunus Rootstocks

10. The TC noted that the TWV had invited interested experts to discuss characteristics for inclusion in the Technical Questionnaires for Carrot, Cucumber, Lettuce, Maize, Melon, Spinach, Squash, Tomato Rootstocks and Watermelon, including any elements of document TGP/7 that might need to be revised.

11. The TC noted that the TWO had invited the expert from the European Union to coordinate discussions to define characteristics for inclusion in the Technical Questionnaire for Rose, including any elements of document TGP/7 that might need revising.

12. The TC noted that a proposal for partial revision of the Test Guidelines for Hemp had been adopted, presented in document TC/57/19.

13. The TC noted that the TWA had invited the expert from the European Union to coordinate discussions among TWA and TWV experts to propose characteristics for inclusion in the Technical Questionnaire for Maize.

14. The TC noted that the TWA had invited the expert from the United Kingdom to coordinate discussions and present a proposal for the revision of the Technical Questionnaire for Wheat.

15. The TC noted that the TWA had invited experts discussing the partial revision of the Test Guidelines for Maize and Wheat to consider whether guidance in document TGP/7 concerning the relationship between asterisks in the Test Guidelines and TQ characteristics should be revised.

16. The TC noted that the proposals for partial revision of the Test Guidelines for Peach, Japanese Plum, Actinidia and Prunus Rootstocks had been adopted, as presented in documents TC/57/20, TC/57/21, TC/57/22 and TC/57/23, respectively.

RELATIONSHIP BETWEEN ASTERISKED, GROUPING AND TQ CHARACTERISTICS

17. Document TGP/7 “Development of Test Guidelines”, GN13, establishes that characteristics in the Technical Questionnaire should, in general, receive an asterisk in the Table of Characteristics and be used as grouping characteristics. Information provided by UPOV members on requested technical questionnaires demonstrates that more characteristics are used in authorities’ technical questionnaires than those currently provided in the Technical Questionnaires of UPOV Test Guidelines.

18. The TWPs, at their sessions in 2021, agreed not to consider the addition of asterisks where the proposed new TQ characteristics do not currently have an asterisk in the table of characteristics and consider the addition of asterisks at the next full revision of the Test Guidelines concerned.

19. The TWPs, at their sessions in 2021, were invited to consider whether to revise the guidance in document TGP/7 “Development of Test Guidelines” concerning the relationship between asterisks in the Test Guidelines and TQ characteristics on the basis of the information received by members of the Union.

20. The Office of the Union received no proposals to clarify the relationship between asterisks in the Test Guidelines and TQ characteristics, as provided in document TGP/7.

21. The TWPs are invited to note that no proposals were received to revise document TGP/7 “Development of Test Guidelines” to clarify the relationship between asterisks in the Test Guidelines and characteristics in the technical questionnaires.

PROPOSALS FOR PARTIAL REVISIONS OF TEST GUIDELINES

22. The TC, at its fifty-seventh session², noted that the following Test Guidelines had been proposed to be partially revised for the inclusion of characteristics in the Technical Questionnaires:

- TWV

TG reference	Test Guidelines Common Name	Annex
TG/2/7	Maize	Annex I
TG/13/11	Lettuce	Annex II
TG/49/8 Corr.	Carrot	Annex III
TG/55/7 Rev. 5	Spinach	Annex IV
TG/61/7 Rev. 2	Cucumber, Gherkin	Annex V
TG/104/5 Rev.	Melon	Annex VI
TG/119/4	Vegetable Marrow, Squash	Annex VII
TG/142/5	Watermelon	Annex VIII
TG/294/1 Corr. Rev. 2	Tomato Rootstocks	Annex IX

- TWO:

TG reference	Test Guidelines Common Name	Annex
TG/11/8 Rev.	Rose	Annex X

- TWA:

TG reference	Test Guidelines Common Name	Annex
TG/2/7	Maize	Annex I
TG/3/12	Wheat	Annex XI

² Held via electronic means on October 25 and 26, 2021

Overview of individual proposals for partial revisions of Test Guidelines

23. The following section provides an overview of the Technical Questionnaires with the addition of proposed characteristics from the table of characteristics. The full proposals in revisions mode are presented in Annexes I to XI of this document. The characteristics from the table of characteristics proposed for inclusion in the Technical Questionnaire are indicated with grey highlighting and underline. Information on whether characteristics have an asterisk (*) in the Table of Characteristics is provided beside each proposal.

Test Guidelines for Maize (document TG/2/7)

Char. No.	(*)	(S)	Characteristic Name	Comments
1		(S)	<u>First leaf: anthocyanin coloration of sheath</u>	Majority of the experts do not support to include it since it is difficult to observe and strongly influenced by the weather.
8	(*)		Tassel: time of anthesis	
9	(*)	(S)	Tassel: anthocyanin coloration at base of glume	
10		(S)	<u>Tassel: anthocyanin coloration of glumes excluding base</u>	
11		(S)	<u>Tassel: anthocyanin coloration of anthers</u>	
14	(*)		<u>Tassel: number of primary lateral branches</u>	
15			<u>Ear: time of silk emergence</u>	
16	(*)	(S)	Ear: anthocyanin coloration of silks	
24.1	(*)		<u>Only inbred lines and varieties with ear type of grain: sweet or pop: Plant: length</u>	Option "not applicable" added
24.2	(*)		<u>Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop: Plant: length</u>	Option "not applicable" added
28	(*)		<u>Ear: length</u>	- To be agreed by the agricultural and vegetable experts, different opinions - Only for sweet or pop?
29			<u>Ear: diameter (in middle)</u>	- To be agreed by the agricultural and vegetable experts, different opinions - Only for sweet or pop?
30			<u>Ear: shape</u>	- To be agreed by the agricultural and vegetable experts, different opinions - Only for sweet or pop?
31			<u>Ear: number of rows of grain</u>	- To be agreed by the agricultural and vegetable experts, different opinions - Only for sweet or pop?
32		(S)	<u>Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains</u>	Option "not applicable" added
33	(*)		<u>Only varieties with ear type of grain: sweet: Grain: intensity of yellow color</u>	Option "not applicable" added
35			<u>Only varieties with ear type of grain: sweet: Grain: width</u>	Option "not applicable" added
36	(*)	(S)	Ear: type of grain	
37	(*)		<u>Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain</u>	Option "not applicable" added
38	(*)	(S)	<u>Ear: color of top of grain</u>	Not supported by one UPOV member

- 39 (*) (S) Excluding varieties with ear type of grain: sweet: Ear: color of dorsal side of grain Option "not applicable" added
- 41 (*) (S) Ear: anthocyanin coloration of glumes of cob
(S) = Segregation

Test Guidelines for Lettuce (document TG/13/8 Rev.)

Char. No.	(*) Characteristic Name	Comments
1	(*) Seed: color	
2	(*) <u>Plant: diameter</u>	
3	(*) <u>Plant: degree of overlapping of upper part of leaves</u>	
6	(*) <u>Leaf: number of divisions</u>	
7	<u>Only varieties with Leaf: number of divisions: absent or very few: Leaf: shape</u>	Option "not applicable" added
11	(*) Leaf: anthocyanin coloration	
12	(*) <u>Leaf: hue of anthocyanin coloration</u>	Option "not applicable" added (see Char. 11)
13	<u>Leaf: area covered by anthocyanin coloration</u>	Option "not applicable" added (see Char. 11)
14	(*) <u>Leaf: color</u>	
15	(*) Leaf: intensity of green color	
18	(*) <u>Leaf: blistering</u>	
20	(*) <u>Leaf: undulation of margin</u>	
22	<u>Leaf: depth of incisions of margin</u>	
25	(*) <u>Leaf: venation</u>	
26	<u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: size</u>	Option "not applicable" added
27	(*) <u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: shape in longitudinal section</u>	Option "not applicable" added
34	<u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Time of harvest maturity</u>	Option "not applicable" added
35	(*) Time of beginning of bolting	
38	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 16EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
39	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 17EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
40	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 20EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
41	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 21EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
42	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 22EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
43	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 23EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
44	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 24EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
45	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 25EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
46	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 26EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5

47	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 27EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
48	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 29EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
49	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 30EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
50	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 31EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
51	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 33EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
52	<u>Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 35EU</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
53	<u>Resistance to Lettuce mosaic virus (LMV) Pathotype II</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
54	<u>Resistance to <i>Nasonovia ribisnigri</i> (Nr) Biotype Nr: 0</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
55	<u>Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lactucae</i> (Fol) Race 1</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5

Test Guidelines for Carrot (document TG/49/8 Corr.)

Char. No.	(*) Characteristic Name	Comment
3	(*) Leaf: length (including petiole)	
5	(*) Leaf: intensity of green color	
6	(*) <u>Leaf: anthocyanin coloration of petiole</u>	
7	(*) Root: length	
8	(*) Root: width	
9	(*) <u>Root: ratio length/width</u>	
10	(*) Root: shape in longitudinal section	
12	(*) Root: shape of shoulder	
13	(*) Root: tip (when fully developed)	
14	(*) Root: external color	
15	<u>Excluding varieties with white external root color:</u> Root: intensity of external color	Option "not applicable" added
16	<u>Root: anthocyanin coloration of skin of shoulder</u>	
19	(*) <u>Root: diameter of core relative to total diameter</u>	
20	(*) Root: color of core	
22	(*) <u>Root: color of cortex</u>	
27	<u>Varieties with blunt tip only:</u> Root: time of development of rounded tip	Option "not applicable" added
28	<u>Root: time of coloration of tip in longitudinal section</u>	
29	<u>Plant: tendency to bolting</u>	
31	(*) Plants: proportion of male sterile plants	
32	(*) Plant: type of male sterility	

Test Guidelines for Spinach (document TG/55/7 Rev. 6)

Char. No.	(*) Characteristic Name	Comments
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1	<u>Seedling: length of cotyledon</u>	
2	(*) <u>Leaf: anthocyanin coloration of petioles and veins</u>	
3	(*) Leaf blade: intensity of green color	
4	(*) Leaf blade: blistering	
7	<u>Petiole: length</u>	
9	(*) <u>Leaf blade: shape (excluding basal lobes)</u>	
11	(*) Leaf blade: shape of apex	
13	(*) Proportion of monoecious plants	
14	(*) Proportion of female plants	
15	(*) Proportion of male plants	
16	(*) Time of start of bolting (for spring sown crops, 15% of plants)	
18.1	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 1</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.2	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 2</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.3	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 3</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.4	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 4</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.5	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 5</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.6	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 6</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.7	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 7</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.8	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 8</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.9	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 10</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.10	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 11</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.11	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 12</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.12	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 13</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.13	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 14</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.14	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 15</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.15	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 16</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
18.16	<u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 17</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
19	<u>Resistance to Cucumber mosaic virus (CMV)</u>	Currently in TQ 7 <u>without</u> option "Not tested"; "Not tested" added to TQ 5 (no (*))

24. During discussions for partial revision of the Technical Questionnaire for Spinach, experts identified a new characteristic for possible inclusion in the Table of Characteristic of the Test Guidelines to read: "Seeds:

spines (submitted seeds)". In case agreed, the proposal would be considered by the TWV for inclusion in the Table of Characteristics and Technical Questionnaire of the Test Guidelines for Spinach at its fifty-seventh session, to be held in 2023.

Test Guidelines for Cucumber Gherkin (document TG/61/7 Rev. 2 Corr. 2)

Char. No.	(*)	Characteristic Name	Comments
1	(*)	Cotyledon: bitterness	
2	(*)	<u>Plant: growth type</u>	
5		<u>Leaf blade: length</u>	
8		<u>Leaf blade: intensity of green color</u>	
13	(*)	Plant: sex expression	
14		<u>Plant: number of female flowers per node</u>	
15	(*)	Ovary: color of vestiture	
16	(*)	Parthenocarpy	
17	(*)	Fruit: length	
18		<u>Fruit: diameter</u>	
22	(*)	Fruit: shape of stem end	
23		<u>Only necked varieties: Fruit: length of neck</u>	Option "not applicable" added
25	(*)	Fruit: ground color of skin at market stage	
26		<u>Excluding white varieties: Fruit: intensity of ground color of skin (as for 25)</u>	Option "not applicable" added
27	(*)	<u>Fruit: ribs</u>	
29	(*)	<u>Fruit: creasing</u>	
30		<u>Fruit: degree of creasing</u>	Option "not applicable" added
31	(*)	Fruit: type of vestiture	
32		<u>Fruit: density of vestiture</u>	
35		<u>Fruit: size of warts</u>	
36		<u>Fruit: length of stripes</u>	
37	(*)	<u>Fruit: dots</u>	
44		Resistance to <i>Cladosporium cucumerinum</i> (Ccu)	
45		Resistance to <i>Cucumber mosaic virus</i> (CMV)	
46		Resistance to Powdery mildew (<i>Podosphaera xanthii</i>) (Px)	
47		<u>Resistance to Downy mildew (<i>Pseudoperonospora cubensis</i>) (Pcu)</u>	Option "not tested" added
48		Resistance to <i>Corynespora</i> blight and target leaf spot (<i>Corynespora cassicola</i>) (Cca)	
49		Resistance to <i>Cucumber vein yellowing virus</i> (CVYV)	
50		<u>Resistance to <i>Zucchini yellow mosaic virus</i> (ZYMV)</u>	Option "not tested" added
51		<u>Resistance to <i>Cucurbit yellow stunting disorder virus</i> (CYSDV)</u>	Option "not tested" added

Test Guidelines for Melon (document TG/104/5 Rev. 2)

Char. No.	(*)	Characteristic Name	Comments
12	(*)	Inflorescence: sex expression (at full flowering)	
13		<u>Young fruit: hue of green color of skin</u>	
14	(*)	<u>Young fruit: intensity of green color of skin</u>	
24	(*)	<u>Fruit: length</u>	
25	(*)	<u>Fruit: diameter</u>	
28	(*)	Fruit: shape in longitudinal section	
29	(*)	Fruit: ground color of skin	

31	<u>Fruit: hue of ground color of skin</u>	
32	<u>Fruit: density of dots</u>	
36	(*) Fruit: density of patches	
38	(*) Fruit: warts	
43	(*) Fruit: grooves	
45	<u>Fruit: depth of grooves</u>	
47	(*) <u>Fruit: creasing of surface</u>	
48	(*) Fruit: cork formation	
49	(*) <u>Fruit: thickness of cork layer</u>	Add option "not applicable" (48 absent)
50	(*) Fruit: pattern of cork formation	Add option "not applicable" (48 absent)
51	(*) Fruit: density of pattern of cork formation	Add option "not applicable" (48 absent)
54	(*) Fruit: main color of flesh	
60	(*) Seed: length	
62	<u>Seed: shape</u>	
63	(*) Seed: color	
65	<u>Time of male flowering</u>	
66	<u>Time of female flowering</u>	
67	<u>Time of ripening</u>	
68	(*) Shelf life of fruit	
69.1	(*) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>Melonis</i> Race 0	
69.2	(*) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>Melonis</i> Race 1	
69.3	(*) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>Melonis</i> Race 2	
69.4	<u>Resistance to <i>Fusarium oxysporum</i> f. sp. <i>Melonis</i> Race 1.2</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
70.1	<u>Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) Race 1</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
70.2	<u>Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) Race 2</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
70.3	<u>Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) Race 3</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
70.4	<u>Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) Race 5</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
70.5	<u>Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) Race 3-5</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
71	<u>Resistance to <i>Golovinomyces cichoracearum</i> (<i>Erysiphe cichoracearum</i>) Race 1 (Powdery mildew)</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
72	<u>Resistance to colonization by <i>Aphis gossypii</i></u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
73	<u>Resistance to Zucchini yellow mosaic virus (ZYMV)</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
74.1	<u>Resistance to Papaya ringspot virus (PRSV) Guadeloupe strain</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
74.2	<u>Resistance to Papaya ringspot virus (PRSV) E2 strain</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5
75	<u>Resistance to Melon necrotic spot virus (MNSV) Strain 0 (MNSV: 0)</u>	Currently in TQ 7 with option "Not tested"; "Not tested" added to TQ 5

76

Resistance to Cucumber mosaic virus (CMV)

Currently in TQ 7 with option
"Not tested"; "Not tested"
added to TQ 5

Test Guidelines for Squash, Vegetable Marrow (document TG/119/4 Corr. 2)

Char. No.	(*)	Characteristic Name	
		Types of edible varieties: Fruit: type	
4	(*)	Plant: growth habit	
5	(*)	Plant: branching	
8	(*)	<u>Stem: color</u>	
9		<u>Stem: intensity of green color</u>	
13	(*)	<u>Leaf blade: incisions</u>	
15	(*)	Leaf blade: silvery patches	
16		<u>Leaf blade: relative area covered by silvery patches</u>	
17		<u>Petiole: length</u>	
26		<u>Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape</u>	Option "not applicable" added
27	(*)	<u>Young fruit: main color of skin (excluding color of ribs or grooves)</u>	
29		<u>Only varieties with green color of skin: Young fruit: intensity of green color of skin (as for 27)</u>	Option "not applicable" added
30	(*)	<u>Fruit: general shape</u>	
31.1	(*)	<u>Only Scallop type varieties: Fruit: length</u>	Option "not applicable" added
31.2	(*)	<u>Only Acorn type varieties: Fruit: length</u>	Option "not applicable" added
31.3	(*)	<u>Only Neck type varieties: Fruit: length</u>	Option "not applicable" added
31.4	(*)	<u>Only Zucchini type varieties: Fruit: length</u>	Option "not applicable" added
32.1		<u>Only Scallop type varieties: Fruit: maximum diameter</u>	Option "not applicable" added
32.2		<u>Only Acorn type varieties: Fruit: maximum diameter</u>	Option "not applicable" added
32.3		<u>Only Zucchini type varieties: Fruit: maximum diameter</u>	Option "not applicable" added
34.1	(*)	<u>Only Pumpkin type varieties: Fruit: size</u>	Option "not applicable" added
34.2	(*)	<u>Only Rondini type varieties: Fruit: size</u>	Option "not applicable" added
46	(*)	<u>Fruit: grooves</u>	
50	(*)	Fruit: main color of skin (excluding color of dots, patches, stripes and bands)	
51		<u>Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50)</u>	Option "not applicable" added
52		<u>Only varieties with green color of skin: Fruit: intensity of green color of skin (as for 50)</u>	Option "not applicable" added
54		<u>Fruit: stripes in grooves</u>	
57		<u>Fruit: dots</u>	
59		<u>Fruit: secondary green color between ribs (excluding dots)</u>	
61		<u>Fruit: distribution of secondary green color between ribs</u>	
69	(*)	<u>Ripe fruit: main color of skin (excluding color of mottles, patches, stripes and bands)</u>	
71	(*)	<u>Ripe fruit: secondary color of skin (as for 69)</u>	
74	(*)	<u>Ripe fruit: color of flesh</u>	

Test Guidelines for Watermelon (document TG/142/5 Rev.)

Char. No.	(*)	Characteristic Name	Comment
1	(*)	Ploidy	

8	(*)	<u>Leaf blade: degree of lobing</u>	
11	(*)	Fruit: weight	
12	(*)	Fruit: shape in longitudinal section	
16	(*)	Fruit: ground color of skin	
18	(*)	<u>Fruit: pattern of stripes</u>	
19	(*)	Fruit: width of stripes	
20		<u>Fruit: main color of stripes</u>	
21	(*)	<u>Fruit: conspicuousness of stripes</u>	
22	(*)	Fruit: margin of stripes	
27	(*)	<u>Fruit: thickness of pericarp</u>	
28	(*)	Fruit: main color of flesh	
29		<u>Only triploid varieties: Seed coat: size</u>	Option "not applicable" added
31	(*)	<u>Only diploid and tetraploid varieties: Seed: length</u>	Option "not applicable" added
33	(*)	<u>Only diploid and tetraploid varieties: Seed: ground color of testa</u>	Option "not applicable" added
36		<u>Time of female flowering</u>	
37.1		<u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 0</u>	no (*), option "not tested" added
37.2		<u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 1</u>	no (*), option "not tested" added
37.3		<u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 2</u>	no (*), option "not tested" added
38.1		<u>Resistance to <i>Colletotrichum orbiculare</i> – Race 1</u>	no (*), option "not tested" added

Test Guidelines for Tomato Rootstocks (document TG/294/1 Corr. Rev. 3)

Char. No.	(*)	Characteristic Name	
2		<u>Plant: height</u>	
8	(*)	<u>Leaf: intensity of green color</u>	
11	(*)	Fruit: green shoulder	Check whether to add option "not applicable" (char. 16 state 1 "not developed or very small")
14		<u>Fruit: conspicuousness of meridian stripes</u>	Check whether to add option "not applicable" (char. 16 state 1 "not developed or very small")
16	(*)	<u>Fruit: size</u>	
17	(*)	Fruit: shape in longitudinal section	Check whether to add option "not applicable" (char. 16 state 1 "not developed or very small")
18	(*)	Fruit: number of locules	Check whether to add option "not applicable" (char. 16 state 1 "not developed or very small")
19	(*)	Fruit: color at maturity	Check whether to add option "not applicable" (char. 16 state 1 "not developed or very small")
21	(*)	<u>Autonecrosis</u>	
22	(*)	Resistance to <i>Meloidogyne incognita</i> (Mi)	
23	(*)	Resistance to <i>Verticillium</i> sp. (Va and Vd) – Race 0	
24.1	(*)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) – Race 0EU/1US	
24.2	(*)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol)– Race 1EU/2US	

24.3	(*)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol)– Race 2EU/3US	
25	(*)	Resistance to <i>Fusarium oxysporum</i> f. sp. <i>radicis-lycopersici</i> (Forl)	
26.1		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Race 0</u>	no (*), option “not tested” added
26.2		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group A</u>	no (*), option “not tested” added
26.3		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group B</u>	no (*), option “not tested” added
26.4		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group C</u>	no (*), option “not tested” added
26.5		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group D</u>	no (*), option “not tested” added
26.6		<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group E</u>	no (*), option “not tested” added
27.1		<u>Resistance to Tomato mosaic virus (ToMV) – Strain 0</u>	no (*), option “not tested” added
27.2		<u>Resistance to Tomato mosaic virus (ToMV) – Strain 1</u>	no (*), option “not tested” added
27.3		<u>Resistance to Tomato mosaic virus (ToMV) – Strain 2</u>	no (*), option “not tested” added
28		<u>Resistance to <i>Pyrenochaeta lycopersici</i> (Pl)</u>	no (*), option “not tested” added
29		<u>Resistance to <i>Stemphylium</i> spp. (Ss)</u>	no (*), option “not tested” added
30		<u>Resistance to Tomato yellow leaf curl virus (TYLCV)</u>	no (*), option “not tested” added
31		<u>Resistance to Tomato spotted wilt virus (TSWV)</u>	no (*), option “not tested” added
32		<u>Resistance to <i>Oidium neolycopersici</i> (On)</u>	no (*), option “not tested” added

Test Guidelines for Rose (document TG/11/8 Rev.)

25. The proposal for partial revision of the Technical Questionnaire for Rose contains a proposal for deletion of a characteristic, which is indicated in highlight and ~~strike through~~.

Char. No.	(*)	Characteristic Name
1	(*)	Plant: growth type
6		<u>Stem: number of prickles (excluding very small and hair-like prickles)</u>
7		<u>Prickles: predominant color (as for 6)</u>
21	(*)	Flower: type
22	(*)	<u>Flower: number of petals</u>
23	(*)	Flower: color group
26	(*)	Flower: diameter
27	(*)	<u>Flower: shape</u>
30		<u>Flower: fragrance</u>
40	(*)	Petal: number of colors on inner side (basal spot excluded)
50	(*)	Petal: main color on the outer side (only if clearly different from inner side)

Test Guidelines for Wheat (document TG/3/12)

Char. No.	(*)	Characteristic Name
1		<u>Seed: color</u>
7	(*)	Time of ear emergence
10	(*)	<u>Ear: glaucosity</u>
12	(*)	Lower glume: hairiness on external surface

- 13 (*) Plant: length
- 14 (*) Straw: pith in cross section
- 17 (*) Ear: scurs or awns
- 19 (*) Ear: color
- 20 Ear: shape in profile
- 27 (*) Seasonal type

26. *The TWV is invited to consider:*

(a) the proposals for partial revisions of the Test Guidelines for Maize, Onion and Shallot, Carrot, Spinach, Cucumber, Melon, Squash, Watermelon and Tomato Rootstocks, as set out in paragraph 25 and Annexes I to IX to this document; and

(b) whether to schedule a partial revision of the Test Guidelines for Spinach to include a new characteristic "Seeds: spines (submitted seeds)" in the Table of Characteristics and Technical Questionnaire, for consideration at its fifty-seventh session, to be held in 2023.

27. *The TWO is invited to consider the proposal for partial revisions of the Test Guidelines for Rose, as set out in paragraph 23 and Annex X to this document.*

28. *The TWA is invited to consider the proposals for partial revisions of the Test Guidelines for Maize and Wheat, as set out in paragraph 23 and Annexes I and XI to this document.*

[Annex I follows]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
Characteristics	Example Varieties	Note	
5.2.3 (9) Tassel: anthocyanin coloration at base of glume			
absent or very weak	Royalty (SC), W117	1[]	
<u>very weak to weak</u>		<u>2[]</u>	
weak	Boston (SC), F66	3[]	
<u>weak to medium</u>		<u>4[]</u>	
medium	F107	5[]	
<u>medium to strong</u>		<u>6[]</u>	
strong	EP1	7[]	
<u>strong to very strong</u>		<u>8[]</u>	
very strong		9[]	
5.4 (10) Tassel: anthocyanin coloration of glumes excluding base			
<u>absent or very weak</u>	<u>Empire (SC), F259</u>	<u>1[]</u>	
<u>very weak to weak</u>		<u>2[]</u>	
<u>weak</u>	<u>F2, Royalty (SC)</u>	<u>3[]</u>	
<u>weak to medium</u>		<u>4[]</u>	
<u>medium</u>	<u>Centurion (SC), WD36</u>	<u>5[]</u>	
<u>medium to strong</u>		<u>6[]</u>	
<u>strong</u>	<u>W79A</u>	<u>7[]</u>	
<u>strong to very strong</u>		<u>8[]</u>	
<u>very strong</u>		<u>9[]</u>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
Characteristics	Example Varieties	Note	
5.5 Tassel: anthocyanin coloration of anthers			
(11)			
absent or very weak	A654, Empire (SC)	1f 1	
very weak to weak		2f 1	
weak	F2, Royalty (SC)	3f 1	
weak to medium		4f 1	
medium	Centurion (SC), W182E	5f 1	
medium to strong		6f 1	
strong		7f 1	
strong to very strong		8f 1	
very strong		9f 1	
5.6 Tassel: number of primary lateral branches			
(14)			
absent or very few	F7	1f 1	
very few to few		2f 1	
few	F252, Mv. Aranyos (SC)	3f 1	
few to medium		4f 1	
medium	F244, Kokanee (SC)	5f 1	
medium to many		6f 1	
many	A188, Zenith (SC)	7f 1	
many to very many		8f 1	
very many	Suregold (SC)	9f 1	
5.7 Ear: time of silk emergence			
(15)			
very early	Mv. Aranyos (SC)	1f 1	
very early to early	KW1069, Spirit (SC)	2f 1	
early	Champ (SC), F257	3f 1	
early to medium	F259, Royalty (SC)	4f 1	
medium	Bonus (SC), F522	5f 1	
medium to late	A632	6f 1	
late	B73	7f 1	
late to very late	AM1513	8f 1	
very late		9f 1	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
Characteristics	Example Varieties	Note	
<p>5.3 g Ear: anthocyanin coloration of silks (16)</p> <p>absent or very weak</p> <p><u>very weak to weak</u></p> <p>weak</p> <p><u>weak to medium</u></p> <p>medium</p> <p><u>medium to strong</u></p> <p>strong</p> <p><u>strong to very strong</u></p> <p>very strong</p>	<p>Bonus (SC), F7, F195</p> <p>El Toro (SC), F257</p> <p>F244, Gyöngymazsola (SC)</p> <p>W401</p>	<p>1[]</p> <p>2[]</p> <p>3[]</p> <p>4[]</p> <p>5[]</p> <p>6[]</p> <p>7[]</p> <p>8[]</p> <p>9[]</p>	
<p>5.4 g i Only inbred lines and varieties with ear type of grain: sweet or pop: Plant: length (24.1)</p> <p>very short</p> <p><u>very short to short</u></p> <p>short</p> <p><u>short to medium</u></p> <p>medium</p> <p><u>medium to long</u></p> <p>long</p> <p><u>long to very long</u></p> <p>very long</p> <p><u>not applicable</u></p>	<p>F7</p> <p>W117, Spirit (SC)</p> <p>F244, Puma (SC)</p> <p>Royalty (SC), WD36</p> <p>Enterprise (SC)</p>	<p>1[]</p> <p>2[]</p> <p>3[]</p> <p>4[]</p> <p>5[]</p> <p>6[]</p> <p>7[]</p> <p>8[]</p> <p>9[]</p> <p>[]</p>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.4.9 ii Only hybrids and open-pollinated varieties, excluding varieties with ear type of (24.2) <u>grain: sweet or pop</u>: Plant: length		
very short		1[]
<u>very short to short</u>		2[]
short	PR39D23	3[]
<u>short to medium</u>		4[]
medium	PR37Y12	5[]
<u>medium to long</u>		6[]
long	DKC5166	7[]
<u>long to very long</u>		8[]
very long		9[]
<u>not applicable</u>		[]
5.10 Ear: length (28)		
<u>very short</u>		1[]
<u>very short to short</u>		2[]
short	F2	3[]
<u>short to medium</u>		4[]
<u>medium</u>	A654, Spirit (SC)	5[]
<u>medium to long</u>		6[]
<u>long</u>	Empire (SC), MO17	7[]
<u>long to very long</u>		8[]
<u>very long</u>		9[]
5.11 Ear: diameter (in middle) (29)		
<u>very small</u>		1[]
<u>very small to small</u>		2[]
small	F7	3[]
<u>small to medium</u>		4[]
<u>medium</u>	W117	5[]
<u>medium to large</u>		6[]
large	Centurion (SC), F481	7[]
<u>large to very large</u>		8[]
<u>very large</u>	Empire (SC)	9[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.12 (30)	Ear: shape		
	conical	F16, Wombat (SC)	1 []
	conico-cylindrical	Centurion (SC), F816	2 []
	cylindrical	F66, GH2547 (SC)	3 []
5.13 (31)	Ear: number of rows of grain		
	very few		1 []
	very few to few		2 []
	few	F257	3 []
	few to medium		4 []
	medium	Dessert 73 (SC), F16	5 []
	medium to many		6 []
	many	B73, Bonus (SC)	7 []
	many to very many		8 []
	very many		9 []
5.14 (32)	Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains		
	one	Jubilee (SC)	1 []
	two	Eolrukchal-ilho, Serendipity (SC)	2 []
	not applicable		[]
5.15 (33)	Only varieties with ear type of grain: sweet: Grain: intensity of yellow color		
	very light		1 []
	very light to light		2 []
	light	Gyöngymazsola (SC)	3 []
	light to medium		4 []
	medium	Royalty (SC)	5 []
	medium to dark		6 []
	dark	Kokanee (SC)	7 []
	dark to very dark		8 []
	very dark		9 []
	not applicable		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
<p>5.16 (35) Only varieties with ear type of grain: sweet: Grain: width</p> <p><u>very narrow</u></p> <p><u>very narrow to narrow</u></p> <p><u>narrow</u></p> <p><u>narrow to medium</u></p> <p><u>medium</u></p> <p><u>medium to broad</u></p> <p><u>broad</u></p> <p><u>broad to very broad</u></p> <p><u>very broad</u></p> <p><u>not applicable</u></p>	<p><u>Bonus (SC)</u></p> <p><u>Jubilee (SC)</u></p> <p><u>Mv. Aranyos (SC)</u></p>	<p>1 []</p> <p>2 []</p> <p>3 []</p> <p>4 []</p> <p>5 []</p> <p>6 []</p> <p>7 []</p> <p>8 []</p> <p>9 []</p> <p>[]</p>
<p>5.5 17 (36) Ear: type of grain</p> <p>flint</p> <p>flint-like</p> <p>intermediate</p> <p>dent-like</p> <p>dent</p> <p>sweet</p> <p>pop</p> <p>waxy</p> <p>flour</p>	<p>F2</p> <p>F252</p> <p>F107</p> <p>A654</p> <p>W182E</p> <p>Jubilee (SC)</p> <p>Iowa Pop (PC)</p>	<p>1 []</p> <p>2 []</p> <p>3 []</p> <p>4 []</p> <p>5 []</p> <p>6 []</p> <p>7 []</p> <p>8 []</p> <p>9 []</p>
<p>5.18 (37) Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain</p> <p><u>weak</u></p> <p><u>weak to medium</u></p> <p><u>medium</u></p> <p><u>medium to strong</u></p> <p><u>strong</u></p> <p><u>not applicable</u></p>	<p><u>Zarja (SC)</u></p> <p><u>Merkur (SC)</u></p> <p><u>Dessert 73 (SC)</u></p>	<p>1 []</p> <p>2 []</p> <p>3 []</p> <p>4 []</p> <p>5 []</p> <p>[]</p>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
<p>5.19 (38) <u>Ear: color of top of grain</u></p> <p><u>white</u></p> <p><u>yellowish white</u></p> <p><u>yellow</u></p> <p><u>yellow orange</u></p> <p><u>orange</u></p> <p><u>red orange</u></p> <p><u>red</u></p> <p><u>purple</u></p> <p><u>brownish</u></p> <p><u>blue black</u></p>	<p><u>A188, Pure white (SC), Snowbelle (SC)</u></p> <p><u>F259</u></p> <p><u>F2, Gyöngymazsola (SC)</u></p> <p><u>F257, GH 2547 (SC)</u></p> <p><u>Dynasty (SC)</u></p> <p><u>Zenith (SC)</u></p> <p><u>Miheukchal</u></p>	<p><u>1 []</u></p> <p><u>2 []</u></p> <p><u>3 []</u></p> <p><u>4 []</u></p> <p><u>5 []</u></p> <p><u>6 []</u></p> <p><u>7 []</u></p> <p><u>8 []</u></p> <p><u>9 []</u></p> <p><u>10 []</u></p>
<p>5.6 20 (39) <u>Excluding varieties with ear type of grain: sweet: Ear: color of dorsal side of grain</u></p> <p><u>white</u></p> <p><u>yellowish white</u></p> <p><u>yellow</u></p> <p><u>yellow orange</u></p> <p><u>orange</u></p> <p><u>red orange</u></p> <p><u>red</u></p> <p><u>purple</u></p> <p><u>brownish</u></p> <p><u>blue black</u></p> <p><u>not applicable</u></p>	<p><u>F481</u></p> <p><u>A188</u></p> <p><u>F66</u></p> <p><u>EP1</u></p>	<p><u>1 []</u></p> <p><u>2 []</u></p> <p><u>3 []</u></p> <p><u>4 []</u></p> <p><u>5 []</u></p> <p><u>6 []</u></p> <p><u>7 []</u></p> <p><u>8 []</u></p> <p><u>9 []</u></p> <p><u>10 []</u></p> <p><u>[]</u></p>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
Characteristics		Example Varieties	Note
5.7 21 Ear: anthocyanin coloration of glumes of cob (41)			
absent or very weak	F2, F257	1 []	
<u>very weak to weak</u>		<u>2 []</u>	
weak	F252	3 []	
<u>weak to medium</u>		<u>4 []</u>	
medium	W117	5 []	
<u>medium to strong</u>		<u>6 []</u>	
strong	A632	7 []	
<u>strong to very strong</u>		<u>8 []</u>	
very strong		9 []	

[Annex II follows]

Test Guidelines for Lettuce (document TG/13/11 Rev.)

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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 Seed: color (1)			
white	Verpia	1 []	
yellow	Durango	2 []	
brown	Oaklin	3 []	
black	Kagraner Sommer 2	4 []	
5.2 Plant: diameter (2)			
<u>very small</u>	<u>Tom Thumb</u>	<u>1 []</u>	
<u>very small to small</u>		<u>2 []</u>	
<u>small</u>	<u>Gotte à graine blanche</u>	<u>3 []</u>	
<u>small to medium</u>		<u>4 []</u>	
<u>medium</u>	<u>Clarion, Verpia</u>	<u>5 []</u>	
<u>medium to large</u>		<u>6 []</u>	
<u>large</u>	<u>Great Lakes 659</u>	<u>7 []</u>	
<u>large to very large</u>		<u>8 []</u>	
<u>very large</u>	<u>El Toro</u>	<u>9 []</u>	
5.3 Plant: degree of overlapping of upper part of leaves (3)			
<u>absent or weak</u>	<u>Actarus, Aquarel, Blonde à couper améliorée, Curtis, Lollo rossa</u>	<u>1 []</u>	
<u>medium</u>	<u>Augusta, Clarion, Fiorella</u>	<u>2 []</u>	
<u>strong</u>	<u>Roxette, Vanguard 75</u>	<u>3 []</u>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.4 (6) Leaf: number of divisions		
<u>absent or very few</u>	<u>Fiorella, Lollo rossa</u>	1 []
<u>very few to few</u>		2 []
<u>few</u>	<u>Curletta, Rodagio</u>	3 []
<u>few to medium</u>		4 []
<u>medium</u>	<u>Ezabel, Jadigon</u>	5 []
<u>medium to many</u>		6 []
<u>many</u>	<u>Expedition, Multired 54</u>	7 []
<u>many to very many</u>		8 []
<u>very many</u>	<u>Excite, Ezfrill, Telex</u>	9 []
5.5 (7) Only varieties with Leaf: number of divisions: absent or very few: Leaf: shape		
<u>triangular</u>		1 []
<u>lanceolate</u>	<u>Qingyuanewoju</u>	2 []
<u>medium oblate</u>	<u>Stylist</u>	3 []
<u>narrow oblate</u>	<u>Commodore, Fiorella</u>	4 []
<u>circular</u>	<u>Verpia</u>	5 []
<u>broad elliptic</u>	<u>Amadeus</u>	6 []
<u>medium elliptic</u>	<u>Xanadu</u>	7 []
<u>narrow elliptic</u>	<u>Verte maraîchère</u>	8 []
<u>linear</u>	<u>Hongwoju</u>	9 []
<u>broad obtrullate</u>		10 []
<u>obovate</u>	<u>Raisa</u>	11 []
<u>oblanceolate</u>	<u>Xiangshengcai</u>	12 []
<u>not applicable</u>		[]
5.2.6 (11) Leaf: anthocyanin coloration		
<u>absent or very weak</u>	<u>Clarion</u>	1 []
<u>very weak to weak</u>		2 []
<u>weak</u>	<u>Du bon jardinier</u>	3 []
<u>weak to medium</u>		4 []
<u>medium</u>	<u>Lollo rossa, Luana</u>	5 []
<u>medium to strong</u>		6 []
<u>strong</u>	<u>Merveille des quatre saisons</u>	7 []
<u>strong to very strong</u>		8 []
<u>very strong</u>	<u>Iride, Revolution</u>	9 []

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.7 (12) Leaf: hue of anthocyanin coloration		
<u>reddish</u>	<u>Lollo rossa</u>	1 []
<u>purplish</u>	<u>Iride</u>	2 []
<u>brownish</u>	<u>Luana, Maravilla de Verano</u>	3 []
<u>not applicable</u>		[]
5.8 (13) Leaf: area covered by anthocyanin coloration		
<u>very small</u>	<u>Steirer Krauthauptel</u>	1 []
<u>very small to small</u>		2 []
<u>small</u>	<u>Diablo</u>	3 []
<u>small to medium</u>		4 []
<u>medium</u>	<u>Luana</u>	5 []
<u>medium to large</u>		6 []
<u>large</u>	<u>Merveille des quatre saisons</u>	7 []
<u>large to very large</u>		8 []
<u>very large</u>	<u>Bijou, Revolution</u>	9 []
<u>not applicable</u>		[]
5.9 (14) Leaf: color		
<u>green</u>	<u>Verpia</u>	1 []
<u>yellowish green</u>	<u>Dorée de printemps</u>	2 []
<u>greyish green</u>	<u>Celtuce, Du bon jardinier</u>	3 []
5.3 10 (15) Leaf: intensity of green color		
<u>very light</u>		1 []
<u>very light to light</u>		2 []
<u>light</u>	<u>Blonde maraîchère, Lollo Bionda</u>	3 []
<u>light to medium</u>		4 []
<u>medium</u>	<u>Aquarel, Clarion</u>	5 []
<u>medium to dark</u>		6 []
<u>dark</u>	<u>Expedition, Verpia</u>	7 []
<u>dark to very dark</u>		8 []
<u>very dark</u>	<u>Pascal, Verdatrix</u>	9 []

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Characteristics	Example Varieties	Note
5.11 Leaf: blistering (18)		
<u>absent or very weak</u>	<u>Duplex, Sartre</u>	1 []
<u>very weak to weak</u>		2 []
<u>weak</u>	<u>Fiorella</u>	3 []
<u>weak to medium</u>		4 []
<u>medium</u>	<u>Commodore</u>	5 []
<u>medium to strong</u>		6 []
<u>strong</u>	<u>Blonde de Paris, Xanadu</u>	7 []
<u>strong to very strong</u>		8 []
<u>very strong</u>	<u>Blonde de Doulon, Iride, Karioka</u>	9 []
5.12 Leaf: undulation of margin (20)		
<u>absent or very weak</u>	<u>Tiago</u>	1 []
<u>very weak to weak</u>		2 []
<u>weak</u>	<u>Commodore</u>	3 []
<u>weak to medium</u>		4 []
<u>medium</u>	<u>Noisette, Pentared</u>	5 []
<u>medium to strong</u>		6 []
<u>strong</u>	<u>Calmar, Invicta</u>	7 []
<u>strong to very strong</u>		8 []
<u>very strong</u>	<u>Lollo rossa</u>	9 []
5.13 Leaf: depth of incisions of margin (22)		
<u>absent or very shallow</u>	<u>Actarus, Clarion, Tiago</u>	1 []
<u>very shallow to shallow</u>		2 []
<u>shallow</u>	<u>Pentared, Unicum</u>	3 []
<u>shallow to medium</u>		4 []
<u>medium</u>	<u>Santarinas</u>	5 []
<u>medium to deep</u>		6 []
<u>deep</u>	<u>Expedition</u>	7 []
<u>deep to very deep</u>		8 []
<u>very deep</u>		9 []
5.14 Leaf: venation (25)		
<u>not flabellate</u>	<u>Verpia, Xanadu</u>	1 []
<u>semi-flabellate</u>	<u>Kibrille, Murai</u>	2 []
<u>flabellate</u>	<u>Locarno, Roxette</u>	3 []

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.15 (26) <u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: size</u>		
<u>very small</u>	<u>Tom Thumb</u>	1 []
<u>very small to small</u>		2 []
<u>small</u>	<u>Xanadu</u>	3 []
<u>small to medium</u>		4 []
<u>medium</u>	<u>Fiorella, Soraya</u>	5 []
<u>medium to large</u>		6 []
<u>large</u>	<u>Great Lakes 659</u>	7 []
<u>large to very large</u>		8 []
<u>very large</u>	<u>Blonde maraîchère, El Toro</u>	9 []
<u>not applicable</u>		[]
5.16 (27) <u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: shape in longitudinal section</u>		
<u>narrow elliptic</u>	<u>Verte maraîchère</u>	1 []
<u>broad elliptic</u>	<u>Amadeus, Sucrine</u>	2 []
<u>circular</u>	<u>Verpia</u>	3 []
<u>narrow oblate</u>	<u>Ametist</u>	4 []
<u>not applicable</u>		[]
5.17 (34) <u>Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Time of harvest maturity</u>		
<u>very early</u>	<u>Gotte jaune d'or</u>	1 []
<u>very early to early</u>		2 []
<u>early</u>	<u>Pantlika, Sucrine</u>	3 []
<u>early to medium</u>		4 []
<u>medium</u>	<u>Clarion</u>	5 []
<u>medium to late</u>		6 []
<u>late</u>	<u>Blonde maraîchère, Calmar</u>	7 []
<u>late to very late</u>		8 []
<u>very late</u>	<u>El Toro, Pinokkio</u>	9 []
<u>not applicable</u>		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.4 18 (35) Time of beginning of bolting		
very early	Blonde à couper améliorée	1 []
very early to early		2 []
early	Gotte à graine blanche	3 []
early to medium		4 []
medium	Pantlika	5 []
medium to late		6 []
late	Hilde II	7 []
late to very late		8 []
very late	Erika, Roxette	9 []
5.19 (38) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 16EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>Argelès</u>	9 []
<u>not tested</u>		[]
5.20 (39) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 17EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>Argelès</u>	9 []
<u>not tested</u>		[]
5.21 (40) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 20EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>FrRsal-1</u>	9 []
<u>not tested</u>		[]
5.22 (41) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 21EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>Argelès, Colorado</u>	9 []
<u>not tested</u>		[]
5.23 (42) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 22EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>FrRsal-1</u>	9 []
<u>not tested</u>		[]
5.24 (43) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 23EU		
<u>absent</u>	<u>Green Towers</u>	1 []
<u>present</u>	<u>Colorado</u>	9 []
<u>not tested</u>		[]

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Characteristics	Example Varieties	Note
5.25 (44) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 24EU		
<u>absent</u>	<u>Argelès, Colorado</u>	1 []
<u>present</u>	<u>Dandie, NunDm15, UCDm14</u>	9 []
<u>not tested</u>		[]
5.26 (45) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 25EU		
<u>absent</u>	<u>Colorado</u>	1 []
<u>present</u>	<u>Argelès</u>	9 []
<u>not tested</u>		[]
5.27 (46) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 26EU		
<u>absent</u>	<u>Colorado</u>	1 []
<u>present</u>	<u>Balesta, Bedford</u>	9 []
<u>not tested</u>		[]
5.28 (47) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 27EU		
<u>absent</u>	<u>Balesta, Colorado</u>	1 []
<u>present</u>	<u>FrRsal-1</u>	9 []
<u>not tested</u>		[]
5.29 (48) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 29EU		
<u>absent</u>	<u>Argelès</u>	1 []
<u>present</u>	<u>Balesta</u>	9 []
<u>not tested</u>		[]
5.30 (49) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 30EU		
<u>absent</u>	<u>Argelès, Colorado</u>	1 []
<u>present</u>	<u>Balesta</u>	9 []
<u>not tested</u>		[]
5.31 (50) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 31EU		
<u>absent</u>	<u>Colorado, RYZ910457</u>	1 []
<u>present</u>	<u>Argelès, Balesta</u>	9 []
<u>not tested</u>		[]
5.32 (51) Resistance to <i>Bremia lactucae</i> (BI) Isolate BI: 33EU		
<u>absent</u>	<u>Kibrille, RYZ2164</u>	1 []
<u>present</u>	<u>RYZ910457</u>	9 []
<u>not tested</u>		[]

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Characteristics	Example Varieties	Note
<u>5.33</u> <u>Resistance to <i>Bremia lactucae</i> (Bl) Isolate Bl: 35EU</u> <u>(52)</u>		
<u>absent</u>	<u>Design, Kibrille</u>	<u>1 []</u>
<u>present</u>	<u>Bartoli</u>	<u>9 []</u>
<u>not tested</u>		<u>[]</u>
<u>5.34</u> <u>Resistance to <i>Lettuce mosaic virus</i> (LMV) Pathotype II</u> <u>(53)</u>		
<u>absent</u>	<u>Bijou, Hilde II, Sprinter, Sucrine</u>	<u>1 []</u>
<u>present</u>	<u>Capitan, Corsica</u>	<u>9 []</u>
<u>not tested</u>		<u>[]</u>
<u>5.35</u> <u>Resistance to <i>Nasonovia ribisnigri</i> (Nr) Biotype Nr: 0</u> <u>(54)</u>		
<u>absent</u>	<u>Abel, Green Towers, Nadine</u>	<u>1 []</u>
<u>present</u>	<u>Barcelona, Bedford, Dynamite, Silvinas</u>	<u>9 []</u>
<u>not tested</u>		<u>[]</u>
<u>5.36</u> <u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>lactucae</i> (Fol) Race 1</u> <u>(55)</u>		
<u>susceptible</u>	<u>Cobham Green, Patriot</u>	<u>1 []</u>
<u>moderately resistant</u>	<u>Affic, Fuzila, Natexis</u>	<u>2 []</u>
<u>highly resistant</u>	<u>Costa Rica No. 4, Romasol</u>	<u>3 []</u>
<u>not tested</u>		<u>[]</u>

[Annex III follows]

Test Guidelines for Carrot (document TG/49/8 Corr.)

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 Leaf: length (including petiole) (3)		
very short	Mokum, Mignon	1[]
<u>very short to short</u>		<u>2[]</u>
short	Amsterdam 2, Amsterdam 3	3[]
<u>short to medium</u>		<u>4[]</u>
medium	Juwarot, Nantaise améliorée 2	5[]
<u>medium to long</u>		<u>6[]</u>
long	Chantenay, Chantenay à cœur rouge 2	7[]
<u>long to very long</u>		<u>8[]</u>
very long	De Colmar à cœur rouge 2, Rothild	9[]
5.2 Leaf: intensity of green color (5)		
<u>very light</u>		<u>1[]</u>
<u>very light to light</u>		<u>2[]</u>
light	Adelaide, Leonor	3[]
<u>light to medium</u>		<u>4[]</u>
medium	Amsterdam 2, Amsterdam 3	5[]
<u>medium to dark</u>		<u>6[]</u>
dark	Rothild	7[]
<u>dark to very dark</u>		<u>8[]</u>
<u>very dark</u>		<u>9[]</u>
5.3 Leaf: anthocyanin coloration of petiole (6)		
<u>absent</u>	<u>Amsterdam 2</u>	<u>1[]</u>
<u>present</u>	<u>Tarenco</u>	<u>9[]</u>

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.3 4 (7)	Root: length		
very short	Parijse Markt 2, Parijse Markt 3	1[]	
<u>very short to short</u>		2[]	
short	Chantenay	3[]	
<u>short to medium</u>		4[]	
medium	Nantaise améliorée 2, Nantaise améliorée 3	5[]	
<u>medium to long</u>		6[]	
long	Berlikumer 2, Berlikumer 3	7[]	
<u>long to very long</u>		8[]	
very long	Lange Stompe Winter	9[]	
5.4 5 (8)	Root: width		
<u>very narrow</u>		1[]	
<u>very narrow to narrow</u>		2[]	
narrow	Amsterdam 2, Amsterdam 3	3[]	
<u>narrow to medium</u>		4[]	
medium	Nantaise améliorée 2, Nantaise améliorée 3	5[]	
<u>medium to broad</u>		6[]	
broad	De Colmar à cœur rouge 2, Parijse Markt 2, Parijse Markt 3	7[]	
<u>broad to very broad</u>		8[]	
<u>very broad</u>		9[]	

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.6 (9)	Root: ratio length/ width		
<u>very small</u>	<u>Parijse Markt 2,</u> <u>Parijse Markt 3, Parmex</u>	1[]	
<u>very small to small</u>		2[]	
<u>small</u>	<u>Courte améliorée à forcer</u>	3[]	
<u>small to medium</u>		4[]	
<u>medium</u>	<u>Chantenay</u>	5[]	
<u>medium to large</u>		6[]	
<u>large</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3</u>	7[]	
<u>large to very large</u>		8[]	
<u>very large</u>	<u>Amsterdam 2</u>	9[]	
5.5 7 (10)	Root: shape in longitudinal section		
circular	Parijse Markt 2, Parijse Markt 3	1[]	
obovate		2[]	
medium obtriangular	Chantenay, De Colmar à cœur rouge 2	3[]	
narrow obtriangular	Imperator, De Colmar à cœur rouge 3	4[]	
narrow obtriangular to narrow oblong	Maestro	5[]	
narrow oblong	Amsterdam 2, Berlikumer 2, Berlikumer 3, Nantaise améliorée 5, Touchon	6[]	
5.6 8 (12)	Root: shape of shoulder		
flat	De Colmar à cœur rouge 2	1[]	
flat to rounded	Parijse Markt 2	2[]	
rounded		3[]	
rounded to conical		4[]	
conical	Touchon	5[]	
5.7 9 (13)	Root: tip (when fully developed)		
blunt	Berlikumer 3	1[]	
slightly pointed	Mello Yello	2[]	
strongly pointed	Allred, Orbit	3[]	

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Characteristics	Example Varieties	Note
5.8 10 (14) Root: external color		
white	White Satin	1[]
yellow	Mello Yello	2[]
orange	Bingo, Goliath, Karotan, Pinocchio, Tancar	3[]
pinkish red	Nutri-red	4[]
red	Pulsor	5[]
purple	Purple Haze	6[]
5.9 11 (15) <u>Excluding varieties with white external root color:</u> Root: intensity of external color		
<u>very light</u>		1[]
<u>very light to light</u>		2[]
light	Bingo, Mello Yello, Tancar	3[]
<u>light to medium</u>		4[]
medium	Goliath, Nutri-red	5[]
<u>medium to dark</u>		6[]
dark	Karotan, Pinocchio, Purple Haze	7[]
<u>dark to very dark</u>		8[]
<u>very dark</u>		9[]
<u>not applicable</u>		[]
5.12 (16) <u>Root: anthocyanin coloration of skin of shoulder</u>		
<u>absent</u>	<u>Trevor</u>	1[]
<u>present</u>	<u>Touchon</u>	9[]

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Characteristics	Example Varieties	Note
5.13 (19) Root: diameter of core relative to total diameter		
<u>very small</u>	<u>Amsterdam 2, Amsterdam 3, Tourino</u>	1[]
<u>very small to small</u>		2[]
<u>small</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3</u>	3[]
<u>small to medium</u>		4[]
<u>medium</u>	<u>Berlikumer 2, Berlikumer 3</u>	5[]
<u>medium to large</u>		6[]
<u>large</u>	<u>De Colmar à cœur rouge 2</u>	7[]
<u>large to very large</u>		8[]
<u>very large</u>	<u>Giganta</u>	9[]
5.10 14 (20) Root: color of core		
white	White Satin	1[]
yellow	Jaune de Lobberich, Pariser Markt	2[]
orange	Nantaise améliorée 2, Nantaise améliorée 3	3[]
pinkish red		4[]
red	Nutri-red	5[]
purple	Afghan purple, Black Deshi	6[]
5.15 (22) Root: color of cortex		
<u>white</u>	<u>White Satin</u>	1[]
<u>yellow</u>	<u>Mellow Yello</u>	2[]
<u>orange</u>	<u>Allred, Carlo</u>	3[]
<u>pinkish red</u>		4[]
<u>red</u>	<u>Nutri-red</u>	5[]
<u>purple</u>	<u>Afghan purple, Black Deshi</u>	6[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.16 (27)	Varieties with blunt tip only: Root: time of development of rounded tip	
<u>very early</u>		1f 1
<u>very early to early</u>		2f 1
<u>early</u>	<u>Touchon</u>	3f 1
<u>early to medium</u>		4f 1
<u>medium</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3, Tiana</u>	5f 1
<u>medium to late</u>		6f 1
<u>late</u>	<u>Bureau, Nantaise améliorée 7, Tancar</u>	7f 1
<u>late to very late</u>		8f 1
<u>very late</u>		9f 1
<u>not applicable</u>		1
5.17 (28)	Root: time of coloration of tip in longitudinal section	
<u>very early</u>	<u>Parijse Markt 3</u>	1f 1
<u>very early to early</u>		2f 1
<u>early</u>	<u>Amsterdam 2, Amsterdam 3</u>	3f 1
<u>early to medium</u>		4f 1
<u>medium</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3</u>	5f 1
<u>medium to late</u>		6f 1
<u>late</u>	<u>De Colmar à cœur rouge 2, Touchon</u>	7f 1
<u>late to very late</u>		8f 1
<u>very late</u>	<u>Goliath</u>	9f 1

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.18 (29)	Plant: tendency to bolting		
<u>very weak</u>			1[]
<u>very weak to weak</u>			2[]
<u>weak</u>	<u>Molene, Tancar</u>		3[]
<u>weak to medium</u>			4[]
<u>medium</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3</u>		5[]
<u>medium to strong</u>			6[]
<u>strong</u>	<u>Muscade, Touchon</u>		7[]
<u>strong to very strong</u>			8[]
<u>very strong</u>			9[]
5.14 19 (31)	Plants: proportion of male sterile plants		
absent or very low	Nantaise améliorée 2, Touchon		1[]
intermediate			2[]
high	Nanco, Tino		3[]
5.12 20 (32)	Plant: type of male sterility		
brown anther	Nanco		1[]
petaloid anther	Tino		2[]

[Annex IV follows]

Test Guidelines for Spinach (document TG/55/7 Rev. 6)

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) <u>Seedling: length of cotyledon</u>		
<u>very short</u>		<u>1[]</u>
<u>very short to short</u>		<u>2[]</u>
<u>short</u>	<u>Nores</u>	<u>3[]</u>
<u>short to medium</u>		<u>4[]</u>
<u>medium</u>		<u>5[]</u>
<u>medium to long</u>		<u>6[]</u>
<u>long</u>	<u>Breedblad Scherpzaad.</u> <u>Resistoflay</u>	<u>7[]</u>
<u>long to very long</u>		<u>8[]</u>
<u>very long</u>		<u>9[]</u>
5.2 (2) <u>Leaf: anthocyanin coloration of petioles and veins</u>		
<u>absent</u>	<u>Resistoflay, Nores</u>	<u>1[]</u>
<u>present</u>	<u>Red Cardinal, Reddy</u>	<u>2[]</u>
5.4 (3) <u>Leaf blade: intensity of green color</u>		
<u>very light</u>		<u>1[]</u>
<u>very light to light</u>		<u>2[]</u>
<u>light</u>	<u>Monet, Viroflay, Winterreuzen</u>	<u>3[]</u>
<u>light to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Butterflay, Monnopa</u>	<u>5[]</u>
<u>medium to dark</u>		<u>6[]</u>
<u>dark</u>	<u>Imola, Lavewa, Nores</u>	<u>7[]</u>
<u>dark to very dark</u>		<u>8[]</u>
<u>very dark</u>	<u>Lorelay, Mystic</u>	<u>9[]</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.2 4 Leaf blade: blistering (4)		
absent or very weak	Matador	1[]
<u>very weak to weak</u>		2[]
weak	Polka, Tarp	3[]
<u>weak to medium</u>		4[]
medium	Butterflay, Koala, Mystic	5[]
<u>medium to strong</u>		6[]
strong	Giraffe, Rhythm	7[]
<u>strong to very strong</u>		8[]
very strong	Menorca, Revolver	9[]
5.5 Petiole: length (7)		
<u>very short</u>		1[]
<u>very short to short</u>		2[]
<u>short</u>	Imola, Mystic	3[]
<u>short to medium</u>		4[]
<u>medium</u>	Butterflay, Giraffe	5[]
<u>medium to long</u>		6[]
<u>long</u>	Grappa, Resistoflay	7[]
<u>long to very long</u>		8[]
<u>very long</u>		9[]
5.6 Leaf blade: shape (excluding basal lobes) (9)		
<u>triangular</u>	Grappa, Maracas	1[]
<u>medium ovate</u>	Lavewa, Resistoflay	2[]
<u>broad ovate</u>	Butterflay	3[]
<u>medium elliptic</u>		4[]
<u>broad elliptic</u>	Nores	5[]
<u>circular</u>	Giraffe	6[]
5.3 7 Leaf blade: shape of apex (11)		
acute	Grappa, Rhythm	1[]
obtuse	Resistoflay	2[]
rounded	Imola, Nores	3[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.4 8 Proportion of monoecious plants (13)		
absent or very low	Medania	1[]
<u>very low to low</u>		2[]
low	Matador	3[]
<u>low to medium</u>		4[]
medium	Figo	5[]
<u>medium to high</u>		6[]
high	Giraffe, Lazio	7[]
<u>high to very high</u>		8[]
very high	Monnopa	9[]
5.5 9 Proportion of female plants (14)		
absent or very low	Monnopa	1[]
<u>very low to low</u>		2[]
low	Giraffe	3[]
<u>low to medium</u>		4[]
medium	Figo, Medania	5[]
<u>medium to high</u>		6[]
high	Parrot	7[]
<u>high to very high</u>		8[]
very high		9[]
5.6 10 Proportion of male plants (15)		
absent or very low	Monnopa, Parrot	1[]
<u>very low to low</u>		2[]
low		3[]
<u>low to medium</u>		4[]
medium	Medania	5[]
<u>medium to high</u>		6[]
high		7[]
<u>high to very high</u>		8[]
very high		9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.7 11 (16) Time of start of bolting (for spring sown crops, 15% of plants)		
very early	Figo, Maracas	1[]
<u>very early to early</u>		2[]
early	Bandola, Viroflay	3[]
<u>early to medium</u>		4[]
medium	Matador, Monnopa	5[]
<u>medium to late</u>		6[]
late	Grappa, Medania, Revolver	7[]
<u>late to very late</u>		8[]
very late	Chica, Lavewa	9[]
5.12 (18.1) <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 1</u>		
<u>absent</u>	<u>Viroflay, Winterreuzen</u>	1[]
<u>present</u>	<u>Califlay, Resistoflay</u>	9[]
<u>not tested</u>		[]
5.13 (18.2) <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 2</u>		
<u>absent</u>	<u>Califlay</u>	1[]
<u>present</u>	<u>Resistoflay</u>	9[]
<u>not tested</u>		[]
5.14 (18.3) <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 3</u>		
<u>absent</u>	<u>Resistoflay</u>	1[]
<u>present</u>	<u>Califlay, Clermont</u>	9[]
<u>not tested</u>		[]
5.15 (18.4) <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 4</u>		
<u>absent</u>	<u>Califlay</u>	1[]
<u>present</u>	<u>Clermont</u>	9[]
<u>not tested</u>		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<u>5.16</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 5</u> <u>(18.5)</u>		
<u>absent</u>	<u>Clermont</u>	1 []
<u>present</u>	<u>Califlay, Campania</u>	9 []
<u>not tested</u>		[]
<u>5.17</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 6</u> <u>(18.6)</u>		
<u>absent</u>	<u>Califlay, Campania</u>	1 []
<u>present</u>	<u>Boeing</u>	9 []
<u>not tested</u>		[]
<u>5.18</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 7</u> <u>(18.7)</u>		
<u>absent</u>	<u>Califlay</u>	1 []
<u>present</u>	<u>Campania</u>	9 []
<u>not tested</u>		[]
<u>5.19</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 8</u> <u>(18.8)</u>		
<u>absent</u>	<u>Boeing, Campania</u>	1 []
<u>present</u>	<u>Lazio, Lion</u>	9 []
<u>not tested</u>		[]
<u>5.20</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 10</u> <u>(18.9)</u>		
<u>absent</u>	<u>Boeing, Campania, Lion</u>	1 []
<u>present</u>	<u>Lazio</u>	9 []
<u>not tested</u>		[]
<u>5.21</u> <u>Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 11</u> <u>(18.10)</u>		
<u>absent</u>	<u>Lazio</u>	1 []
<u>present</u>	<u>Boeing, Califlay, Campania, Lion</u>	9 []
<u>not tested</u>		[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.22 (18.11)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 12		
<u>absent</u>	<u>Boeing, Campania</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Finch, Pigeon, Red Kitten, Zebu</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.23 (18.12)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 13		
<u>absent</u>	<u>Campania</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Boeing, Lion</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.24 (18.13)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 14		
<u>absent</u>	<u>Campania, Pigeon</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Califlay, Lion</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.25 (18.14)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 15		
<u>absent</u>	<u>Caladonia</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Pigeon</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.26 (18.15)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 16		
<u>absent</u>	<u>Meerkat</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Caladonia</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.27 (18.16)	Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 17		
<u>absent</u>	<u>Pigeon</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Hydrus</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>
5.28 (19)	Resistance to Cucumber mosaic virus (CMV)		
<u>absent</u>	<u>Polka</u>	1	<input type="checkbox"/>
<u>present</u>	<u>Symphony</u>	9	<input type="checkbox"/>
<u>not tested</u>			<input type="checkbox"/>

Test Guidelines for Cucumber, Gherkin (document TG/61/7 Rev. 2 Corr. 2)

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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 Cotyledon: bitterness (1)		
absent	Rocket GS, Sandra	1 []
present	Farbio	9 []
5.2 Plant: growth type (2)		
determinate	Bush Crop, Shachal	1 []
indeterminate	Corona, Levina	2 []
5.3 Leaf blade: length (5)		
very short		1 []
very short to short		2 []
short	Adam	3 []
short to medium		4 []
medium	Briljant	5 []
medium to long		6 []
long	Corona	7 []
long to very long		8 []
very long		9 []
5.4 Leaf blade: intensity of green color (8)		
very light		1 []
very light to light		2 []
light	De Russie	3 []
light to medium		4 []
medium	Rocket GS, Stereo	5 []
medium to dark		6 []
dark	Marketmore, Sandra, Tokyo Slicer	7 []
dark to very dark		8 []
very dark	Akito	9 []

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.2 5 (13)	Plant: sex expression		
monoecious	Hokus	1 []	
subgynoecious	Toska 70	2 []	
gynoecious	Farbio, Sandra, Wilma	3 []	
hermaphroditic	Sunsweet	4 []	
5.6 (14)	Plant: number of female flowers per node		
<u>predominantly one</u>	<u>Dasher, Faraón</u>	<u>1 []</u>	
<u>predominantly one or two</u>	<u>Brunex, Marumba</u>	<u>2 []</u>	
<u>predominantly two</u>	<u>Corona</u>	<u>3 []</u>	
<u>predominantly two or three</u>	<u>Tempo</u>	<u>4 []</u>	
<u>predominantly three or four</u>	<u>Tornac</u>	<u>5 []</u>	
<u>predominantly four or five</u>	<u>Melody</u>	<u>6 []</u>	
<u>predominantly more than five</u>	<u>Olympos</u>	<u>7 []</u>	
5.3 7 (15)	Ovary: color of vestiture		
white	Jazzer	1 []	
black	Vert petit de Paris	2 []	
5.4 8 (16)	Parthenocarpy		
absent	Toska 70	1 []	
present	Farbio, Rocket GS, Sandra, Wilma	9 []	
5.4 9 (17)	Fruit: length		
very short	De Russie, Sunsweet	1 []	
<u>very short to short</u>		<u>2 []</u>	
short		3 []	
<u>short to medium</u>		<u>4 []</u>	
medium	Gemini, Jazzer	5 []	
<u>medium to long</u>		<u>6 []</u>	
long	Corona	7 []	
<u>long to very long</u>		<u>8 []</u>	
very long		9 []	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.10 Fruit: diameter (18)		
<u>very small</u>		1 []
<u>very small to small</u>		2 []
<u>small</u>	<u>Picobello, Wilma</u>	3 []
<u>small to medium</u>		4 []
<u>medium</u>	<u>Corona, Diamant</u>	5 []
<u>medium to large</u>		6 []
<u>large</u>	<u>Delikatess, Riesenschäl</u>	7 []
<u>large to very large</u>		8 []
<u>very large</u>		9 []
5.6 11 Fruit: shape of stem end (22)		
necked	Sandra, Tasty Green	1 []
acute	De Massy	2 []
obtuse	Maram, Score	3 []
5.12 Only necked varieties: Fruit: length of neck (23)		
<u>very short</u>		1 []
<u>very short to short</u>		2 []
<u>short</u>	<u>Saskia</u>	3 []
<u>short to medium</u>		4 []
<u>medium</u>	<u>Corona, Telepathy</u>	5 []
<u>medium to long</u>		6 []
<u>long</u>	<u>Kamaron</u>	7 []
<u>long to very long</u>		8 []
<u>very long</u>	<u>Tasty Green</u>	9 []
<u>not applicable</u>		[]
5.7 13 Fruit: ground color of skin at market stage (25)		
white	Bonneuil	1 []
yellow	Gele Tros	2 []
green	Corona	3 []

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.14 (26)		
Excluding white varieties: Fruit: intensity of ground color of skin (as for 25)		
<u>very light</u>		1 []
<u>very light to light</u>		2 []
<u>light</u>		3 []
<u>light to medium</u>		4 []
<u>medium</u>		5 []
<u>medium to dark</u>		6 []
<u>dark</u>		7 []
<u>dark to very dark</u>		8 []
<u>very dark</u>		9 []
<u>not applicable</u>		[]
5.15 (27)		
Fruit: ribs		
<u>absent or weak</u>	<u>Darius, Diana</u>	1 []
<u>medium</u>	<u>Sprint</u>	2 []
<u>strong</u>	<u>Vert petit de Paris</u>	3 []
5.16 (29)		
Fruit: creasing		
<u>absent</u>	<u>Jazzer</u>	1 []
<u>present</u>	<u>Corona, Nabil</u>	9 []
5.17 (30)		
Fruit: degree of creasing		
<u>very weak</u>	<u>Silor</u>	1 []
<u>very weak to weak</u>		2 []
<u>weak</u>	<u>Nabil</u>	3 []
<u>weak to medium</u>		4 []
<u>medium</u>	<u>Corona, Galileo</u>	5 []
<u>medium to strong</u>		6 []
<u>strong</u>	<u>Grizzly</u>	7 []
<u>strong to very strong</u>		8 []
<u>very strong</u>	<u>Suyo Long</u>	9 []
<u>not applicable</u>		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.8 18 Fruit: type of vestiture (31)		
hairs only	Silor	1 []
hairs and prickles	De Bourbonne, De Massy	2 []
prickles only	Corona, Jazzer	3 []
5.19 Fruit: density of vestiture (32)		
<u>very sparse</u>	<u>Vert petit de Paris</u>	<u>1f []</u>
<u>very sparse to sparse</u>		<u>2f []</u>
<u>sparse</u>		<u>3f []</u>
<u>sparse to medium</u>		<u>4f []</u>
<u>medium</u>	<u>Tasty Green</u>	<u>5f []</u>
<u>medium to dense</u>		<u>6f []</u>
<u>dense</u>	<u>Silor, Suvo Long</u>	<u>7f []</u>
<u>dense to very dense</u>		<u>8f []</u>
<u>very dense</u>	<u>Moneta, Parmel</u>	<u>9f []</u>
5.20 Fruit: size of warts (35)		
<u>very small</u>	<u>Parmel</u>	<u>1f []</u>
<u>very small to small</u>		<u>2f []</u>
<u>small</u>	<u>Jazzer</u>	<u>3f []</u>
<u>small to medium</u>		<u>4f []</u>
<u>medium</u>	<u>Regal</u>	<u>5f []</u>
<u>medium to large</u>		<u>6f []</u>
<u>large</u>	<u>Chinese Slangen</u>	<u>7f []</u>
<u>large to very large</u>		<u>8f []</u>
<u>very large</u>	<u>Tasty Green</u>	<u>9f []</u>

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.21	Fruit: length of stripes		
(36)			
absent or very short		1[]	
very short to short		2[]	
short	<u>Astrea</u>	3[]	
short to medium		4[]	
medium	<u>Breso</u>	5[]	
medium to long		6[]	
long	<u>Pioneer, Tokyo Slicer</u>	7[]	
long to very long		8[]	
very long	<u>Suyo Long</u>	9[]	
5.22	Fruit: dots		
(37)			
absent	<u>Sensation</u>	1[]	
present	<u>Delicatesse,</u> <u>Hanpaku-Fushinari,</u> <u>Sagami-Fanpaku,</u> <u>White Sun</u>	9[]	
5.9 23	Resistance to <i>Cladosporium cucumerinum</i> (Ccu)		
(44)			
absent	<u>Cherubino, Frontera,</u> <u>Pepinex 69</u>	1[]	
present	<u>Corona, Marketmore 76,</u> <u>Sheila</u>	9[]	
not tested		[]	
5.10 24	Resistance to <i>Cucumber mosaic virus</i> (CMV)		
(45)			
susceptible	<u>Bosporus, Corona, Ventura</u>	1[]	
moderately resistant	<u>Capra, Gardon, Verdon</u>	2[]	
highly resistant	<u>Naf, Picolino</u>	3[]	
not tested		[]	
5.11 25	Resistance to Powdery mildew (<i>Podosphaera xanthii</i>) (Px)		
(46)			
susceptible	<u>Corona, Ventura</u>	1[]	
moderately resistant	<u>Flamingo</u>	2[]	
highly resistant	<u>Aramon, Bella, Cordoba</u>	3[]	
not tested		[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.26 (47) <u>Resistance to Downy mildew (<i>Pseudoperonospora cubensis</i>) (Pcu)</u>		
<u>absent</u>	<u>Pepinex 69, Wisconsin</u>	1 []
<u>present</u>	<u>Poinsett 76</u>	9 []
<u>not tested</u>		[]
5.42 27 (48) <u>Resistance to Corynespora blight and target leaf spot (<i>Corynespora cassiicola</i>) (Cca)</u>		
absent	Bodega, Pepinova	1 []
present	Corona, Cumlaude	9 []
not tested		[]
5.43 28 (49) <u>Resistance to Cucumber vein yellowing virus (CVYV)</u>		
absent	Corinda, Corona, Ventura	1 []
present	Dina, Summerstar, Tornac	9 []
not tested		[]
5.29 (50) <u>Resistance to Zucchini yellow mosaic virus (ZYMV)</u>		
<u>absent</u>	<u>Corona, Hilton, Ventura</u>	1 []
<u>present</u>	<u>Dina, Summerstar, Thunder</u>	9 []
<u>not tested</u>		[]
5.30 (51) <u>Resistance to Cucurbit yellow stunting disorder virus (CYSDV)</u>		
<u>absent</u>	<u>Burgos, Castro, Corona</u>	1 []
<u>present</u>	<u>Atalaya, Fortyca</u>	9 []
<u>not tested</u>		[]

[Annex VI follows]

Test Guidelines for Melon (document TG/104/5 Rev. 2)

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 (12) Inflorescence: sex expression (at full flowering)		
monoecious	Alpha, Categoría	1[]
andromonoecious	Piel de Sapo	2[]
5.2 (13) Young fruit: hue of green color of skin		
<u>whitish green</u>	<u>Geasol</u>	<u>1[]</u>
<u>yellowish green</u>	<u>Fimel</u>	<u>2[]</u>
<u>green</u>	<u>Lucas</u>	<u>3[]</u>
<u>greyish green</u>	<u>Spanglia</u>	<u>4[]</u>
5.3 (14) Young fruit: intensity of green color of skin		
<u>very light</u>	<u>Solarking</u>	<u>1[]</u>
<u>very light to light</u>		<u>2[]</u>
<u>light</u>	<u>Fimel</u>	<u>3[]</u>
<u>light to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Eros</u>	<u>5[]</u>
<u>medium to dark</u>		<u>6[]</u>
<u>dark</u>	<u>Galia</u>	<u>7[]</u>
<u>dark to very dark</u>		<u>8[]</u>
<u>very dark</u>	<u>Edén</u>	<u>9[]</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.4 (24) Fruit: length		
<u>very short</u>	<u>Doublon, Golden Crispy</u>	<u>1f</u>
<u>very short to short</u>		<u>2f</u>
<u>short</u>	<u>Topper, Védrantais</u>	<u>3f</u>
<u>short to medium</u>		<u>4f</u>
<u>medium</u>	<u>Marina, Spanglia</u>	<u>5f</u>
<u>medium to long</u>		<u>6f</u>
<u>long</u>	<u>Categoría, Toledo</u>	<u>7f</u>
<u>long to very long</u>		<u>8f</u>
<u>very long</u>	<u>Katsura Giant, Valdivia</u>	<u>9f</u>
5.5 (25) Fruit: diameter		
<u>very narrow</u>	<u>Banana, Golden Crispy</u>	<u>1f</u>
<u>very narrow to narrow</u>		<u>2f</u>
<u>narrow</u>	<u>Alpha, Maestro</u>	<u>3f</u>
<u>narrow to medium</u>		<u>4f</u>
<u>medium</u>	<u>Categoría, Galia</u>	<u>5f</u>
<u>medium to broad</u>		<u>6f</u>
<u>broad</u>	<u>Albino, Kinka</u>	<u>7f</u>
<u>broad to very broad</u>		<u>8f</u>
<u>very broad</u>	<u>Noir des Carmes</u>	<u>9f</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.2 6 (28)	Fruit: shape in longitudinal section	
ovate	De Cavaillon, Piolín	1[]
medium elliptic	Piel de Sapo	2[]
broad elliptic	Corin, Sardo	3[]
circular	Alpha, Galia	4[]
quadrangular	Zatta	5[]
oblate	Jívaro, Noir de Carnes	6[]
obovate	Cganchi	7[]
elongated	Alficoz, Banana	8[]
5.3 7 (29)	Fruit: ground color of skin	
white	Albino, Honey Dew	1[]
yellow	Amarillo-Canario, Edén, Galia, Passport, Solarking	2[]
green	Gohyang, Piel de Sapo	3[]
grey	Geaprince, Geamar, Romeo, Sirio, Supporter, Védrantais	4[]
5.8 (31)	Fruit: hue of ground color of skin	
<u>absent or very weak</u>	<u>Amarillo-Canario, Albino, Piel de Sapo, Sirio</u>	<u>1[]</u>
<u>whitish</u>	<u>Romeo</u>	<u>2[]</u>
<u>yellowish</u>	<u>Geaprince, Supporter</u>	<u>3[]</u>
<u>orange</u>	<u>Edén</u>	<u>4[]</u>
<u>ochre</u>	<u>Passport</u>	<u>5[]</u>
<u>greenish</u>	<u>Geamar, Honey Dew, Solarking</u>	<u>6[]</u>
<u>greyish</u>	<u>Gohyang</u>	<u>7[]</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.9 (32) Fruit: density of dots		
<u>absent or very sparse</u>	<u>Charentais</u>	1[]
<u>very sparse</u>		2[]
<u>sparse</u>		3[]
<u>sparse to medium</u>		4[]
<u>medium</u>	<u>Petit Gris de Rennes</u>	5[]
<u>medium to dense</u>		6[]
<u>dense</u>	<u>Piel de Sapo</u>	7[]
<u>dense to very dense</u>		8[]
<u>very dense</u>	<u>Albino</u>	9[]
5.4 10 (36) Fruit: density of patches		
absent or very sparse	Rochet	1[]
<u>very sparse to sparse</u>		2[]
sparse		3[]
<u>sparse to medium</u>		4[]
medium	Braco	5[]
<u>medium to dense</u>		6[]
dense	Piel de Sapo	7[]
<u>dense to very dense</u>		8[]
very dense	Oranje Ananas	9[]
5.5 11 (38) Fruit: warts		
absent	Piel de Sapo	1[]
present	Zatta	9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.6 12 Fruit: grooves (43)		
absent or very weakly expressed	Piel de Sapo, Arava	1[]
weakly expressed	Total, Hobby	2[]
strongly expressed	Védrantais, Galia	3[]
5.13 Fruit: depth of grooves (45)		
<u>very shallow</u>	<u>Amber</u>	<u>1[]</u>
<u>very shallow to shallow</u>		<u>2[]</u>
<u>shallow</u>	<u>Galia</u>	<u>3[]</u>
<u>shallow to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Alpha</u>	<u>5[]</u>
<u>medium to deep</u>		<u>6[]</u>
<u>deep</u>	<u>Panamá, Supermarket</u>	<u>7[]</u>
<u>deep to very deep</u>		<u>8[]</u>
<u>very deep</u>	<u>Noir des Carmes,</u> <u>Sucrin de Tours</u>	<u>9[]</u>
5.14 Fruit: creasing of surface (47)		
<u>absent or very weak</u>	<u>Védrantais</u>	<u>1[]</u>
<u>very weak to weak</u>		<u>2[]</u>
<u>weak</u>	<u>Melchor, Sirocco</u>	<u>3[]</u>
<u>weak to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Costa, Piolín</u>	<u>5[]</u>
<u>medium to strong</u>		<u>6[]</u>
<u>strong</u>	<u>Tendral Negro</u>	<u>7[]</u>
<u>strong to very strong</u>		<u>8[]</u>
<u>very strong</u>	<u>Balbey, Kirkagac</u>	<u>9[]</u>
5.7 15 Fruit: cork formation (48)		
absent	Alpha	1[]
present	Dalton	9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.16 (49) Fruit: thickness of cork layer		
<u>very thin</u>	<u>Amarillo Oro</u>	1[]
<u>very thin to thin</u>		2[]
<u>thin</u>	<u>Riosol, Védtrantais</u>	3[]
<u>thin to medium</u>		4[]
<u>medium</u>	<u>Marina</u>	5[]
<u>medium to thick</u>		6[]
<u>thick</u>	<u>Geamar, PMR 45</u>	7[]
<u>thick to very thick</u>		8[]
<u>very thick</u>	<u>Honey Rock, Perlita</u>	9[]
5.8 17 (50) Fruit: pattern of cork formation		
dots only	Hermes, Védtrantais	1[]
dots and linear	Jivaro, Topper	2[]
linear only	Futuro, Riosol	3[]
linear and netted	Anatol, Chantal	4[]
netted only	Galia, Perlita	5[]
5.9 18 (51) Fruit: density of pattern of cork formation		
very sparse	Alpha, Amarillo Oro	1[]
<u>very sparse to sparse</u>		2[]
sparse	Védtrantais	3[]
<u>sparse to medium</u>		4[]
medium	Regal, Vital	5[]
<u>medium to dense</u>		6[]
dense	Galia, Geamar	7[]
<u>dense to very dense</u>		8[]
very dense	Honey Rock, Perlita	9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.10 19 Fruit: main color of flesh (54)		
white	Piel de Sapo	1[]
greenish white	Galia	2[]
green	Radical	3[]
yellowish white	Guaraní	4[]
orange	Védrantais	5[]
reddish orange	Magenta	6[]
5.11 20 Seed: length (60)		
very short	Geumssaraki, Golden Crispi	1[]
<u>very short to short</u>		<u>2[]</u>
short	Elario, Katsura Giant	3[]
<u>short to medium</u>		<u>4[]</u>
medium	Arava, Sancho	5[]
<u>medium to long</u>		<u>6[]</u>
long	Amarillo Oro, Toledo	7[]
<u>long to very long</u>		<u>8[]</u>
very long	Albino	9[]
5.21 Seed: shape (62)		
<u>not pine-nut shape</u>	<u>Toledo</u>	<u>1[]</u>
<u>pine-nut shape</u>	<u>Piel de Sapo</u>	<u>2[]</u>
5.12 22 Seed: color (63)		
whitish	Amarillo Oro s.b.	1[]
cream yellow	Galia, Piel de Sapo	2[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.23 (65)		
Time of male flowering		
<u>very early</u>		1f 1
<u>very early to early</u>		2f 1
<u>early</u>	<u>Clipper, Vital</u>	3f 1
<u>early to medium</u>		4f 1
<u>medium</u>	<u>Categoría</u>	5f 1
<u>medium to late</u>		6f 1
<u>late</u>	<u>Nicolás, Rocín</u>	7f 1
<u>late to very late</u>		8f 1
<u>very late</u>		9f 1
5.24 (66)		
Time of female flowering		
<u>very early</u>		1f 1
<u>very early to early</u>		2f 1
<u>early</u>	<u>Clipper</u>	3f 1
<u>early to medium</u>		4f 1
<u>medium</u>	<u>Braco, Categoría, Vital</u>	5f 1
<u>medium to late</u>		6f 1
<u>late</u>	<u>Nicolás</u>	7f 1
<u>late to very late</u>		8f 1
<u>very late</u>		9f 1
5.25 (67)		
Time of ripening		
<u>very early</u>	<u>Goldstar, Sun</u>	1f 1
<u>very early to early</u>		2f 1
<u>early</u>	<u>Galia</u>	3f 1
<u>early to medium</u>		4f 1
<u>medium</u>	<u>Védrantais</u>	5f 1
<u>medium to late</u>		6f 1
<u>late</u>	<u>Pinonet Piel de Sapo, Rochet</u>	7f 1
<u>late to very late</u>		8f 1
<u>very late</u>	<u>Clipper, Supporter, Tendral</u>	9f 1

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.13 26 (68) Shelf life of fruit		
very short	Charentais	1[]
<u>very short to short</u>		<u>2[]</u>
short	Galia	3[]
<u>short to medium</u>		<u>4[]</u>
medium	Clipper	5[]
<u>medium to long</u>		<u>6[]</u>
long	Piel de Sapo	7[]
<u>long to very long</u>		<u>8[]</u>
very long	Tendral Negro	9[]
5.14 27 (69.1) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> – Race 0		
absent	Jaune Canari 2	1[]
present	Jador, Védraçais	9[]
5.15 28 (69.2) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> - Race 1		
absent	Jaune Canari 2, Védraçais	1[]
present	Arapaho, Jador, Rubbens	9[]
5.16 29 (69.3) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> - Race 2		
absent	Arapaho, Jaune Canari 2, Rubbens	1[]
present	Anasta, Cléo, Jador, Védraçais,	9[]
5.30 (69.4) <u>Resistance to <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> - Race 1.2</u>		
<u>susceptible</u>	<u>Jaune Canari 2,</u> <u>Védraçais, Virgos</u>	<u>1[]</u>
<u>moderately resistant</u>	<u>Lunasol</u>	<u>2[]</u>
<u>highly resistant</u>	<u>Dinero, Isabelle</u>	<u>3[]</u>
<u>not tested</u>		<u>[]</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.31 (70.1) Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) - Race 1		
susceptible	<u>Jaune Canari 2, Védrantais</u>	1f []
moderately resistant	<u>Escrito</u>	2f []
highly resistant	<u>Anasta, Cézanne</u>	3f []
not tested		[]
5.32 (70.2) Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) - Race 2		
susceptible	<u>Galoubet, Védrantais</u>	1f []
moderately resistant	<u>Escrito, Pendragon</u>	2f []
highly resistant	<u>Anasta, Cézanne</u>	3f []
not tested		[]
5.33 (70.3) Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) - Race 3		
susceptible	<u>Védrantais</u>	1f []
moderately resistant	<u>Nettuno</u>	2f []
highly resistant	<u>Batista, Godiva</u>	3f []
not tested		[]
5.34 (70.4) Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) - Race 5		
susceptible	<u>Védrantais</u>	1f []
moderately resistant	<u>Hugo, Pendragon</u>	2f []
highly resistant	<u>Arapaho</u>	3f []
not tested		[]
5.35 (70.5) Resistance to <i>Podosphaera xanthii</i> (<i>Sphaerotheca fuliginea</i>) (Powdery mildew) - Race 3-5		
susceptible	<u>Védrantais</u>	1f []
moderately resistant	<u>Cisco</u>	2f []
highly resistant	<u>90625</u>	3f []
not tested		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.36 (71)	<u>Resistance to <i>Golovinomyces cichoracearum</i> (<i>Erysiphe cichoracearum</i>)</u> <u>Race 1 (Powdery mildew)</u>	
<u>susceptible</u>	<u>Escrito, Score, Védrantais</u>	1f <input type="checkbox"/>
<u>moderately resistant</u>	<u>Flores, Anasta</u>	2f <input type="checkbox"/>
<u>highly resistant</u>	<u>Cézanne, Heliobel, Théo</u>	3f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>
5.37 (72)	<u>Resistance to colonization by <i>Aphis gossypii</i></u>	
<u>absent</u>	<u>Védrantais</u>	1f <input type="checkbox"/>
<u>present</u>	<u>AR Hale's Best Jumbo, AR Top Mark, Godiva, Heliobel, Virgos</u>	9f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>
5.38 (73)	<u>Resistance to <i>Zucchini yellow mosaic virus</i> (ZYMV)</u>	
<u>absent</u>	<u>Cardillo, Générés, Jador, Védrantais</u>	1f <input type="checkbox"/>
<u>present</u>	<u>Hannah's Choice, Lunaduke</u>	9f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>
5.39 (74.1)	<u>Resistance to <i>Papaya ringspot virus</i> (PRSV) - Guadeloupe strain</u>	
<u>absent</u>	<u>Védrantais</u>	1f <input type="checkbox"/>
<u>present</u>	<u>Hannah's Choice</u>	9f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>
5.40 (74.2)	<u>Resistance to <i>Papaya ringspot virus</i> (PRSV) - E2 strain</u>	
<u>absent</u>	<u>Hannah's Choice, Védrantais</u>	1f <input type="checkbox"/>
<u>present</u>	<u>WMR29</u>	9f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>
5.41 (75)	<u>Resistance to <i>Melon necrotic spot virus</i> (MNSV) Strain 0 (MNSV: 0)</u>	
<u>absent</u>	<u>Védrantais</u>	1f <input type="checkbox"/>
<u>present</u>	<u>Cyro, Primal, Virgos, Yellow Fun</u>	9f <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<u>5.42</u> <u>(76)</u> <u>Resistance to <i>Cucumber mosaic virus (CMV)</i></u>		
<u>absent</u>	<u>Cézanne, Dalton</u>	<u>1</u> <input type="checkbox"/>
<u>present</u>	<u>Lunaduke, Virgos</u>	<u>9</u> <input type="checkbox"/>
<u>not tested</u>		<input type="checkbox"/>

[Annex VII follows]

Test Guidelines for Squash, Vegetable Marrow (document TG/119/4 Corr. 2)

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 the Test Guidelines; please mark the state of expression which best corresponds).		
Characteristics	Example Varieties	Note
5.1 Types of edible varieties: Fruit: type		
Pumpkin	Halloween, Little Boo, Small Sugar	1[]
Miniature Pumpkin	Jack Be Little	2[]
Scallop	Patty Pan, Scallopini	3[]
Acorn	Table Queen	4[]
Neck	Early Prolific Straightneck, Yellow Summer Crookneck	5[]
Zucchini	Ambassador, Beiruti, Clarita, Elite, Ibis, Romano	6[]
Rounded Zucchini	De Nice à fruit rond, Redondo	7[]
Delicata	Delicata	8[]
Spaghetti Squash	Pasta, Vegetable Spaghetti	9[]
Rondini	Little Gem	10[]
Ölkürbis	Markant	11[]
Other		12[]
5.2 Plant: growth habit (4)		
bush	Greyzini	1[]
semi-trailing	Cinderella, Everest, Twickers	2[]
trailing	Becky, Long Green Trailing	3[]
5.3 Plant: branching (5)		
absent	Goldi	1[]
present	Patty Green Tint	9[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.4 (8) Stem: color			
completely green	Becky	1	1
partly green and partly yellow	Autumn Gold	2	1
5.5 (9) Stem: intensity of green color			
very light	Maayan	1	1
very light to light		2	1
light	Bianchini	3	1
light to medium		4	1
medium	Cinderella	5	1
medium to dark		6	1
dark	Greyzini	7	1
dark to very dark		8	1
very dark	Goldrush	9	1
5.6 (13) Leaf blade: incisions			
absent or very shallow	Scallopini	1	1
very shallow to shallow		2	1
shallow	Everest	3	1
shallow to medium		4	1
medium	Jackpot	5	1
medium to deep		6	1
deep	Civac	7	1
deep to very deep		8	1
very deep	Isotta	9	1
5.4.7 (15) Leaf blade: silvery patches			
absent	Black Forest, Scallopini	1	1
present	Civac	9	1

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.8 <u>Leaf blade: relative area covered by silvery patches</u> (16)		
<u>very small</u>	<u>Albo</u>	1f]
<u>very small to small</u>		2f]
<u>small</u>	<u>Aziz</u>	3f]
<u>small to medium</u>		4f]
<u>medium</u>	<u>Ambassador</u>	5f]
<u>medium to large</u>		6f]
<u>large</u>	<u>Cora</u>	7f]
<u>large to very large</u>		8f]
<u>very large</u>	<u>Summerstar</u>	9f]
5.9 <u>Petiole: length</u> (17)		
<u>very short</u>		1f]
<u>very short to short</u>		2f]
<u>short</u>	<u>Jack be Little, Karioka</u>	3f]
<u>short to medium</u>		4f]
<u>medium</u>	<u>Goldi</u>	5f]
<u>medium to long</u>		6f]
<u>long</u>	<u>Autumn Gold, Baikal</u>	7f]
<u>long to very long</u>		8f]
<u>very long</u>		9f]
5.10 <u>Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape</u> (26)		
<u>globular</u>	<u>De Nice à Fruit Rond</u>	1f]
<u>pear shaped</u>	<u>Clarita</u>	2f]
<u>tapered elliptical</u>	<u>Top Kapi</u>	3f]
<u>elliptical</u>	<u>Table Dainty</u>	4f]
<u>cylindrical</u>	<u>Ambassador, Ibis</u>	5f]
<u>tapered cylindrical</u>		6f]
<u>not applicable</u>		f]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.11 <u>Young fruit: main color of skin (excluding color of ribs or grooves)</u> (27)		
<u>white</u>	<u>White Bush Scallop</u>	1[]
<u>cream</u>	<u>Tivoli</u>	2[]
<u>yellow</u>	<u>Goldi</u>	3[]
<u>green</u>	<u>Elite, Opal, Romano</u>	4[]
<u>partly white and partly yellow</u>		5[]
<u>partly white and partly green</u>		6[]
<u>partly yellow and partly green</u>	<u>Sunburst, Zephyr</u>	7[]
5.12 <u>Only varieties with green color of skin: Young fruit: intensity of green color of skin (as for 27)</u> (12)		
<u>very light</u>	<u>Clarita, Goya, Patty Green Tint</u>	1[]
<u>very light to light</u>		2[]
<u>light</u>	<u>Arika</u>	3[]
<u>light to very light</u>		4[]
<u>medium</u>	<u>Baccara</u>	5[]
<u>medium to dark</u>		6[]
<u>dark</u>	<u>Arlesa, Sandra, Zefira</u>	7[]
<u>dark to very dark</u>		8[]
<u>very dark</u>	<u>Carnaval, Corsair</u>	9[]
<u>not applicable</u>		[]
5.13 <u>Fruit: general shape</u> (30)		
<u>disc shaped</u>		1[]
<u>transverse elliptical</u>		2[]
<u>transverse broad elliptical</u>		3[]
<u>globular</u>		4[]
<u>top shaped</u>		5[]
<u>broad elliptical</u>		6[]
<u>ovate</u>		7[]
<u>elliptical</u>		8[]
<u>cylindrical</u>		9[]
<u>pear shaped</u>		10[]
<u>bottle shaped</u>		11[]
<u>club shaped</u>		12[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.14 Only Scallop type varieties: Fruit: length (31.1)		
<u>very short</u>		1 []
<u>very short to short</u>		2 []
<u>short</u>	<u>Bennings Green Tint</u>	3 []
<u>short to medium</u>		4 []
<u>medium</u>	<u>Sunburst</u>	5 []
<u>medium to long</u>		6 []
<u>long</u>	<u>Yellow Bush Scallop</u>	7 []
<u>long to very long</u>		8 []
<u>very long</u>		9 []
<u>not applicable</u>		[]
5.15 Only Acorn type varieties: Fruit: length (31.2)		
<u>very short</u>		1 []
<u>very short to short</u>		2 []
<u>short</u>	<u>Table Gold</u>	3 []
<u>short to medium</u>		4 []
<u>medium</u>	<u>Swan White Acorn</u>	5 []
<u>medium to long</u>		6 []
<u>long</u>	<u>Ebony Table Queen</u>	7 []
<u>long to very long</u>		8 []
<u>very long</u>		9 []
<u>not applicable</u>		[]
5.16 Only Neck type varieties: Fruit: length (31.3)		
<u>very short</u>		1 []
<u>very short to short</u>		2 []
<u>short</u>	<u>Wryneck</u>	3 []
<u>short to medium</u>		4 []
<u>medium</u>	<u>Yellow Summer Crookneck</u>	5 []
<u>medium to long</u>		6 []
<u>long</u>	<u>Sunbar</u>	7 []
<u>long to very long</u>		8 []
<u>very long</u>		9 []
<u>not applicable</u>		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.17 (31.4) Only Zucchini type varieties: Fruit: length		
very short	<u>Jericho</u>	1 []
very short to short		2 []
short	<u>Jedida</u>	3 []
short to medium		4 []
medium	<u>Cora</u>	5 []
medium to long		6 []
long	<u>Carlotta</u>	7 []
long to very long		8 []
very long	<u>Altea</u>	9 []
not applicable		[]
5.18 (32.1) Only Scallop type varieties: Fruit: maximum diameter		
very small		1 []
very small to small		2 []
small	<u>Scallopini</u>	3 []
small to medium		4 []
medium	<u>Yellow Bush Scallop</u>	5 []
medium to large		6 []
large	<u>White Bush Scallop</u>	7 []
large to very large		8 []
very large		9 []
not applicable		[]
5.19 (32.2) Only Acorn type varieties: Fruit: maximum diameter		
very small		1 []
very small to small		2 []
small	<u>Table Gold</u>	3 []
small to medium		4 []
medium	<u>Table King</u>	5 []
medium to large		6 []
large	<u>Swan White Acorn</u>	7 []
large to very large		8 []
very large		9 []
not applicable		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.20 Only Zucchini type varieties: Fruit: maximum diameter (32.3)		
very small		1 []
very small to small		2 []
small	Goldi	3 []
small to medium		4 []
medium	Opal	5 []
medium to large		6 []
large	Jericho, Spidi	7 []
large to very large		8 []
very large		9 []
not applicable		[]
5.21 Only Pumpkin type varieties: Fruit: size (34.1)		
very small	Wee-B-Little	1 []
very small to small		2 []
small	Peek-a-Boo	3 []
small to medium		4 []
medium	Spirit	5 []
medium to large		6 []
large	Ghost Rider	7 []
large to very large		8 []
very large	Howden	9 []
not applicable		[]
5.22 Only Rondini type varieties: Fruit: size (34.2)		
very small		1 []
very small to small		2 []
small	Pomme d'Or	3 []
small to medium		4 []
medium	Rolet	5 []
medium to large		6 []
large	Little Gem	7 []
large to very large		8 []
very large		9 []
not applicable		[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.23 Fruit: grooves			
(46)			
<u>absent</u>		1[]	
<u>present</u>		9[]	
5.5 24 Fruit: main color of skin (excluding color of dots, patches, stripes and bands)			
(50)			
white	Pâtisson blanc panaché de vert	1[]	
cream	Early White Bush Scallop, Little Boo	2[]	
yellow	Autumn Gold	3[]	
green	Ambassador, Baby Bear	4[]	
partly white and partly yellow		5[]	
partly white and partly green		6[]	
partly yellow and partly green	Sunburst, Zephyr	7[]	
5.25 Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50)			
(51)			
<u>very light</u>		1[]	
<u>very light to light</u>		2[]	
<u>light</u>		3[]	
<u>light to medium</u>		4[]	
<u>medium</u>		5[]	
<u>medium to dark</u>		6[]	
<u>dark</u>		7[]	
<u>dark to very dark</u>		8[]	
<u>very dark</u>		9[]	
<u>not applicable</u>		[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.26 Only varieties with yellow color of skin: Fruit: intensity of yellow (52) color of skin (as for 50)		
very light		1 []
very light to light		2 []
light		3 []
light to medium		4 []
medium		5 []
medium to dark		6 []
dark	Cora	7 []
dark to very dark		8 []
very dark	Baby Bear, Sardane	9 []
not applicable		[]
5.27 Fruit: stripes in grooves (54)		
absent	Baby Bear, Jack Be Little	1 []
present	Delicata, Heart of Gold, Pâtisson jaune panaché de vert	9 []
5.28 Fruit: dots (57)		
absent	Sunburst	1 []
present	Gold Rush, Table Queen	9 []
5.29 Fruit: secondary green color between ribs (excluding dots) (59)		
absent	Grey Zucchini, Small Sugar	1 []
present	Beatrice, Greyzini, Heart of Gold, Steierischer Ölkürbis, Tonda Padana, Zubi	9 []
5.30 Fruit: distribution of secondary green color between ribs (61)		
sparse patches	Greyzini, Elite	1 []
dense patches	Steierischer Ölkürbis	2 []
one colored stripes	Altea	3 []
two colored stripes		4 []
one colored bands covering the whole surface	Badger Cross, Twickers, Zubi	5 []
two colored bands covering the whole surface	Beatrice	6 []

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.31 (69)	Ripe fruit: main color of skin (excluding color of mottles, patches, stripes and bands)		
<u>white</u>	<u>Pâtisson blanc panaché de vert</u>	1]
<u>whitish</u>	<u>White Bush Scallop</u>	2]
<u>cream</u>	<u>Bianchini, Opal</u>	3]
<u>yellow</u>	<u>Gold Rush</u>	4]
<u>orange</u>	<u>Autumn Gold</u>	5]
5.32 (71)	Ripe fruit: secondary color of skin (as for 69)		
<u>whitish</u>		1]
<u>cream</u>		2]
<u>yellow</u>		3]
<u>orange</u>		4]
<u>green</u>		5]
5.33 (74)	Ripe fruit: color of flesh		
<u>cream</u>	<u>Elite</u>	1]
<u>yellow</u>	<u>Sunburst, Vegetable Spaghetti</u>	2]
<u>orange</u>	<u>Autumn Gold</u>	3]

[Annex VIII follows]

ANNEX VIII

Test Guidelines for Watermelon (document TG/142/5 Rev.)

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 Ploidy (1)		
diploid	SP 4, Sugar Baby, Yamato 3	2[]
triploid	Boston, TRIX 313	3[]
tetraploid		4[]
5.2 Leaf blade: degree of lobing (8)		
<u>absent or very weak</u>	<u>Sunshade</u>	<u>1[]</u>
<u>very weak to weak</u>		<u>2[]</u>
<u>weak</u>	<u>Estrella, Karistan</u>	<u>3[]</u>
<u>weak to medium</u>		<u>4[]</u>
<u>medium</u>	<u>Crimson Sweet, Crisby</u>	<u>5[]</u>
<u>medium to strong</u>		<u>6[]</u>
<u>strong</u>	<u>Cadanz</u>	<u>7[]</u>
<u>strong to very strong</u>		<u>8[]</u>
<u>very strong</u>	<u>SP 1</u>	<u>9[]</u>
5.2.3 Fruit: weight (11)		
very low	Monaco, New Hampshire Midget	1[]
very low to low	Mini, Petite Perfection	2[]
low	Angela	3[]
low to medium	Pasion, Sugar Baby	4[]
medium	Boston	5[]
medium to high	Crimson Sweet, Panonnia	6[]
high	Fabiola	7[]
high to very high	Jubilee	8[]
very high	Carolina Cross, Cobb's Gem, Florida Giant	9[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.3.4 Fruit: shape in longitudinal section (12)		
circular	Camilla, Kanro	1[]
broad elliptic	Fumin, Gray Belle, Yellow Baby, Zorba	2[]
medium elliptic	Congo, Kurobe, Picnic	3[]
narrow elliptic	All Sweet, Charleston Gray	4[]
5.4.5 Fruit: ground color of skin (16)		
yellow	Taiyô	1[]
very light green	Ipanema	2[]
very light green to light green	Napsugar	3[]
light green	Tigre	4[]
light green to medium green	Pepsin	5[]
medium green	Ovation, Talete	6[]
medium green to dark green	Odem, Resistant, Sweet Marvel	7[]
dark green	Sugar Baby	8[]
dark green to very dark green	Augusta, Rocio	9[]
very dark green		10[]
5.6 Fruit: pattern of stripes (18)		
<u>only one colored</u>	<u>Congo</u>	<u>1[]</u>
<u>one colored and veins</u>	<u>Trix Palomar</u>	<u>2[]</u>
<u>one colored, veins and marbled</u>	<u>Boston</u>	<u>3[]</u>
<u>one colored and marbled</u>	<u>Jenny</u>	<u>4[]</u>
<u>two colored, veins and marbled</u>	<u>Crisby</u>	<u>5[]</u>
<u>only veins</u>		<u>6[]</u>

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.5 7 Fruit: width of stripes (19)		
very narrow	SP 4, Tiny Orchid	1[]
very narrow to narrow		2[]
narrow	Boston	3[]
narrow to medium		4[]
medium	Crimson Sweet	5[]
medium to broad		6[]
broad	Sangria	7[]
broad to very broad		8[]
very broad	All Sweet	9[]
5.8 Fruit: main color of stripes (20)		
<u>yellow</u>		<u>1[]</u>
<u>very light green</u>		<u>2[]</u>
<u>light green</u>		<u>3[]</u>
<u>medium green</u>		<u>4[]</u>
<u>dark green</u>		<u>5[]</u>
<u>very dark green</u>		<u>6[]</u>
5.9 Fruit: conspicuousness of stripes (21)		
<u>inconspicuous or very weakly conspicuous</u>	<u>Augusta</u>	<u>1[]</u>
<u>weak</u>	<u>Odem</u>	<u>2[]</u>
<u>medium</u>	<u>Trix Palomar</u>	<u>3[]</u>
<u>strong</u>	<u>Jenny</u>	<u>4[]</u>
<u>very strong</u>	<u>A graine rouge à confire à chair verte</u>	<u>5[]</u>
5.6 10 Fruit: margin of stripes (22)		
diffuse	Crimson Glory, Crisby	1[]
medium	Crimson Sweet	2[]
sharp	Jenny, Jubilee	3[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.11 (27)	Fruit: thickness of pericarp		
<u>very thin</u>	<u>Bibo, Tiny Orchid, Luciano</u>	1[]	
<u>very thin to thin</u>		2[]	
<u>thin</u>	<u>À graine rouge à confire à chair verte. Beni-kodama, Jenny, Kahô, Kassai</u>	3[]	
<u>thin to medium</u>		4[]	
<u>medium</u>	<u>Pannonia, Sugar Baby, Sugar Belle, Yamato 3</u>	5[]	
<u>medium to thick</u>		6[]	
<u>thick</u>	<u>Charleston Gray, Crimson Sweet, Kurobe, Triple Sweet, Sunrise</u>	7[]	
<u>thick to very thick</u>		8[]	
<u>very thick</u>	<u>Coles Early, Kholodok</u>	9[]	
5.7 12 (28)	Fruit: main color of flesh		
white	SP 4, SP 1, Yamato Cream 3	1[]	
yellow	Napsugár, Yamato Cream 1	2[]	
orange	Kahô, Tendersweet	3[]	
pink	Sadul	4[]	
pinkish red	Bingo, Crimson Sweet	5[]	
red	Asahi Miyako Hybrid, Sugar Baby, Toppun	6[]	
dark red	Dixie Lee	7[]	
5.13 (29)	Only triploid varieties: Seed coat: size		
<u>small</u>	<u>Petite Perfection</u>	2[]	
<u>medium</u>	<u>Boston, Valdoria, Sweet Sun</u>	3[]	
<u>large</u>	<u>Ortal, Tigre, Pasion</u>	4[]	
<u>not applicable</u>		[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.8 14 <u>Only diploid and tetraploid varieties:</u> Seed: length (31)		
very short	Kudam	1[]
very short to short		2[]
short	Pannonnia, Tabata	3[]
short to medium		4[]
medium	Sugar Baby	5[]
medium to long		6[]
long	Charleston Gray, Kurobe	7[]
long to very long		8[]
very long	Malali, Wanli	9[]
<u>not applicable</u>		[]
5.9 15 <u>Only diploid and tetraploid varieties:</u> Seed: ground color of testa (33)		
white	Sanpaku	1[]
cream	Kurobe	2[]
green	A confire allongée à graine verte, Green Citron	3[]
red	A graine rouge à confire à chair verte, Red Citron	4[]
red brown	Kahô	5[]
brown	Otome, Sugar Baby	6[]
black	Yamato Cream	7[]
<u>not applicable</u>		[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.16 (36)	Time of female flowering	
<u>very early</u>		1 []
<u>very early to early</u>		2 []
<u>early</u>	<u>Tiny Orchid</u>	3 []
<u>early to medium</u>		4 []
<u>medium</u>	<u>Sugar Baby, Yamato 3</u>	5 []
<u>medium to late</u>		6 []
<u>late</u>	<u>Kurobe</u>	7 []
<u>late to very late</u>		8 []
<u>very late</u>		9 []
5.17 (37.1)	Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 0	
<u>absent</u>	<u>Kahô, Sugar Baby</u>	1 []
<u>present</u>	<u>Calhoun Gray, Charleston Gray</u>	9 []
<u>not tested</u>		[]
5.18 (37.2)	Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 1	
<u>absent</u>	<u>Charleston Gray, Kahô, Sugar Baby</u>	1 []
<u>present</u>	<u>Calhoun Gray</u>	9 []
<u>not tested</u>		[]
5.19 (37.3)	Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 2	
<u>absent</u>	<u>Calhoun Gray, Kahô</u>	1 []
<u>present</u>	<u>PI 296341-FR</u>	9 []
<u>not tested</u>		[]
5.20 (38.1)	Resistance to <i>Colletotrichum orbiculare</i> – Race 1	
<u>absent</u>	<u>Black Diamond, Calhoun Gray, Kahô</u>	1 []
<u>present</u>	<u>Charleston Gray, Congo, Jubilee</u>	9 []
<u>not tested</u>		[]

Test Guidelines for Tomato Rootstocks (document TG/294/1 Corr. Rev. 3)

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 (2) <u>Plant: height</u>		
<u>very short</u>		1[]
<u>very short to short</u>		2[]
<u>short</u>	<u>Big Power</u>	3[]
<u>short to medium</u>		4[]
<u>medium</u>	<u>Maxifort</u>	5[]
<u>medium to tall</u>		6[]
<u>tall</u>	<u>Beaufort</u>	7[]
<u>tall to very tall</u>		8[]
<u>very tall</u>		9[]
5.2 (8) <u>Leaf: intensity of green color</u>		
<u>very light</u>		1[]
<u>very light to light</u>		2[]
<u>light</u>		3[]
<u>light to medium</u>		4[]
<u>medium</u>		5[]
<u>medium to dark</u>		6[]
<u>dark</u>	<u>Maxifort</u>	7[]
<u>dark to very dark</u>		8[]
<u>very dark</u>		9[]
5.4.3 (11) <u>Fruit: green shoulder</u>		
absent		1[]
present	Big Force, Maxifort	9[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.4 (14) Fruit: conspicuousness of meridian stripes			
very weak	He Wolf	1[]	
weak	Popeye	2[]	
medium	Body	3[]	
strong	Vigomax	4[]	
very strong		5[]	
5.5 (16) Fruit: size			
not developed or very small	RT303	1[]	
very small to small		2[]	
small	Body, Optifort	3[]	
small to medium		4[]	
medium	Emperador	5[]	
medium to large		6[]	
large	Titron	7[]	
large to very large		8[]	
very large		9[]	
5.2 6 (17) Fruit: shape in longitudinal section			
broad oblate	He-Wolf	1[]	
narrow oblate	Gladiator	2[]	
circular	Maxifort	3[]	
obovate		4[]	
5.3 7 (18) Fruit: number of locules			
only two	Maxifort	1[]	
two and three		2[]	
5.4 8 (19) Fruit: color at maturity			
green	Big Force	1[]	
yellowish	Vigomax	2[]	
orangish	Titron	3[]	
reddish	Brigeor	4[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.9 (21) Autonecrosis		
absent	Maxifort	1[]
present	Body	9[]
5.5 10 (22) Resistance to <i>Meloidogyne incognita</i> (Mi)		
susceptible	Bruce	1[]
moderately resistant		2[]
highly resistant	Emperador	3[]
5.6 11 (23) Resistance to <i>Verticillium</i> sp. (Va and Vd) - Race 0		
absent		1[]
present	Big Power	9[]
5.8 12 (24) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) - Race 0EU/1US		
absent		1[]
present	Emperador	9[]
5.9 13 (24.2) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) - Race 1EU/2US		
absent		1[]
present	Emperador	9[]
5.10 14 (24.3) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> (Fol) - Race 2EU/3US		
absent	Emperador	1[]
present	Colosus	9[]
5.11 15 (25) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>radicis-lycopersici</i> (Forl)		
absent	Kemerit	1[]
present	Emperador	9[]
5.16 (26.1) Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Race 0		
absent	King Kong	1[]
present	Bruce	9[]
not tested		[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
<u>5.17</u> <u>(26.2)</u>	<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group A</u>		
<u>absent</u>	<u>King Kong</u>	<u>1</u>	<u>]</u>
<u>present</u>	<u>Big Power</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.18</u> <u>(26.3)</u>	<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group B</u>		
<u>absent</u>	<u>King Kong</u>	<u>1</u>	<u>]</u>
<u>present</u>	<u>Bruce</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.19</u> <u>(26.4)</u>	<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group C</u>		
<u>absent</u>		<u>1</u>	<u>]</u>
<u>present</u>	<u>Big Power</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.20</u> <u>(26.5)</u>	<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group D</u>		
<u>absent</u>	<u>King Kong</u>	<u>1</u>	<u>]</u>
<u>present</u>	<u>Bruce</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.21</u> <u>(26.6)</u>	<u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Group E</u>		
<u>absent</u>	<u>Bruce, King Kong</u>	<u>1</u>	<u>]</u>
<u>present</u>	<u>Big Power</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.22</u> <u>(27.1)</u>	<u>Resistance to Tomato mosaic virus (ToMV) – Strain 0</u>		
<u>absent</u>		<u>1</u>	<u>]</u>
<u>present</u>	<u>Emperador</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	
<u>5.23</u> <u>(27.2)</u>	<u>Resistance to Tomato mosaic virus (ToMV) – Strain 1</u>		
<u>absent</u>		<u>1</u>	<u>]</u>
<u>present</u>	<u>Emperador</u>	<u>9</u>	<u>]</u>
<u>not tested</u>		<u>]</u>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<u>5.24</u> <u>(27.3)</u> <u>Resistance to Tomato mosaic virus (ToMV) – Strain 2</u>		
<u>absent</u>		1 []
<u>present</u>	<u>Emperador</u>	9 []
<u>not tested</u>		[]
<u>5.25</u> <u>(28)</u> <u>Resistance to <i>Pyrenochaeta lycopersici</i> (Pl)</u>		
<u>absent</u>		1 []
<u>present</u>	<u>Emperador</u>	9 []
<u>not tested</u>		[]
<u>5.26</u> <u>(29)</u> <u>Resistance to <i>Stemphylium</i> spp. (Ss)</u>		
<u>absent</u>	<u>Big Power</u>	1 []
<u>present</u>	<u>Body</u>	9 []
<u>not tested</u>		[]
<u>5.27</u> <u>(30)</u> <u>Resistance to Tomato yellow leaf curl virus (TYLCV)</u>		
<u>absent</u>	<u>Big Power</u>	1 []
<u>present</u>		9 []
<u>not tested</u>		[]
<u>5.28</u> <u>(31)</u> <u>Resistance to Tomato spotted wilt virus (TSWV)</u>		
<u>absent</u>	<u>Emperador</u>	1 []
<u>present</u>	<u>Enpower</u>	9 []
<u>not tested</u>		[]
<u>5.29</u> <u>(32)</u> <u>Resistance to <i>Oidium neolycopersici</i> (On)</u>		
<u>absent</u>		1 []
<u>present</u>	<u>Multifort</u>	9 []
<u>not tested</u>		[]

[Annex X follows]

Test Guidelines for Rose (document TG/11/8 Rev.)

The proposed changes to TQ 5 are presented in highlight and underline and ~~strikethrough~~.

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) Plant: growth type		
miniature		1[]
dwarf	Korverlandus (G)	2[]
bed	Taneidol (G)	3[]
shrub	Kolmag (G)	4[]
climber	Noasafa (G)	5[]
ground cover	Meifafio (G)	6[]
5.2 (6) <u>Stem: number of prickles (excluding very small and hair-like prickles)</u>		
<u>absent or very few</u>	<u>Ruiorg (G); Meibegil (P)</u>	1[]
<u>very few to few</u>		2[]
<u>few</u>	<u>Schremna (C); Kortionza (G); Poulcolop (P)</u>	3[]
<u>few to medium</u>		4[]
<u>medium</u>	<u>Selaurum (C); Bokramar (G); Kormisso (P)</u>	5[]
<u>medium to many</u>		6[]
<u>many</u>	<u>Meineble (G); Evera105 (P)</u>	7[]
<u>many to very many</u>		8[]
<u>very many</u>	<u>Deljam (G)</u>	9[]
5.3 (7) <u>Prickles: predominant color (as for 6)</u>		
<u>greenish</u>	<u>Presur (C); Kolmag (G); Poulcar (P)</u>	1[]
<u>yellowish</u>	<u>Ruiy0775 (P)</u>	2[]
<u>reddish</u>	<u>Bokrarug (G); Delpajor (P)</u>	3[]
<u>purplish</u>	<u>Kornairol (G); Evera102 (P)</u>	4[]


TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.2.4 (21)	Flower: type		
single	Noastrauss (G)	1[]	
semi-double	Poulfiry (G); Poulnil (P)	2[]	
double	TAN97103 (G); Korlobea (P)	3[]	
5.5 (22)	Flower: number of petals		
<u>very few</u>	<u>Noala (G); Delmitaf (P)</u>	<u>1[]</u>	
<u>very few to few</u>		<u>2[]</u>	
<u>few</u>	<u>Predesplen (C); Tananilov (G); Korbersoma (P)</u>	<u>3[]</u>	
<u>few to medium</u>		<u>4[]</u>	
<u>medium</u>	<u>Ruiy5451 (C); Poulscots (G); Ruiklinko (P)</u>	<u>5[]</u>	
<u>medium to many</u>		<u>6[]</u>	
<u>many</u>	<u>Lexani (C); Ruiharl (G); Meiraktas (P)</u>	<u>7[]</u>	
<u>many to very many</u>		<u>8[]</u>	
<u>very many</u>	<u>Meiroupis (G); Poulwen (P)</u>	<u>9[]</u>	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.3.6 (23) Flower: color group		
white or near white	Korcilmo (C); Meilontig (G); Poulra022 (P)	1[]
white blend	Specdown (C); TAN98505 (C); TAN97123 (G); Rush (G)	2[]
green	NirpgreenI (C); Korewala (P)	3[]
yellow	Korflapei (C); Poulyc004 (G); Delmitaf (P)	4[]
yellow blend (includes varieties which are primarily yellow, but show some tones of some other hues)	TAN00125 (C); Rumba (G); Ruiabri (P)	5[]
orange	Alsever (P); Tanoranbon (G)	6[]
orange blend (includes varieties which are primarily orange, but show some tones of some other hues)	Presur (C); Meishulo (P)	7[]
pink	Schremeen3001 (C); Noasia (G); Korfonsova (P)	8[]
pink blend (includes varieties which are primarily pink, but show some tones of some other hues)	Schremna (C); Korfeining (G); Poulmeno (P)	9[]
red	Predepass (C); Noafeuer (G); Ruikenre (P)	10[]
red blend (includes varieties which are primarily red, but show some tones of some other hues)	Meilambra (C); Interuspa (G); Delmigre (P)	11[]
red purple	Nirpillpro (C); Poulac016 (P)	12[]
purple	Olyung (C); Stebigpu (G)	13[]
violet blend (includes varieties which are primarily violet but show some tones of some other hues (like mauve and/or lavender)	Scholtec (C); Korflieder (P)	14[]
brown blend (includes varieties which are primarily brown but show some tones of some other hues (like red)	Simcho (G)	15[]
multicolored (varieties with more than one color in sharply defined contrasting zones which are primarily contrasting multicolored only (not blend colors))	Delmitaf (P)	16[]

TECHNICAL QUESTIONNAIRE		Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note	
5.4 7 (26)	Flower: diameter		
very small	Noastrauss (G); Poulset (P)	1[]	
<u>very small to small</u>		2[]	
small	Interlis (C); Clb.canibo 82 (G); Meiraktas (P)	3[]	
<u>small to medium</u>		4[]	
medium	Schremna (C); Poulberg (G); Ruiz1491 (P)	5[]	
<u>medium to large</u>		6[]	
large	Selaurum (C); Adesmanod (G); Korewala (P)	7[]	
<u>large to very large</u>		8[]	
very large	Koranderer (G); Evera116 (P)	9[]	
5.8 (27)	Flower: shape		
<u>round</u>	<u>Ruirovingt (C); Meiouscki (G); Evera101 (P)</u>	1[]	
<u>irregularly rounded</u>	<u>Ruvi5451 (C); Kormarec (G); Korkallet (P)</u>	2[]	
<u>star-shaped</u>	<u>Predesplen (C); Anakissi (G); Poulra023 (P)</u>	3[]	
5.9 (30)	Flower: fragrance		
<u>absent or weak</u>	<u>Predesplen (C); Ruimats (G); Evera107 (P)</u>	1[]	
<u>medium</u>	<u>Poulsolo (G); Korduftoro (P)</u>	2[]	
<u>strong</u>	<u>Tananirov (G)</u>	3[]	
5.5 10 (40)	Petal: number of colors on inner side (basal spot excluded)		
one	Selaurum (C), TAN98130 (G); Ruibrei (P)	1[]	
two	Baipeace (G); Delki (P)	2[]	
more than two	Delstrisang (G)	3[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.6 i (50) Petal: main color on the outer side (only if clearly different from inner side) RHS Colour Chart (indicate reference number) 		
5.6 ii (50) Petal: main color on the outer side (only if clearly different from inner side)		
green		1[-]
light yellow		2[-]
medium yellow		3[-]
orange		4[-]
pink		5[-]
red		6[-]
purple red		7[-]
brown red		8[-]

[Annex XI follows]

Test Guidelines for Wheat (document TG/3/12)

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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
<u>5.1</u> <u>Seed: color</u> <u>(1)</u>		
<u>white</u>	<u>(w) SY Ideo, (s) Blini</u>	<u>1 []</u>
<u>reddish</u>	<u>(w) Solehio, (s) Granary</u>	<u>2 []</u>
<u>purple</u>	<u>(w) Indigo</u>	<u>3 []</u>
<u>bluish</u>	<u>(w) Skorpion</u>	<u>4 []</u>
<u>5.1 2</u> <u>Time of ear emergence</u> <u>(7)</u>		
very early	(w) Accor, (s) Badiel	1 []
very early to early		2 []
early	(w) Solehio, (s) Sensas	3 []
early to medium		4 []
medium	(w) Sotchy CS, (s) Granary	5 []
medium to late		6 []
late	(w) Rosario, (s) Triso	7 []
late to very late		8 []
very late	(w) Adequat	9 []
<u>5.3</u> <u>Ear: glaucosity</u> <u>(10)</u>		
<u>absent or very weak</u>	<u>(w) Soissons</u>	<u>1 []</u>
<u>very weak to weak</u>		<u>2 []</u>
<u>weak</u>	<u>(w) Calobre, (s) Panifor</u>	<u>3 []</u>
<u>weak to medium</u>		<u>4 []</u>
<u>medium</u>	<u>(w) Solehio, (s) Granary</u>	<u>5 []</u>
<u>medium to strong</u>		<u>6 []</u>
<u>strong</u>	<u>(w) Edgar, (s) Specifik</u>	<u>7 []</u>
<u>strong to very strong</u>		<u>8 []</u>
<u>very strong</u>	<u>(w) Waximum</u>	<u>9 []</u>
<u>5.2 4</u> <u>Lower glume: hairiness on external surface</u> <u>(12)</u>		
absent	(w) Soissons, (s) Triso	1 []
present	(w) Franz, (s) Galera	9 []

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.3 5 (13) Plant: length		
very short	(w) Fronton	1 []
very short to short		2 []
short	(w) Apache, (s) Lennox	3 []
short to medium		4 []
medium	(w) Solehio, (s) FD 1 24	5 []
medium to long		6 []
long	(w) Antonius	7 []
long to very long		8 []
very long	(w) Capo	9 []
5.4 6 (14) Straw: pith in cross section		
thin	(w) SY Moisson, (s) FD 1 24	1 []
medium	(w) Apache, (s) Granary	2 []
thick or filled	(w) Synchro, (s) Olivart	3 []
5.5 7 (17) Ear: scurs or awns		
both absent	(s) Gorda	1 []
scurs present		2 []
awns present		3 []
5.6 8 (19) Ear: color		
white		1 []
colored		2 []
5.9 (20) <u>Lower glume: area of hairiness on internal surface</u>		
<u>tapering</u>	<u>(w) Solveiq, (s) Tybalt</u>	<u>1 []</u>
<u>parallel sided</u>	<u>(w) Solehio, (s) Granary</u>	<u>2 []</u>
<u>slightly clavate</u>	<u>(w) Homeros</u>	<u>3 []</u>
<u>strongly clavate</u>	<u>(w) Vulcanus</u>	<u>4 []</u>
<u>fusiform</u>	<u>(w) Apache, (s) FD 1 24</u>	<u>5 []</u>
5.7 10 (27) Seasonal type		
winter type	(w) Solehio	1 []
alternative type	(w) SY Moisson	2 []
spring type	(s) Lennox	3 []