

Technical Committee**TC/58/2****Fifty-Eighth Session
Geneva, October 24 and 25, 2022****Original:** English
Date: October 6, 2022

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 provide information on developments concerning Test Guidelines and 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
- Lettuce
- Maize
- Melon
- Rose
- Spinach
- Squash
- Tomato Rootstocks
- Watermelon
- Wheat

Revision of Technical Questionnaires of Test Guidelines

2. The TC is invited to note that:

(a) 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;

(b) a proposal for partial revision of the Test Guidelines for Wheat is presented in document TC/58/29;

(c) a proposal for the partial revision of the Test Guidelines for Maize to revise characteristic 24 and the Technical Questionnaire will be presented to the TWA at its fifty-first session;

(d) a proposal for partial revision of the Test Guidelines for Rose is presented in document TC/58/27; and

(e) the proposals for partial revision of the Test Guidelines for vegetable crops will continue to be discussed at the fifty-seventh session of the TWV, as set out in paragraph 22 of this document .

Additional Characteristics and States of Expression

3. The TC is invited to note:

(a) the additional state of expression and characteristic notified to the Office of the Union since the fifty-seventh session of the TC, as set out in Annex X to this document; and

(b) that the additional state of expression and characteristic notified will be presented to the TWV, at its fifty-seventh session, for consideration on whether to be posted on the TG Drafters’ webpage of the UPOV website and/or to initiate a partial revision of the Test Guidelines for Asparagus and Lettuce.

Test Guidelines for adoption

4. The TC is invited to note the list of draft Test Guidelines planned for adoption by the TC, subject to any changes proposed by the TC-EDC, as set out in Annex XI to this document.

Corrections to Test Guidelines

5. The TC is invited to note the corrections to be made to the adopted Test Guidelines for Black Walnut (document TG/332/1), Chrysanthemum (document TG/26/5 Corr. 2 Rev.) and Heuchera; Heucherella (document TG/280/1), as set out in paragraph 32 of this document.

Draft Test Guidelines discussed by the TWPs in 2022

6. The TC is invited to note the draft Test Guidelines discussed by the TWPs, at their sessions in 2022, as listed in Annex XII to this document.

Test Guidelines adopted by correspondence in 2022

7. The TC is invited to note the draft Test Guidelines adopted by correspondence, as set out in Annex XIII to this document.

Draft Test Guidelines to be discussed by the TWPs in 2023

8. The TC is invited to consider the program for the development of new Test Guidelines and for the revision of adopted Test Guidelines, as set out in Annex XIV to this document.

Status of existing Test Guidelines or draft Test Guidelines

9. The TC is invited to note the list of existing Test Guidelines, as presented on the UPOV website (see: https://www.upov.int/test_guidelines/en/list.jsp).

Superseded Test Guidelines

10. The TC is invited to note that the superseded versions of Test Guidelines are available on the "Superseded Test Guidelines" page of the UPOV website (https://www.upov.int/test_guidelines/en/list_supersede.jsp).

11. The structure of this document is as follows:

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12. The following abbreviations are used in this document:

TC:	Technical Committee
TC-EDC:	Enlarged Editorial Committee
TWA:	Technical Working Party for Agricultural Crops
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

REVISION OF TECHNICAL QUESTIONNAIRES OF TEST GUIDELINES

13. The background to this matter is provided in document TC/57/2 “Test Guidelines”.

14. The TC, at its fifty-sixth session¹, agreed to invite the Office of the Union to consult interested members of the Union to explore for which Test Guidelines it would be feasible to propose partial revisions that would enable members of the Union to follow a revised UPOV Technical Questionnaire (see document TC/56/23 “Report”, paragraph 79).

Relationship between Asterisked, Grouping and TQ characteristics

15. 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.

16. 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.

17. 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.

18. The TWPs, at their sessions in 2022, noted that no proposals had been 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. (see documents TWA/51/11 “Report”, paragraph 64; TWF/53/14, “Report”, paragraph 112; TWM/1/26 “Report”, paragraph 8, TWO/54/6 “Report”, paragraph 23; and TWV/56/22 “Report”, paragraph 101).

19. The TC is 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.

¹ Held via electronic means on October 27 and 28, 2020

Proposals for partial revisions of test guidelines

20. The TC, at its fifty-seventh session², agreed that the following Test Guidelines 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	
TG/11/8 Rev.	Rose	See document TC/58/27

- TWA:

TG reference	Test Guidelines Common Name	Annex
TG/2/7	Maize	Annex I
TG/3/12	Wheat	See document TC/58/29

21. The proposals for partial revision of Test Guidelines for inclusion of characteristics from the Table of Characteristics in the Technical Questionnaires are presented in revisions made in Annexes I to IX of this document and document TC/58/27 and TC/58/29. 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.

Consideration by the Technical Working Parties at their sessions in 2022

Technical Working Party for Agricultural Crops

65. The TWA, at its fifty-first session, considered the proposals for partial revisions of the Test Guidelines for Maize and Wheat, as set out in document TWP/6/10, paragraph 23 and Annexes I and XI (see document TWA/51/11 "Report", paragraphs 63 to 67).

66. The TWA agreed to propose the partial revision of the Test Guidelines for Wheat, as set out in document TWP/6/10, paragraph 23 and Annex XI. The partial revision of the Test Guidelines for Wheat is presented in document TC/58/29.

67. The TWA agreed to continue discussions on the partial revision of the Test Guidelines for Maize at its fifty-second session and agreed to invite Ms. Bronislava Bátorová (European Union) to present a new draft to clarify the wording of options "not applicable"; and to revise characteristic 24.1 and 24.2 "Plant: length".

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

Technical Working Party for Ornamental Plants and Forest Trees

22. The TWO, at its fifty-fourth session, agreed to propose the partial revisions of the Test Guidelines for Rose, as set out in document TWP/6/10, paragraph 23 and Annex X (see document TWO/54/6 "Report", paragraph 81). The partial revision of the Test Guidelines for Rose is presented in document TC/58/27.

Technical Working Party for Vegetables

23. The TWV considered the proposals for partial revisions of the Test Guidelines for Maize, Lettuce, Carrot, Spinach, Cucumber, Melon, Squash, Watermelon and Tomato Rootstocks, as set out in document TWP/6/10, paragraph 25 and Annexes I to IX (see document TWV/56/11 "Report, paragraphs 102 and 103) .

24. The TWV noted that further comments had been received on the proposals and that it would not be possible to reach a conclusion during the session. The TWV agreed to continue discussions at its fifty-seventh session and invited Ms. Bronislava Bátorová (European Union) to present a new proposal for the Technical Questionnaire for maize to clarify the wording of states "not applicable" on the reasons for exclusion from observation.

25. *The TC is invited to note that:*

(a) *a proposal for partial revision of the Test Guidelines for Wheat is presented in document TC/58/29;*

(b) *a proposal for the partial revision of the Test Guidelines for Maize to revise characteristic 24 and the Technical Questionnaire will be presented to the TWA at its fifty-first session;*

(c) *a proposal for partial revision of the Test Guidelines for Rose is presented in document TC/58/27; and*

(d) *the proposals for partial revision of the Test Guidelines for vegetable crops will continue to be discussed at the fifty-seventh session of the TWV, as set out in paragraph 22 of this document.*

ADDITIONAL CHARACTERISTICS / STATES OF EXPRESSION

26. Document TGP/5 Section 10/3 "Experience and Cooperation in DUS Testing, Section 10: Notification of Additional Characteristics and States of Expression" states that "proposals for additional characteristics and states of expression notified to the Office of the Union by means of document TGP/5 Section 10, will be presented to the relevant Technical Working Party(ies) (TWP(s)) at the earliest opportunity with information on the extent of use of the characteristic. The characteristics will then, as appropriate, be posted on the TG Drafters' webpage of the UPOV website (https://www.upov.int/resource/en/tg_drafters.html) on the basis of comments made by the relevant TWP(s), and/or the TWP(s) may initiate a revision or a partial revision of the Test Guidelines concerned."

27. The UPOV Office received notifications of the following additional characteristics or states of expression since the fifty-seventh session of the Technical Committee. The additional characteristics or states of expression notified will be presented to the TWV, at its fifty-seventh session, for consideration on whether these should be posted on the TG Drafters' webpage of the UPOV website and/or whether to initiate a revision or partial revision of the documents.

Notified by the European Union (see: Annex X (in English only)):

Additional state of expression: TG/130/4 Asparagus

- Char. 16: Type of flowering

Additional characteristic: TG/13/11 Lettuce

- Char. "Resistance to *Bremia lactucae* (BI) Isolate PT2036"

28. *The TC is invited to note:*

(a) *the additional state of expression and characteristic notified to the Office of the Union since the fifty-seventh session of the TC, as set out in Annex X to this document; and*

(b) *that the additional state of expression and characteristic notified will be presented to the TWV, at its fifty-seventh session, for consideration on whether to be posted on the TG Drafters' webpage of the UPOV website and/or to initiate a partial revision of the Test Guidelines for Asparagus and Lettuce.*

TEST GUIDELINES FOR ADOPTION

29. The TC, at its forty-seventh session, held in Geneva from April 4 to 6, 2011, noted that the Council, at its forty-third ordinary session, held in Geneva on October 22, 2009, had endorsed the practice whereby Test Guidelines are adopted by the TC on behalf of the Council on the basis of the program of work approved by the Council, without the individual Test Guidelines being submitted to the Council for review (see document C/43/17 "Report", paragraph 38).

30. At its fifty-fifth ordinary session, held in Geneva on October 29, 2021, the Council approved the work of the TC and the work programs of the TWPs and BMT reported to the TC, as provided in document TC/57/25 "Report" (see document C/55/18 "Report", paragraph 50).

31. Annex XI to this document presents the list of draft Test Guidelines proposed for adoption by the TWV, TWA, TWO and TWF, at their sessions in 2022, which will be considered by the TC-EDC at its meeting on October 18 and 19, 2022.

32. *The TC is invited to note the list of draft Test Guidelines planned for adoption by the TC, subject to any changes proposed by the TC-EDC, as set out in Annex XI to this document.*

CORRECTIONS TO TEST GUIDELINES

33. The following corrections to Test Guidelines will be made and published on the UPOV website after the fifty-seventh session of the TC:

(a) TG/332/1 Black Walnut

The correction concerns the following items:

- Characteristic 19: correction of example varieties presented in reverse order between states 1 and 3

(b) TG/26/5 Corr. 2 Rev. Chrysanthemum

The correction concerns the following items:

- Characteristic 28: French and German translations to read: "Variétés buissonnantes seulement" and "Nur buschige Sorten"

- (c) TG/280/1 Heuchera; Heucherella / Document TGP/14 “Glossary of terms used in UPOV documents”

The correction concerns the following items:

- Section 8.2, Worked Example Two – Venus (variety with several leaf colors), 45: Leaf blade: color three: distribution: to read: “between veins in intermediate central zone (5)”
- The same explanation is reproduced in document TGP/14 “Glossary of terms used in UPOV documents” and would be corrected as a consequential change.

34. The TC is invited to note the corrections to be made to the adopted Test Guidelines for Black Walnut (document TG/332/1), Chrysanthemum (document TG/26/5 Corr. 2 Rev.) and Heuchera; Heucherella (document TG/280/1), as set out in paragraph 32 of this document.

DRAFT TEST GUIDELINES DISCUSSED BY THE TWPS IN 2022

35. The Test Guidelines discussed by the TWPs at their sessions in 2022 are presented in Annex XII to this document.

36. The TC is invited to note the draft Test Guidelines discussed by the TWPs, at their sessions in 2022, as listed in Annex XII to this document.

TEST GUIDELINES ADOPTED BY CORRESPONDENCE IN 2022

Background

37. The Council, at its thirty-fourth extraordinary session, held in Geneva on April 6, 2017, decided to organize a single set of sessions from 2018, in the period of October/November (see document C(Extr.)/34/6 “Report on the decisions”, paragraphs 12 to 14). From 2018, the meetings of the TC will take place in October/November instead of March/April.

38. The Council decided to adopt the proposal of the TC, at its fifty-third session, that Test Guidelines that could not be prepared in time for adoption by the Technical Committee at its session could be adopted by correspondence on the basis of the recommendations by the TC-EDC.

Adoptions by correspondence

39. The TC-EDC, at its meeting held in Geneva on March 22, 2022, considered the draft Test Guidelines submitted for adoption by the TWPs. The TC-EDC recommended the adoption by correspondence of the Test Guidelines presented in Annex XII to this document, subject to editorial amendments.

40. On August 12, 2022, the Office of the Union issued Circular E-22/119 proposing the adoption by correspondence of the revised draft Test Guidelines incorporating the editorial amendments recommended by the TC-EDC. No objections were received by the Office of the Union and the Test Guidelines were considered as adopted by the TC by correspondence.

41. The TC is invited to note the draft Test Guidelines adopted by correspondence, as set out in Annex XIII to this document.

DRAFT TEST GUIDELINES TO BE DISCUSSED BY THE TWPS IN 2023

Proposals from Technical Working Parties

42. For their sessions in 2023, the TWPs proposed to discuss the development of new Test Guidelines, or the revision of adopted Test Guidelines, as listed in Annex XIV to this document.

43. *The TC is invited to consider the program for the development of new Test Guidelines and for the revision of adopted Test Guidelines, as set out in Annex XIV to this document.*

STATUS OF EXISTING TEST GUIDELINES OR DRAFT TEST GUIDELINES

44. The list of existing Test Guidelines is available on the UPOV website (see: https://www.upov.int/test_guidelines/en/list.jsp).

45. Draft Test Guidelines are published as provisional working documents on the respective pages of the Technical Working Parties and have no status until adopted by the Technical Committee (available at: <https://www.upov.int/meetings/en/topic.jsp>).

46. *The TC is invited to note the list of existing Test Guidelines, as presented on the UPOV website (see: https://www.upov.int/test_guidelines/en/list.jsp).*

SUPERSEDED TEST GUIDELINES

47. The superseded versions of Test Guidelines are available on the “Superseded Test Guidelines” page of the UPOV website (available at: https://www.upov.int/test_guidelines/en/list_supersede.jsp).

48. *The TC is invited to note that the superseded versions of Test Guidelines are available on the “Superseded Test Guidelines” page of the UPOV website (https://www.upov.int/test_guidelines/en/list_supersede.jsp).*

Abbreviations

<u>TWA</u>	Technical Working Party for Agricultural Crops
<u>TWF</u>	Technical Working Party for Fruit Crops
<u>TWO</u>	Technical Working Party for Ornamental Plants and Forest Trees
<u>TWP</u>	Technical Working Party
<u>TWV</u>	Technical Working Party for Vegetables
<u>A</u>	adopted
<u>**</u>	ISO code of leading country in the drafting of the Test Guidelines
<u>proj.x:</u>	latest document presented to the relevant TWP(s)/TC
<u>proj.nov:</u>	no existing document
<u>2022*</u>	“Final” draft Test Guidelines discussed by the relevant TWP(s) in 2022
<u>2022</u>	Test Guidelines discussed by the relevant TWP(s) in 2022
<u>TC/58</u>	to be considered for adoption at the fifty-eight session of the TC (2022)
<u>TC-EDC/Mar23</u>	to be considered by the Enlarged Editorial Committee at its meeting in March 2023 for adoption by the TC by correspondence
<u>2023*</u>	“Final” draft Test Guidelines to be discussed by the relevant TWP(s) in 2023
<u>2023</u>	Test Guidelines to be discussed by the relevant TWP(s) in 2023

[Annex I follows]

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

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
<u>5.1</u> <u>First leaf: anthocyanin coloration of sheath</u> <u>(1)</u>		
<u>absent or very weak</u>	<u>0674, Jubilee (SC)</u>	<u>1</u> []
<u>very weak to weak</u>		<u>2</u> []
<u>weak</u>	<u>MO17, Puma (SC)</u>	<u>3</u> []
<u>weak to medium</u>		<u>4</u> []
<u>medium</u>	<u>F252,</u> <u>Gyöngymazsola (SC)</u>	<u>5</u> []
<u>medium to strong</u>		<u>6</u> []
<u>strong</u>	<u>F244</u>	<u>7</u> []
<u>strong to very strong</u>		<u>8</u> []
<u>very strong</u>		<u>9</u> []
<u>5.1 2</u> <u>Tassel: time of anthesis</u> <u>(8)</u>		
very early		1 []
very early to early	KW1069, Spirit (SC)	2 []
early	Champ (SC), F257	3 []
early to medium	Centurion (SC), F259	4 []
medium	F522, Zenith (SC)	5 []
medium to late	A632	6 []
late	B73	7 []
late to very late	AM1513	8 []
very late		9 []

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 (11) Tassel: anthocyanin coloration of anthers		
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 (14) Tassel: number of primary lateral branches		
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 (15) Ear: time of silk emergence		
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 <u>Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop: Plant: length</u> (24.2)		
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 <u>Ear: length</u> (28)		
very short		1[]
<u>very short to short</u>		2[]
short	F2	3[]
<u>short to medium</u>		4[]
medium	A654, Spirit (SC)	5[]
<u>medium to long</u>		6[]
long	Empire (SC), MO17	7[]
<u>long to very long</u>		8[]
very long		9[]
5.11 <u>Ear: diameter (in middle)</u> (29)		
very small		1[]
<u>very small to small</u>		2[]
small	F7	3[]
<u>small to medium</u>		4[]
medium	W117	5[]
<u>medium to large</u>		6[]
large	Centurion (SC), F481	7[]
<u>large to very large</u>		8[]
very large	Empire (SC)	9[]

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

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

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:
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:
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) <u>Leaf: hue of anthocyanin coloration</u>		
<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) <u>Leaf: area covered by anthocyanin coloration</u>		
<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) <u>Leaf: color</u>		
<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) <u>Leaf: intensity of green color</u>		
<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 []

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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>		[]

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
<u>5.33</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[]	

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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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[]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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Characteristics	Example Varieties	Note
5.13 (19)	<u>Root: diameter of core relative to total diameter</u>	
<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)	<u>Root: color of core</u>	
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)	<u>Root: color of cortex</u>	
<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>		1[]
<u>very early to early</u>		2[]
<u>early</u>	<u>Touchon</u>	3[]
<u>early to medium</u>		4[]
<u>medium</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3, Tiana</u>	5[]
<u>medium to late</u>		6[]
<u>late</u>	<u>Bureau, Nantaise améliorée 7, Tancar</u>	7[]
<u>late to very late</u>		8[]
<u>very late</u>		9[]
<u>not applicable</u>		[]
5.17 (28)	Root: time of coloration of tip in longitudinal section	
<u>very early</u>	<u>Parijse Markt 3</u>	1[]
<u>very early to early</u>		2[]
<u>early</u>	<u>Amsterdam 2, Amsterdam 3</u>	3[]
<u>early to medium</u>		4[]
<u>medium</u>	<u>Nantaise améliorée 2, Nantaise améliorée 3</u>	5[]
<u>medium to late</u>		6[]
<u>late</u>	<u>De Colmar à cœur rouge 2, Touchon</u>	7[]
<u>late to very late</u>		8[]
<u>very late</u>	<u>Goliath</u>	9[]

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

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:
Characteristics	Example Varieties	Note	
5.4 8 (13)	Proportion of monoecious plants		
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 (14)	Proportion of female plants		
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 (15)	Proportion of male plants		
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) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 1		
<u>absent</u>	<u>Viroflay, Winterreuzen</u>	1[]
<u>present</u>	<u>Califlay, Resistoflay</u>	9[]
<u>not tested</u>		[]
5.13 (18.2) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 2		
<u>absent</u>	<u>Califlay</u>	1[]
<u>present</u>	<u>Resistoflay</u>	9[]
<u>not tested</u>		[]
5.14 (18.3) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 3		
<u>absent</u>	<u>Resistoflay</u>	1[]
<u>present</u>	<u>Califlay, Clermont</u>	9[]
<u>not tested</u>		[]
5.15 (18.4) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 4		
<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
5.16 (18.5) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 5		
<u>absent</u>	<u>Clermont</u>	1 []
<u>present</u>	<u>Califlay, Campania</u>	9 []
<u>not tested</u>		[]
5.17 (18.6) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 6		
<u>absent</u>	<u>Califlay, Campania</u>	1 []
<u>present</u>	<u>Boeing</u>	9 []
<u>not tested</u>		[]
5.18 (18.7) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 7		
<u>absent</u>	<u>Califlay</u>	1 []
<u>present</u>	<u>Campania</u>	9 []
<u>not tested</u>		[]
5.19 (18.8) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 8		
<u>absent</u>	<u>Boeing, Campania</u>	1 []
<u>present</u>	<u>Lazio, Lion</u>	9 []
<u>not tested</u>		[]
5.20 (18.9) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 10		
<u>absent</u>	<u>Boeing, Campania, Lion</u>	1 []
<u>present</u>	<u>Lazio</u>	9 []
<u>not tested</u>		[]
5.21 (18.10) Resistance to <i>Peronospora farinosa</i> f. sp. <i>spinaciae</i> (Pfs) Race Pfs: 11		
<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:
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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 []
<u>present</u>	<u>Finch, Pigeon, Red Kitten, Zebu</u>	9 []
<u>not tested</u>		[]
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 []
<u>present</u>	<u>Boeing, Lion</u>	9 []
<u>not tested</u>		[]
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 []
<u>present</u>	<u>Califlay, Lion</u>	9 []
<u>not tested</u>		[]
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 []
<u>present</u>	<u>Pigeon</u>	9 []
<u>not tested</u>		[]
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 []
<u>present</u>	<u>Caladonia</u>	9 []
<u>not tested</u>		[]
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 []
<u>present</u>	<u>Hydrus</u>	9 []
<u>not tested</u>		[]
5.28 (19) Resistance to Cucumber mosaic virus (CMV)		
<u>absent</u>	<u>Polka</u>	1 []
<u>present</u>	<u>Symphony</u>	9 []
<u>not tested</u>		[]

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:
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>	1 []	
<u>predominantly one or two</u>	<u>Brunex, Marumba</u>	2 []	
<u>predominantly two</u>	<u>Corona</u>	3 []	
<u>predominantly two or three</u>	<u>Tempo</u>	4 []	
<u>predominantly three or four</u>	<u>Tornac</u>	5 []	
<u>predominantly four or five</u>	<u>Melody</u>	6 []	
<u>predominantly more than five</u>	<u>Olympos</u>	7 []	
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>		2 []	
short		3 []	
<u>short to medium</u>		4 []	
medium	Gemini, Jazzer	5 []	
<u>medium to long</u>		6 []	
long	Corona	7 []	
<u>long to very long</u>		8 []	
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)		
<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)		
<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)		
<u>absent</u>	<u>Jizzer</u>	1 []
<u>present</u>	<u>Corona, Nabil</u>	9 []
5.17 (30)		
<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 (36)	Fruit: length of stripes		
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 (37)	Fruit: dots		
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 (44)	Resistance to <i>Cladosporium cucumerinum</i> (Ccu)		
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 (45)	Resistance to <i>Cucumber mosaic virus</i> (CMV)		
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 (46)	Resistance to Powdery mildew (<i>Podosphaera xanthii</i>) (Px)		
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:
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>		2[]
short	Galia	3[]
<u>short to medium</u>		4[]
medium	Clipper	5[]
<u>medium to long</u>		6[]
long	Piel de Sapo	7[]
<u>long to very long</u>		8[]
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, Védrentais	9[]
5.15 28 (69.2) Resistance to <i>Fusarium oxysporum</i> f. sp. <i>melonis</i> - Race 1		
absent	Jaune Canari 2, Védrentais	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, Védrentais,	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>Védrentais, Virgos</u>	1[]
<u>moderately resistant</u>	<u>Lunasol</u>	2[]
<u>highly resistant</u>	<u>Dinero, Isabelle</u>	3[]
<u>not tested</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>	<u>1f</u> <input type="checkbox"/>
<u>moderately resistant</u>	<u>Flores, Anasta</u>	<u>2f</u> <input type="checkbox"/>
<u>highly resistant</u>	<u>Cézanne, Heliobel, Théo</u>	<u>3f</u> <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>	<u>1f</u> <input type="checkbox"/>
<u>present</u>	<u>AR Hale's Best Jumbo, AR Top Mark, Godiva, Heliobel, Virgos</u>	<u>9f</u> <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>	<u>1f</u> <input type="checkbox"/>
<u>present</u>	<u>Hannah's Choice, Lunaduke</u>	<u>9f</u> <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>	<u>1f</u> <input type="checkbox"/>
<u>present</u>	<u>Hannah's Choice</u>	<u>9f</u> <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>	<u>1f</u> <input type="checkbox"/>
<u>present</u>	<u>WMR29</u>	<u>9f</u> <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>	<u>1f</u> <input type="checkbox"/>
<u>present</u>	<u>Cyro, Primal, Virgos, Yellow Fun</u>	<u>9f</u> <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]

ANNEX VII

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			
<u>completely green</u>	<u>Becky</u>	1]
<u>partly green and partly yellow</u>	<u>Autumn Gold</u>	2]
5.5 (9) Stem: intensity of green color			
<u>very light</u>	<u>Maayan</u>	1]
<u>very light to light</u>		2]
<u>light</u>	<u>Bianchini</u>	3]
<u>light to medium</u>		4]
<u>medium</u>	<u>Cinderella</u>	5]
<u>medium to dark</u>		6]
<u>dark</u>	<u>Greyzini</u>	7]
<u>dark to very dark</u>		8]
<u>very dark</u>	<u>Goldrush</u>	9]
5.6 (13) Leaf blade: incisions			
<u>absent or very shallow</u>	<u>Scallopini</u>	1]
<u>very shallow to shallow</u>		2]
<u>shallow</u>	<u>Everest</u>	3]
<u>shallow to medium</u>		4]
<u>medium</u>	<u>Jackpot</u>	5]
<u>medium to deep</u>		6]
<u>deep</u>	<u>Civac</u>	7]
<u>deep to very deep</u>		8]
<u>very deep</u>	<u>Isotta</u>	9]
5.4.7 (15) Leaf blade: silvery patches			
absent	Black Forest, Scallopini	1]
present	Civac	9]

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
Characteristics	Example Varieties	Note
5.8 (16) Leaf blade: relative area covered by silvery patches		
<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 (17) Petiole: length		
<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 (26) Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape		
<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>]]

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 <u>Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50)</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>Cora</u>	7 []
<u>dark to very dark</u>		8 []
<u>very dark</u>	<u>Baby Bear, Sardane</u>	9 []
<u>not applicable</u>		[]
5.27 <u>Fruit: stripes in grooves</u>		
<u>absent</u>	<u>Baby Bear, Jack Be Little</u>	1 []
<u>present</u>	<u>Delicata, Heart of Gold, Pâtisson jaune panaché de vert</u>	9 []
5.28 <u>Fruit: dots</u>		
<u>absent</u>	<u>Sunburst</u>	1 []
<u>present</u>	<u>Gold Rush, Table Queen</u>	9 []
5.29 <u>Fruit: secondary green color between ribs (excluding dots)</u>		
<u>absent</u>	<u>Grey Zucchini, Small Sugar</u>	1 []
<u>present</u>	<u>Beatrice, Greyzini, Heart of Gold, Steierischer Ölkürbis, Tonda Padana, Zubi</u>	9 []
5.30 <u>Fruit: distribution of secondary green color between ribs</u>		
<u>sparse patches</u>	<u>Greyzini, Elite</u>	1 []
<u>dense patches</u>	<u>Steierischer Ölkürbis</u>	2 []
<u>one colored stripes</u>	<u>Altea</u>	3 []
<u>two colored stripes</u>		4 []
<u>one colored bands covering the whole surface</u>	<u>Badger Cross, Twickers, Zubi</u>	5 []
<u>two colored bands covering the whole surface</u>	<u>Beatrice</u>	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:
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
<p>5.5 7 Fruit: width of stripes (19)</p> <p>very narrow</p> <p>very narrow to narrow</p> <p>narrow</p> <p>narrow to medium</p> <p>medium</p> <p>medium to broad</p> <p>broad</p> <p>broad to very broad</p> <p>very broad</p>	<p>SP 4, Tiny Orchid</p> <p>Boston</p> <p>Crimson Sweet</p> <p>Sangria</p> <p>All Sweet</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>5.8 Fruit: main color of stripes (20)</p> <p><u>yellow</u></p> <p><u>very light green</u></p> <p><u>light green</u></p> <p><u>medium green</u></p> <p><u>dark green</u></p> <p><u>very dark green</u></p>		<p>1[]</p> <p>2[]</p> <p>3[]</p> <p>4[]</p> <p>5[]</p> <p>6[]</p>
<p>5.9 Fruit: conspicuousness of stripes (21)</p> <p><u>inconspicuous or very weakly conspicuous</u></p> <p><u>weak</u></p> <p><u>medium</u></p> <p><u>strong</u></p> <p><u>very strong</u></p>	<p><u>Augusta</u></p> <p><u>Odem</u></p> <p><u>Trix Palomar</u></p> <p><u>Jenny</u></p> <p><u>A graine rouge à confire à chair verte</u></p>	<p>1[]</p> <p>2[]</p> <p>3[]</p> <p>4[]</p> <p>5[]</p>
<p>5.6 10 Fruit: margin of stripes (22)</p> <p>diffuse</p> <p>medium</p> <p>sharp</p>	<p>Crimson Glory, Crisby</p> <p>Crimson Sweet</p> <p>Jenny, Jubilee</p>	<p>1[]</p> <p>2[]</p> <p>3[]</p>

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

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
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	Panonnia, 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) <u>Time of female flowering</u>		
<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) <u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 0</u>		
<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) <u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 1</u>		
<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) <u>Resistance to <i>Fusarium oxysporum</i> f.sp. <i>niveum</i> – Race 2</u>		
<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) <u>Resistance to <i>Colletotrichum orbiculare</i> – Race 1</u>		
<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>		[]

ANNEX IX

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:
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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 (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) <u>Autonecrosis</u>		
<u>absent</u>	<u>Maxifort</u>	1[]
<u>present</u>	<u>Body</u>	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) <u>Resistance to <i>Fulvia fulva</i> (Ff) (ex <i>Cladosporium fulvum</i>) – Race 0</u>		
<u>absent</u>	<u>King Kong</u>	1[]
<u>present</u>	<u>Bruce</u>	9[]
<u>not tested</u>		[]

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]

NOTIFICATION OF ADDITIONAL STATES OF EXPRESSION

Test Guidelines for Asparagus: TG/130/4
Additional State(s) of Expression

Submitting Authority:	CPVO (QZ)	Contact Expert:	Name:	Morineau Céline
Date:	28/07/2022	Organization:	CPVO	
		Tel.:	+33 (0) 2.41.25.64.00	
		E-mail:	morineau@cpvo.europa.eu	

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	Note/ Nota
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[Existing characteristic: to be reproduced in full from UPOV Test Guidelines (including characteristic number, type of expression, method of observation, states, example varieties and notes)]

16	VG	Type of flowering	Type de floraison	Blühtyp	Tipo de floración		
(+)		plants with male flowers and plants with female flowers	plantes avec des fleurs mâles et plantes avec des fleurs femelles	Pflanzen mit männlichen Blüten und Pflanzen mit weiblichen Blüten	plantas con flores masculinas y plantas con flores femeninas	Andreas	1
(*)		plants with male and female flowers	plantes avec des fleurs mâles et des fleurs femelles	Pflanzen mit männlichen und weiblichen Blüten	plantas con flores masculinas y femeninas	Argenteuil, Desto	2
QL		plants with androhermaphrodite flowers and plants with male flowers with style rudiments	plantes avec des fleurs androhermaphrodites et plantes avec des fleurs mâles avec rudiments de style	Pflanzen mit männlich-zwittrigen Blüten und Pflanzen mit männlichen Blüten mit Griffelrudimenten	plantas con flores hermafroditas masculinas y plantas con flores masculinas con estilo	Backlim, Gijnlim	3

[Characteristic with new state(s) of expression (including all information as above)]

16	VG	Type of flowering	Type de floraison	Blühtyp	Tipo de floración		
(+)		plants with male flowers and plants with female flowers	plantes avec des fleurs mâles et plantes avec des fleurs femelles	Pflanzen mit männlichen Blüten und Pflanzen mit weiblichen Blüten	plantas con flores masculinas y plantas con flores femeninas	Andreas	1
(*)		plants with male and female flowers	plantes avec des fleurs mâles et des fleurs femelles	Pflanzen mit männlichen und weiblichen Blüten	plantas con flores masculinas y femeninas	Argenteuil, Desto	2
QL		plants with androhermaphrodite flowers and plants with male flowers with style rudiments	plantes avec des fleurs androhermaphrodites et plantes avec des fleurs mâles avec rudiments de style	Pflanzen mit männlich-zwittrigen Blüten und Pflanzen mit männlichen Blüten mit Griffelrudimenten	plantas con flores hermafroditas masculinas y plantas con flores masculinas con estilo	Backlim, Gijnlim	3
		female					X

Explanation / Illustration (including extent of the use of the characteristic(s)): /

NOTIFICATION OF ADDITIONAL CHARACTERISTICS

Test Guidelines for Lettuce: TG/13/11 Rev.2
Additional Characteristic(s)

Submitting Authority:	CPVO (QZ)	Contact Expert:	Name:	Morineau Céline
Date:	28/07/2022	Organization:	CPVO	
		Tel.:	+33 (0) 2.41.25.64.00	
		E-mail:	morineau@cpvo.europa.eu	

	English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	[iii] Note/ Nota
New 1.	VG	Resistance to <i>Bremia lactucae</i> (BI) Isolate PT2036	Résistance à <i>Bremia lactucae</i> (BI) Isolat PT2036	Resistenz gegen <i>Bremia lactucae</i> (BI) Isolat PT2036	Resistencia a <i>Bremia lactucae</i> (BI) Aislado PT2036	
QL	absent	absente	fehlend	ausente	Green Towers, Odra	1
	present	présente	vorhanden	presente	Templin	9

- [i] indicate type of expression (QL, PQ, QN)
[ii] indicate method of observation (VG, VS, MG, MS)
[iii] example varieties to be provided for at least 2 states.

Explanation / Illustration (including extent of the use of the characteristic(s)):

Resistance to *Bremia lactucae* (BI) isolate PT2036

- | | |
|-------------------------------------|--|
| 1. Pathogen | <i>Bremia lactucae</i> |
| 2. Quarantine status | no |
| 3. Host species | lettuce - <i>Lactuca sativa</i> L. |
| 4. Source of inoculum | Naktuinbouw (resistentie@naktuinbouw.nl) |
| 5. Isolate | PT2036 |
| 6. Establishment isolate identity | test on differentials (see table below) |
| 7. Establishment pathogenicity | test on susceptible varieties |
| 8. Multiplication inoculum | |
| 8.1 Multiplication medium | lettuce plantlets |
| 8.2 Multiplication variety | susceptible variety, for example Green Towers. |
| 8.3 Plant stage at inoculation | cotyledon to first leaf |
| 8.4 Inoculation medium | tap water |
| 8.5 Inoculation method | spraying a spore suspension |
| 8.6 Harvest of inoculum | washing off from leaves |
| 8.7 Check of harvested inoculum | counting spores |
| 8.8 Shelf life/viability inoculum | 2 hours at room temperature; 2 days in fridge |
| 9. Format of the test | |
| 9.1 Number of plants per genotype | at least 20 |
| 9.2 Number of replicates | - |
| 9.3 Control varieties (informative) | differentials (see table below) |
| 9.4 Test design | - |
| 9.5 Test facility | climate room |
| 9.6 Temperature | 15°C-18°C |
| 9.7 Light | adequate for good plant growth; seedlings should not etiolate.
option: reduced light 24 hours after inoculation |
| 9.8 Season | - |
| 9.9 Special measures | plants may grow on wet blotting paper with or without a |

nutrient solution, on sand, or on potting soil (see point 13).
high humidity (>90%) is essential for infection and sporulation.

10. Inoculation

10.1 Preparation inoculum

washing off from leaves by vigorous shaking in a closed container

10.2 Quantification inoculum

counting spores; spore density should be 3.10^4 - 1.10^5

10.3 Plant stage at inoculation

cotyledon stage

10.4 Inoculation method

spraying till run-off

option: reduced light 24 hours after inoculation

10.5 First observation

beginning of sporulation on susceptible varieties (around 7 days after inoculation)

10.6 Second observation

3-4 days after first observation (around 10 days after inoculation)

10.7 Final observations

14 days after inoculation

two of these three observations may be sufficient; the third notation is optional for observation of evolution of symptoms in case of doubt. The day of maximum sporulation should occur in this period.

11. Observations

11.1 Method

visual observation of sporulation and necrotic reaction to infection

11.2 Observation scale

resistant

0 no sporulation, no necrosis

1 no sporulation, necrosis present

2 weak sporulation (much less than susceptible control) with necrosis

3 weak sporulation (less than susceptible control and not evolving between second and third observations) with necrosis

4 very sparse sporulation (not evolving between second and third observation) without necrosis

5 reduced sporulation (compared to susceptible control) without necrosis

6 normal sporulation without necrosis

11.3 Validation of test

on standards.

In case of normal sporulation (same level as susceptible control) with necrosis, another test on bigger plants or other substrate must be undertaken.

12. Interpretation of data in terms of UPOV characteristic states

class 0, 1, 2, 3 and 4: resistant

class 5 and 6: susceptible

13. Critical control points

Reaction of standards (the infection pressure may vary between experiments, leading to slight differences in sporulation intensity); when the reactions are not clear the experiment should be repeated.

The sowing on soil can be used to see necrosis, but weak sporulation (much less than susceptible control) can appear; when testing on sand, spores can be confused with grains of sand.

In case of use of nutritive solution on blotting paper, a fungicide can be added to avoid contamination by saprophytes

	GreenTowers	Dandie	R4T57D	UC Dm14	NunDm15	CGDm16	Colorado	FrRsal-1	Argelès	RYZ 2164	RYZ910457	Bedford	Balesta	Bartoli	Design	Kibrille	Fenston	Bataille	RYZ20007	Set	D sextet code
		Dm3	Dm4	Dm14	Dm15	Dm16	Dm18	Rsal-1	R38												
ID	0	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18		
Sextet value		1	2	4	8	16	32	1	2	4	8	16	32	1	2	4	8	16	32		
PT2036	+	-	+	+	+	-	+	+	+	+	+	-	-	-	+	+	-	-	+	D	46-15-38

ANNEX XI / ANNEXE XI / ANLAGE XI / ANEXO XI

TEST GUIDELINES FOR ADOPTION / PRINCIPES DIRECTEURS D'EXAMEN POUR ADOPTION /
PRÜFUNGSRICHTLINIEN ZUR ANNAHME / DIRECTRICES DE EXAMEN PARA ADOPCIÓN

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name
<u>REVISIONS OF TEST GUIDELINES / RÉVISIONS DE PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS / REVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES DE DIRECTRICES DE EXAMEN ADOPTADAS</u>							
DE	TWF	TG/14/10(proj.6)	Apple	Pommier (variétés fruitières)	Apfel (Fruchtsorten)	Manzano (variedades frutales)	<i>Malus domestica</i> (Suckow) Borkh.
DE	TWF /TWO	TG/22/11(proj.5)	Strawberry	Fraisier	Erdbeere	Fresa, Frutilla	<i>Fragaria</i> L.
DE	TWA	TG/23/7(proj.4)	Potato	Pomme de terre/	Kartoffel	Papa, Patata	<i>Solanum tuberosum</i> L.
FR	TWA	TG/31/9(proj.3)	Cocksfoot	Dactyle	Knautgras	Dactilo	<i>Dactylis glomerata</i> L.
AR	TWA	TG/80/7(proj.9)	Soya Bean	Soja	Sojabohne	Soya, Soja	<i>Glycine max</i> (L.) Merr.
HU	TWA	TG/81/7(proj.5)	Common Sunflower	Tournesol	Sonnenblume	Girasol	<i>Helianthus annuus</i> L.
JP	TWO	TG/86/6(proj.4)	Anthurium	Anthurium	Flamingoblume	Anthurium	<i>Anthurium</i> Schott
DE	TWO	TG/94/7(proj.3)	Ling, Scots Heather	Callune	Besenheide	Brezo	<i>Calluna vulgaris</i> (L.) Hull
NL		TG/168/4(proj.4)	Statice	Limonium, Statice	Statice	Limonium	<i>Goniolimon</i> Boiss., <i>Limonium</i> Mill., <i>Psylliostachys</i> (Jaub. & Spach) Nevski
<u>PARTIAL REVISIONS OF TEST GUIDELINES / RÉVISIONS PARTIELLES DE PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS / TEILREVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES PARCIALES DE DIRECTRICES DE EXAMEN ADOPTADAS</u>							
GB	TWA	TG/3/12, TC/58/29	Wheat	Blé	Weizen	Trigo	<i>Triticum aestivum</i> L. emend. Fiori et Paol.
FR	TWV	TG/7/10 Rev. 2, TC/58/23	Pea	Pois	Erbse	Guisante, Arveja	<i>Pisum sativum</i> L.
QZ	TWO	TG/11/8 Rev., TC/58/27	Rose	Rosier	Rose	Rosal	<i>Rosa</i> L.
NL	TWV	TG/55/7 Rev. 6, TC/58/24	Spinach	Épinard	Spinat	Espinaca	<i>Spinacia oleracea</i> L.
DE	TWA	TG/58/7, TC/58/28	Rye	Seigle	Roggen	Centeno	<i>Secale cereale</i> L.
NL	TWV	TG/65/4 Rev., TC/58/21	Kohlrabi	Chou-rave	Kohlrabi	Col rábano	<i>Brassica oleracea</i> L. var. <i>gongylodes</i> L.
CZ	TWF	TG/125/7, TC/58/16	Walnut	Noyer	Walnuss	Nogal	<i>Juglans regia</i> L.

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name
AU	TWF	TG/137/5, TC/58/30	Blueberry	Myrtille	Heidelbeere	Arándano americano	<i>Vaccinium angustifolium</i> Aiton, <i>V. corymbosum</i> L., <i>V. formosum</i> Andrews, <i>V. myrtilloides</i> Michx., <i>V. myrtillus</i> L., <i>V. virgatum</i> Aiton, <i>V. simulatum</i> Small
FR	TWV	TG/154/4, TC/58/22	Leaf Chicory	Chicorée à feuille (sauvage)	Blattzichorie	Achicoria de hoja	<i>Cichorium intybus</i> L. var. <i>foliosum</i> Hegi
NL	TWV	TG/162/4, TC/58/20	Garlic	Ail	Knoblauch	Ajo	<i>Allium sativum</i> L.
NL	TWV	TG/244/1 Rev., TC/58/26	Lincoln's-weed, Sand mustard, Sand rocket, Wall rocket, Wild rocket	Roquette sauvage	Wilde Rauke	Roqueta silvestre	<i>Diplotaxis tenuifolia</i> (L.) DC.
NL	TWV	TG/245/1 Rev., TC/58/19	Arugula, Cultivated Rocket, Garden Rocket, Rocket-salad, Rugula, Salad Rocket	Roquette cultivée	Ölrauke, Rauke, Ruke, Rukola, Senfrauke	Oruga común, Roqueta	<i>Eruca sativa</i> Mill.
NL	TWV	TG/294/1 Corr. Rev. 3, TC/58/25	Tomato Rootstocks	Porte-greffe de tomate	Tomaten-unterlagen	Portainjertos de tomate	<i>Solanum habrochaites</i> S. Knapp & D.M. Spooner; <i>S. lycopersicum</i> L. x <i>S. habrochaites</i> S. Knapp & D.M. Spooner; <i>S. lycopersicum</i> L. x <i>S. peruvianum</i> (L.) Mill.; <i>S. lycopersicum</i> L. x <i>S. cheesmaniae</i> (L. Ridley) Fosberg; <i>S. pimpinellifolium</i> L. x <i>S. habrochaites</i> S. Knapp & D.M. Spooner

Summary / Résumé / Zusammenfassung / Resumen

- 0 New Test Guidelines / Nouveaux principes directeurs d'examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen
- 9 Revisions of adopted Test Guidelines / Révisions de principes directeurs d'examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.
- 13 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d'examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas

[Annex XII follows /
L'annexe XII suit /
Anlage XII folgt /
Sigue el Anexo XII]

ANNEX XII / ANNEXE XII / ANLAGE XII / ANEXO XII

DRAFT TEST GUIDELINES DISCUSSED BY THE TWPS IN 2022 /
 PROJETS DE PRINCIPES DIRECTEURS D'EXAMEN EXAMINÉS PAR LES TWP EN 2022 /
 VON DEN TWP IN 2022 BERARBEITETE PRÜFUNGSRICHTLINIEN /
 PROYECTOS DE DIRECTRICES DE EXAMEN EXAMINADOS POR LOS TWP EN 2022

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
CN	TWF	TG/LYCIUM_BAR (proj.2)	Goji				<i>Lycium barbarum</i> L., <i>L. chinense</i> Mill., <i>L. cylindricum</i> Kuang & A. M. Lu, <i>L. dasystemum</i> Pojark., <i>L. ruthenicum</i> Murray, <i>L. truncatum</i> Y. C. Wang, <i>L. yunnanense</i> Kuang & A. M. Lu
JP	TWF	TG/MORUS (proj.4)	Mulberry				<i>Morus</i> L.
CN	TWO	TG/MAGNO (proj.3)	Magnolia				<i>Magnolia</i> L.
JP	TWO	TG/OXYPE_CAE (proj.1)	Oxypetalum				<i>Oxypetalum coeruleum</i> (D. Don) Decne.
JP	TWA	TG/ZOYSI(proj.3)	Zoysia grasses				<i>Zoysia</i> Willd.
FR	TWA	TG/31/9(proj.2)	Cocksfoot				<i>Dactylis glomerata</i> L.
NL	TWA	TG/276/2(proj.1)	Hemp, Cannabis				<i>Cannabis sativa</i> L.
DE	TWA	TG/23/7(proj.3)	Potato				<i>Solanum tuberosum</i> L.
GB	TWA	TG/36/7(proj.3)	Oilseed Rape				<i>Brassica napus</i> L. <i>oleifera</i>
AR	TWA	TG/80/7(proj.8)	Soya Bean				<i>Glycine max</i> (L.) Merrill
AU	TWA	TG/186/2(proj.3)	Sugarcane				<i>Saccharum</i> L.
HU	TWA	TG/81/7(proj.4)	Sunflower				<i>Helianthus annuus</i> L.
DE	TWF	TG/14/10(proj.5)	Apple				<i>Malus domestica</i> Borkh.
IT	TWF	TG/50/10(proj.5)	Grapevine				<i>Vitis</i> L.
CN	TWF	TG/110/4(proj.2)	Guava				<i>Psidium guajava</i> L.; <i>Psidium cattleianum</i> Sabine var. <i>littorale</i> (Raddi) Fosberg
IT	TWF	TG/71/4(proj.3)	Hazelnut				<i>Corylus avellana</i> L.; <i>Corylus colurna</i> L.
ES	TWF	TG/203/2(proj.1)	Lemon				<i>Citrus</i> L. - Group 3
ES	TWF	TG/201/2(proj.1)	Mandarin				<i>Citrus</i> L. - Group 1
DE	TWF	TG/43/8(proj.2)	Raspberry				<i>Rubus idaeus</i> L.
HU	TWF	TG/230/2(proj.2)	Sour Cherry				<i>Prunus cerasus</i> L.
DE	TWF	TG/22/11(proj.4)	Strawberry				<i>Fragaria</i> L.
FR	TWF	TG/35/8(proj.3)	Sweet Cherry				<i>Prunus avium</i> (L.) L.
ES	TWF	TG/83/5(proj.1)	Trifoliate Orange				<i>Citrus</i> L. - Group 5)
NL	TWO	TG/181/4(proj.2)	Amaryllis				<i>Hippeastrum</i> Herb.
JP	TWO	TG/86/6(proj.3)	Anthurium				<i>Anthurium</i> Schott
QZ	TWO	TG/194/2(proj.2)	Lavender				<i>Lavandula</i> L.
DE	TWO	TG/94/7(proj.2)	Ling, Scots Heather				<i>Calluna vulgaris</i> (L.) Hull
QZ	TWO	TG/24/7(proj.1)	Poinsettia				<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch
NL	TWO	TG/168/4(proj.3)	Statice				<i>Limonium</i> Mill., <i>Goniolimon</i> Boiss. and <i>Psylliostachys</i> (Jaub. & Spach) Nevski

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**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
FR	TWO	TG/148/3(proj.2)	Weigela				<i>Weigela Thunb.</i>
KR	TWV	TG/105/5(proj.2)	Chinese cabbage				<i>Brassica rapa</i> L. subsp. <i>pekinensis</i> (Lour.) Kitam., hybrids between <i>B. rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>B. rapa</i> L. Emend. Metzg. ssp. <i>chinensis</i> (L.) Hanelt, hybrids between <i>B. rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>B. rapa</i> L. var. <i>rapa</i> (L.) Thell., <i>B. ×turicensis</i> O. E. Schulz & Thell.
QZ	TWV	TG/117/5(proj.3)	Egg plant				<i>Solanum melongena</i> L.
JP	TWV	TG/90/7(proj.4)	Kale				<i>Brassica oleracea</i> L. var. <i>costata</i> DC.; <i>B. oleracea</i> L. var. <i>medullosa</i> Thell.; <i>B. oleracea</i> L. var. <i>sabellica</i> L.; <i>B. oleracea</i> L. var. <i>viridis</i> L.; <i>B. oleracea</i> L. var. <i>palmifolia</i> DC.
NL	TWV	TG/76/9(proj.4)	Pepper				<i>Capsicum annuum</i> L.
NL	TWV	TG/44/12(proj.2)	Tomato				<i>Solanum lycopersicum</i> L.
QZ	TWO	TG/11/8 Rev. Partial Revision	Rose				<i>Rosa</i> L.
NL	TWV	TG/245/1 Rev. Partial Revision	Garden Rocket				<i>Eruca sativa</i> Mill.
NL	TWV	TG/162/4 Partial Revision	Garlic				<i>Allium sativum</i> L.
NL	TWV	TG/65/4 Rev. Partial Revision	Kohlrabi				<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongyloides</i> L.; <i>Brassica oleracea</i> L. <i>Gongyloides</i> Group
FR	TWV	TG/154/4 Partial Revision	Leaf Chicory				<i>Cichorium intybus</i> L. var. <i>foliosum</i> Hegi
FR	TWV	TG/7/10 Rev. 2 Partial Revision	Pea				<i>Pisum sativum</i> L.
DE	TWA	TG/58/7 Partial Revision	Rye				<i>Secale cereale</i> L.
GB	TWA	TG/3/12 Partial Revision	Wheat				<i>Triticum aestivum</i> L. emend. Fiori et Paol.
AU	TWF	TG/137/5 Partial Revision	Blueberry				<i>Vaccinium angustifolium</i> Aiton, <i>V. corymbosum</i> L., <i>V. formosum</i> Andrews, <i>V. myrtilloides</i> Michx., <i>V. myrtilus</i> L., <i>V.</i> <i>virgatum</i> Aiton, <i>V.</i> <i>simulatum</i> Small
CZ	TWF	TG/125/7 Partial Revision	Walnut				<i>Juglans regia</i> L.
NL	TWV	TG/244/1 Rev. Partial Revision	Wild Rocket				<i>Diplotaxis tenuifolia</i> (L.) DC.

Summary/Résumé/Zusammenfassung/Resumen

- 5 New Test Guidelines / Nouveaux principes directeurs d'examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen.
- 30 Revisions of adopted Test Guidelines / Révisions de principes directeurs d'examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.
- 11 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d'examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas.

Total/Insgesamt: 46

of which / dont / davon / de las cuales:

20 * — "Final" draft Test Guidelines (1 New, 8 Revisions, 11 Partial Revision) / Versions "finales" de projets de principes directeurs d'examen (1 nouveaux, 8 révisions, 11 révision partielle) / „Endgültige“ Entwürfe von Prüfungsrichtlinien (1 Neue, 8 Revisionen, 11 Teilrevisionen) / Proyectos "finales" de directrices de examen (1 nuevas, 8 revisiones, 11 revisión parcial).

[Annex XIII follows /
L'annexe XIII suit /
Anlage XIII folgt /
Sigue el Anexo XIII]

ANNEX XIII / ANNEXE XIII / ANLAGE XIII / ANEXO XIII

TEST GUIDELINES ADOPTED BY CORRESPONDENCE / PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS PAR CORRESPONDENCE / AUF DEM SCHRIFTWEG ANGENOMMENE PRÜFUNGSRICHTLINIEN / DIRECTRICES DE EXAMEN ADOPTADAS POR CORRESPONDENCIA

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name
<u>NEW TEST GUIDELINES / NOUVEAUX PRINCIPES DIRECTEURS D'EXAMEN / NEUE PRÜFUNGSRICHTLINIEN / NUEVAS DIRECTRICES DE EXAMEN</u>							
MX	TWO	TG/339/1	Zinnia	Zinnia	Zinnie	Zinnia	Zinnia (<i>Zinnia</i> × <i>marylandica</i> D. M. Spooner et al.; <i>Zinnia angustifolia</i> Kunth; <i>Zinnia elegans</i> Jacq.; <i>Zinnia haageana</i> Regel; <i>Zinnia peruviana</i> (L.) L.)
<u>REVISIONS OF TEST GUIDELINES / RÉVISIONS DE PRINCIPES DIRECTEURS D'EXAMEN ADOPTÉS / REVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES DE DIRECTRICES DE EXAMEN ADOPTADAS</u>							
FR	TWV	TG/37/11(proj.9)	Turnip	Navet	Mairübe	Nabo	<i>Brassica rapa</i> L. var. <i>rapa</i> L.
FR	TWO	TG/68/4(proj.6)	Berberis	Berberis	Berberitze	Berberis	<i>Berberis</i> L.
KE	TWA	TG/238/2(proj.6)	Tea	Théier	Tee	Té	<i>Camellia sinensis</i> (L.) Kuntze

Summary / Résumé / Zusammenfassung / Resumen

- 1 New Test Guidelines / Nouveaux principes directeurs d'examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen
- 3 Revision of adopted Test Guidelines / Révision de principes directeurs d'examen adoptés / Revision angenommener Prüfungsrichtlinien / Revision de directrices de examen adoptadas.
- 0 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d'examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas

[Annex II follows /
L'annexe II suit /
Anlage II folgt /
Sigue el Anexo II]

ANNEX XIV / ANNEXE XIV / ANLAGE XIV / ANEXO XIV

DRAFT TEST GUIDELINES TO BE DISCUSSED BY THE TWPS IN 2023 /
 PROJETS DE PRINCIPES DIRECTEURS D'EXAMEN DEVANT ÊTRE EXAMINÉS PAR LES TWP EN 2023
 VON DEN TWP IN 2023 ZU BEARBEITENDE PRÜFUNGSRICHTLINIEN /
 PROYECTOS DE DIRECTRICES DE EXAMEN QUE HAN DE EXAMINARSE POR LOS TWP EN 2023

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
AU	TWA/ TWO	TG/CYNOD(proj.1)	Couch Grass, Bermuda Grass				<i>Cynodon</i> Rich.
GB	TWO	TG/LEUCA(proj.1)	Leucanthem um				<i>Leucanthemum</i> Mill.
CN	TWO/ TWW	TG/LYCIUM_BAR(proj.3)	Goji				<i>Lycium chinense</i> Mill.; <i>Lycium</i> <i>barbarum</i> L.
CN	TWO	TG/GINKG_BIL(pro j.1)	Ginkgo				<i>Ginkgo biloba</i> L.
CN	TWO	TG/MAGNO(proj.4)	Magnolia				<i>Magnolia</i> L.
JP	TWF/ TWO	TG/MORUS(proj.5)	Mulberry				<i>Morus</i> L.
CN	TWO	TG/NELUM(proj.1)	Lotus				<i>Nelumbo</i> Adans.
JP	TWO	TG/OXYPE_CAE(p roj.2)	Oxypetalum				<i>Oxypetalum</i> <i>coeruleum</i> (D. Don) Decne.
CN	TWA/ TWW	TG/VIGNA_RAD(pr oj.1)	Mung Bean				<i>Vigna radiata</i> (L.) R. Wilczek
JP	TWA/ TWO	TG/ZOYSI(proj.4)	Zoysia Grasses				<i>Zoysia</i> Willd.
QZ	TWO	TG/24/7(proj.2)	Poinsettia	Poinsettia	Poinsettie, Weihnachtsstern	Flor de Pascua	<i>Euphorbia</i> <i>pulcherrima</i> Willd. ex Klotzsch
FR	TWF	TG/35/8(proj.4)	Sweet Cherry	Cerisier doux	Süsskirsche	Cerezo dulce	<i>Prunus avium</i> (L.) L.
GB	TWA	TG/36/7(proj.4)	Oilseed Rape	Colza	Raps	Colza	<i>Brassica napus</i> L. <i>oleifera</i>
DE	TWF	TG/43/8(proj.3)	Raspberry	Framboisier	Himbeere	Frambueso	<i>Rubus idaeus</i> L.
NL	TWW	TG/44/12(proj.3)	Tomato	Tomate	Tomate	Tomate	<i>Solanum</i> <i>lycopersicum</i> L. x <i>Solanum</i> <i>cheesmaniae</i> (L. Ridley) Fosberg; <i>Solanum</i> <i>lycopersicum</i> L.; <i>Solanum</i> <i>lycopersicum</i> L. x <i>Solanum</i> <i>pimpinellifolium</i> L.
IT	TWF/ TWO	TG/50/10(proj.6)	Grapevine	Vigne	Rebe	Vid	<i>Vitis</i> L.
IT	TWF	TG/71/4(proj.4)	Hazelnut	Noisetier	Haselnuss	Avellano	<i>Corylus avellana</i> L.; <i>Corylus columa</i> L.
NL	TWW	TG/76/9(proj.5)	Sweet Pepper, Hot Pepper, Paprika, Chili	Poivron, Piment	Paprika	Ají, Chile, Pimiento	<i>Capsicum annum</i> L.
ES	TWF	TG/83/5(proj.1)	Trifoliolate Orange	Oranger trifolié	Dreiblättrige Orange	Naranja trifoliado	<i>Poncirus</i> (Citrus L. - Gr. 5)

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**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
JP	TWV	TG/90/7(proj.5)	Kale	Chou frisé	Grünkohl	Col rizada	<i>Brassica oleracea</i> L. var. <i>medullosa</i> Thell.; <i>Brassica oleracea</i> L. var. <i>viridis</i> L.; <i>Brassica oleracea</i> L. var. <i>costata</i> DC.; <i>Brassica oleracea</i> L. var. <i>sabellica</i> L.; <i>Brassica oleracea</i> L. var. <i>palmifolia</i> DC.
KR	TWV	TG/105/5(proj.3)	Chinese Cabbage	Chou chinois	Chinakohl	Repollo chino	hybrids between <i>Brassica rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>Brassica rapa</i> L. Emend. Metzg. ssp. <i>chinensis</i> (L.) Hanelt; hybrids between <i>Brassica rapa</i> L. Emend. Metzg. ssp. <i>pekinensis</i> (Lour.) Hanelt and <i>Brassica rapa</i> L. var. <i>rapa</i> (L.) Thell.; <i>Brassica rapa</i> L. subsp. <i>pekinensis</i> (Lour.) Kitam.; <i>Brassica ×turicensis</i> O. E. Schulz & Thell.
CN	TWF	TG/110/4(proj.3)	Guava	Goyavier	Guave	Guayabo	<i>Psidium guajava</i> L.
QZ	TWV	TG/117/5(proj.4)	Egg Plant	Aubergine	Eierfrucht, Aubergine	Berenjena	<i>Solanum melongena</i> L.
DE	TWA	TG/134/4(proj.1)	Safflower	Carthame	Saflor	Cártamo	<i>Carthamus tinctorius</i> L.
DE	TWV	TG/136/6(proj.1)	Parsley	Persil	Petersilie	Perejil	<i>Petroselinum crispum</i> (Mill.) Fuss
FR	TWO	TG/148/3(proj.3)	Weigela	Weigela	Weigelia	Weigela	<i>Weigela</i> Thunb.
FR	TWA	TG/150/4(proj.1)	Fodder Beet	Betterave fourragère	Runkelrübe	Remolacha forrajera	<i>Beta vulgaris</i> L.
NL	TWO	TG/181/4(proj.3)	Amaryllis	Amaryllis	Amaryllis	Amarilis	<i>Hippeastrum</i> Herb.
AU	TWA/ TWO	TG/186/2(proj.4)	Sugarcane	Canne à sucre	Zuckerrohr	Caña de Azúcar	<i>Saccharum</i> L.
QZ	TWO	TG/194/2(proj.3)	Lavandula/Lavender	Lavande, Lavande vraie / Lavandins	Lavandula, Echter Lavendel/Lavendel	Lavándula, Lavanda	<i>Lavandula</i> L.
ES	TWF	TG/201/2(proj.2)	Mandarins	Mandarinier (Citrus L. - Groupe 1)	Mandarinen (Citrus L. - Gruppe 1)	Mandarino (Citrus L. - Grupo 1)	<i>Citrus reticulata</i> Blanco; <i>Citrus ×aurantium</i> L.
ES	TWF	TG/203/2(proj.2)	Lemons and Limes	Limettier (Citronnier et) (Citrus L. - Groupe 3)	Zitronen und Limetten (Citrus L. - Gruppe 3)	Limón y Lima (Citrus L. - Grupo 3)	<i>Citrus ×aurantiifolia</i> (Christm.) Swingle; <i>Citrus ×limon</i> (L.) Osbeck
HU	TWF	TG/230/2(proj.3)	Sour Cherry; Duke Cherry	Griotte, Cerisier acide	Sauerkirsche	Cerezo ácido, Guindo; Cerezo Duke	<i>Prunus ×gondouinii</i> (Poit. & Turpin) Rehder
AU	TWF	TG/256/2(proj.1)	Granadilla, Passion fruit	Fruit de la passion, Barbadiene	Purpurgranadilla, Passionsfrucht	Maracuyá, Granadilla	<i>Passiflora edulis</i> Sims
NL	TWA	TG/276/2(proj.2)	Hemp	Chanvre	Hanf	Cáñamo	<i>Cannabis sativa</i> L.
GB	TWA	TG/19/11	Barley Partial Revision				<i>Hordeum vulgare</i> L.

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**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
QZ	TWA	TG/2/7	Maize Partial Revision				<i>Zea mays</i> L.
AU / NZ	TWF	TG/137/5	Blueberry Partial revision				<i>Vaccinium angustifolium</i> Aiton, <i>V. corymbosum</i> L., <i>V. formosum</i> Andrews, <i>V. myrtilloides</i> Michx., <i>V. myrtillus</i> L., <i>V. virgatum</i> Aiton, <i>V. simulatum</i> Small
ES	TWF	TG/202/1 Rev. 2	Oranges Partial revision				<i>Citrus</i> L. - Group 2
ES	TWF	TG/204/1 Rev. 2	Pummelo (Grapefruit and) Partial revision				<i>Citrus</i> L. - Group 4
NL	TWO	TG/283/1 Rev.	Oncidium Partial revision				<i>Oncidium</i> Sw.; × <i>Oncidesa</i> Hort.; × <i>lonocidium</i> Hort.; × <i>Zelenkocidium</i> <i>J.M.H. Shaw.</i>
NL	TWV	TG/54/7 Rev.	Brussels Sprouts Partial revision				<i>Brassica oleracea</i> L. var. <i>gemmifera</i> DC.
NL	TWV	TG/48/7 Rev.	Cabbage Partial revision				<i>Brassica oleracea</i> L.: <i>Brassica</i> (White Cabbage Group); <i>Brassica</i> (Savoy Cabbage Group); <i>Brassica</i> (Red Cabbage Group)
NL	TWV	TG/45/7 Rev.	Cauliflower Partial revision				<i>Brassica oleracea</i> L. convar. <i>botrytis</i> (L.) Alef. var. <i>botrytis</i> L.
NL	TWV	TG/75/7	Cornsalad Partial revision				<i>Valerianella locusta</i> L.; <i>Valerianella eriocarpa</i> Desv.
NL	TWV	TG/172/4	Industrial Chicory Partial revision				<i>Cichorium intybus</i> L. partim
NL	TWV	TG/65/4 Rev.	Kohlrabi Partial revision				<i>Brassica oleracea</i> L. convar. <i>acephala</i> (DC.) Alef. var. <i>gongyloides</i> L. (<i>Brassica oleracea</i> L. <i>Gongyloides</i> Group)
NL	TWV	TG/13/11 Rev. 2	Lettuce Partial revision				<i>Lactuca sativa</i> L.
FR	TWV	TG/104/5 Rev. 2	Melon Partial revision				<i>Cucumis melo</i> L.
NL	TWV	TG/7/10 Rev. 2	Pea Partial revision				<i>Pisum sativum</i> L.

**	TWP	Document No. No. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
FR	TWV	TG/63/7-TG/64/7 Rev. Corr.	Radish; Black Radish Partial revision				<i>Raphanus sativus</i> L. var <i>sativus</i> ; <i>Raphanus sativus</i> L. var. <i>niger</i> (Mill.) S. Kerner
NL	TWV	TG/55/7 Rev. 6	Spinach Partial revision				<i>Spinacia oleracea</i> L.
NL	TWV	TG/89/6 Rev.	Swede, Rutabaga Partial revision				<i>Brassica napus</i> L. var. <i>napobrassica</i> (L.) Rchb.
FR	TWV	TG/119/4 Corr. 2	Vegetable Marrow, Squash Partial revision				<i>Cucurbita pepo</i> L.
NL	TWV	TG/142/5 Rev.	Watermelon Partial revision				<i>Citrullus lanatus</i> (Thunb.) Matsum. et Naka

Summary/Résumé/Zusammenfassung/Resumen

- 10 New Test Guidelines / Nouveaux principes directeurs d'examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen.
- 25 Revisions of adopted Test Guidelines / Révisions de principes directeurs d'examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.
- 20 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d'examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas.

Total/Insgesamt: 55

of which / dont / davon / de las cuales:

35 * — "Final" draft Test Guidelines (2 New, 13 Revisions, 20 Partial Revision) / Versions "finales" de projets de principes directeurs d'examen (2 nouveaux, 13 révisions, 20 révision partielle) / „Endgültige“ Entwürfe von Prüfungsrichtlinien (2 Neue, 13 Revisionen, 20 Teilrevisionen) / Proyectos "finales" de directrices de examen (2 nuevas, 13 revisiones, 20 revisión parcial).

[End of Annex XIV and of document /
Fin de l'annexe XIV et du document /
Ende der Anlage XIV und des Dokuments /
Fin del Anexo XIV y del documento]