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

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| Technical Working Party for Vegetables  Fifty-Fifth Session  Antalya, Turkey, May 3 to 7, 2021  Technical Working Party for Ornamental Plants and Forest Trees  Fifty-Third Session  Roelofarendsveen, Netherlands, June 7 to 11, 2021  Technical Working Party for Agricultural Crops  Fiftieth Session  Arusha, United Republic of Tanzania, June 21 to 25, 2021  Technical Working Party for Fruit Crops  Fifty-Second Session  Zhengzhou, China, July 12 to 16, 2021 | TWP/5/13.  Original: English  Date: April 6, 2021 |

revision of test guidelines

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

# Executive SUMMARY

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

The TWPs are invited:

(a) 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 to consider that matter further at the next full revision of the Test Guidelines concerned; and

(b) 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.

The TWV is invited to consider the proposals for partial revisions of the Test Guidelines for Maize, Onion and Shallot, Carrot, Spinach, Cucumber, Melon, Squash, Watermelon and Tomato Rootstocks, as set out in paragraph 17 and Annexes I to IX to this document.

The TWO is invited to consider the proposal for partial revisions of the Test Guidelines for Rose, as set out in paragraph 17 and Annex X to this document.

The TWA is invited to consider the proposals for partial revisions of the Test Guidelines for Maize, Wheat and Hemp, as set out in paragraph 17 and Annexes I, XI and XII to this document.

The TWF is invited to consider the proposals for partial revisions of the Test Guidelines for Peach, Japanese Plum, Kiwifruit and Prunus Rootstocks, as set out in paragraph 17 and Annexes XIII to XVI to this document.

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ANNEX II Partial revision of the Test Guidelines for Onion and Shallot

ANNEX III Partial revision of the Test Guidelines for Carrot

ANNEX IV Partial revision of the Test Guidelines for Spinach

ANNEX V Partial revision of the Test Guidelines for Cucumber

ANNEX VI Partial revision of the Test Guidelines for Melon

ANNEX VII Partial revision of the Test Guidelines for Squash

ANNEX VIII Partial revision of the Test Guidelines for Watermelon

ANNEX IX Partial revision of the Test Guidelines for Tomato Rootstocks

ANNEX X Partial revision of the Test Guidelines for Rose

ANNEX XI Partial revision of the Test Guidelines for Wheat

ANNEX XII Partial revision of the Test Guidelines for Hemp

ANNEX XIII Partial revision of the Test Guidelines for Peach

ANNEX XIV Partial revision of the Test Guidelines for Japanese Plum,

ANNEX XV Partial revision of the Test Guidelines for Kiwifruit

ANNEX XVI Partial revision of the Test Guidelines for Prunus Rootstocks

The following abbreviations are used in this document:

TC: Technical Committee

TC-EDC: Enlarged Editorial Committee

TWA: Technical Working Party for Agricultural Crops

TWC: Technical Working Party on Automation and Computer Programs

TWF: Technical Working Party for Fruit Crops

TWO: Technical Working Party for Ornamental Plants and Forest Trees

TWPs: Technical Working Parties

TWV: Technical Working Party for Vegetables

# BACKGROUND

At their sessions in 2020, the TWV0F[[1]](#footnote-2), TWO1F[[2]](#footnote-3), TWA2F[[3]](#footnote-4) and TWF3F[[4]](#footnote-5) considered document TWP/4/13 “Revision of Test Guidelines” (see documents TWV/54/9 “Report”, paragraphs 100 and 101, TWO/52/11 “Report”, paragraphs 75 to 77; TWA/49/7 “Report”, paragraphs 85 to 87; and TWF/51/10 “Report”, paragraphs 92 and 93). Document TWP/4/13 explained as follows:

“In 2017, UPOV introduced UPOV PRISMA, an online service to assist breeders to make PVP applications in participating UPOV members (see: https://www.upov.int/upovprisma/en/index.html). The efficiency of UPOV PRISMA is greatly enhanced for applicants where participating UPOV members follow the UPOV Test Guidelines, particularly the Technical Questionnaire in the Test Guidelines, because this means that the same information can be used in other applications. Furthermore, this also greatly reduces the cost of operating UPOV PRISMA by reducing the need for customized TQs and subsequent translation in all UPOV PRISMA supported languages.

“Currently, 22 of the 35 UPOV members participating in UPOV PRISMA indicate that they follow the UPOV Test Guidelines. However, it has become apparent that, for certain crops/species, the Technical Questionnaires in the Test Guidelines do not always reflect the Technical Questionnaires being used by the UPOV members concerned, indicating that a review and possible revision of the Technical Questionnaires in the Test Guidelines concerned would be appropriate to meet the objectives of the Test Guidelines, to improve the efficiency of UPOV PRISMA for applicants and to reduce UPOV’s costs in maintaining UPOV PRISMA.”

The TWPs, at their sessions in 2020, were invited to provide information on the use of the Technical Questionnaire from UPOV Test Guidelines, for the possible revision of the Technical Questionnaires in the Test Guidelines concerned to meet the objectives of the Test Guidelines and to improve the efficiency of UPOV PRISMA. The following members provided information to the Office of the Union by August 1, 2020:

|  |  |
| --- | --- |
| African Intellectual Property Organization (OAPI) | Italy |
| Argentina | Japan |
| Australia | Kenya |
| Brazil | Netherlands |
| Canada | New Zealand |
| China | Peru |
| Croatia | Republic of Korea |
| Czech Republic | Romania |
| Denmark | Slovakia |
| European Union | Spain |
| Finland | Trinidad and Tobago |
| France | United Kingdom |
| Hungary | United States of America |

The compilation of information provided by UPOV members is available as an Excel file on the TC/56 website along with document TC/56/2 “Test Guidelines” (see: <https://www.upov.int/meetings/en/details.jsp?meeting_id=55676>).

# Developments at the Technical COMMITTEE

The TC, at its fifty-sixth session4F[[5]](#footnote-6) considered document TC/56/22 “Outcome of consideration of documents by correspondence”, paragraphs 61 to 65 (see document TC/56/23 “Report”, paragraphs 77 to 79).

The TC requested the Office of the Union to identify Test Guidelines where a partial revision of the Test Guidelines, including the Technical Questionnaires, could be anticipated to produce significant benefits for harmonization between members and to present proposals for partial revisions to the Technical Working Parties, at their sessions in 2021, as set out in paragraphs 23 to 26 of document TC/56/2 (see document TC/56/22 “Outcome of consideration of documents by correspondence”, paragraph 62).

The TC noted that the Office of the Union had identified Test Guidelines where a partial revision could be anticipated to produce significant benefits for harmonization between members, as presented in the table below. The TC noted that the following criteria had been used to generate the Test Guidelines: large number of PBR applications in several members of the Union; a number of members of the Union have indicated that their technical questionnaires had differences from the UPOV Technical Questionnaire; and relevant crops for UPOV PRISMA.

| **TG reference** | **Test Guidelines Common Name** | **Français** | **Deutsch** | **Español** | **Botanical Name** | **UPOV codes** | **TWPs** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TG/2/7 | Maize | Maïs | Mais | Chícharo, Maíz | Zea mays L. | ZEAAA\_MAY | TWA/ TWV |
| TG/3/12 | Wheat | Blé | Weizen | Trigo | Triticum aestivum L. | TRITI\_AES | TWA |
| TG/11/8 Rev. | Rose | Rosier | Rose | Rosal | Rosa L. | ROSAA | TWO |
| TG/13/11 | Lettuce | Laitue | Salat | Lechuga | Lactuca sativa L. | LACTU\_SAT | TWV |
| TG/14/9 | Apple (fruit varieties) | Pommier (variétés fruitières) | Apfel (Fruchtsorten) | Manzano (variedades frutales) | Malus domestica Borkh. | MALUS\_DOM | TWF |
| TG/22/10 Rev. | Strawberry | Fraisier | Erdbeere | Fresa, Frutilla | Fragaria L. | FRAGA | TWF |
| TG/37/10 | Turnip | Navet | Herbst-, Mairübe | Nabo | Brassica rapa L. var. rapa (L.) | BRASS\_RAP\_RAP | TWV |
| TG/44/11 Rev.2 | Tomato | Tomate | Tomate | Tomate | Solanum lycopersicum (L.) Karst. ex. Farw. | SOLAN\_LYC | TWV |
| TG/46/7 | Onion, Echalion; Shallot;  Grey shallot | Oignon, Échalion; Échalote; Échalote grise | Zwiebel, Echalion; Schalotte; Graue schalotte | Cebolla, Echalion; Chalota; Chalota gris | Allium cepa (Cepa Group),  Allium cepa (Aggregatum Group) and  Allium oschaninii O. Fedtsch.  and hybrids between them | ALLIU\_CEP\_CEP, ALLIU\_CEP\_AGG, ALLIU\_OSC | TWV |
| TG/49/8 Corr. | Carrot | Carotte | Möhre | Zanahoria | Daucus carota L. | DAUCU\_CAR | TWV |
| TG/50/9 | Grapevine | Vigne | Rebe | Vid | Vitis L. | VITIS | TWF |
| TG/53/7 Rev. | Peach | Pêcher | Pfirsich | Durazno, Melocotonero | Prunus persica (L.) Batsch | PRUNU\_PER | TWF |
| TG/55/7 Rev. 5 | Spinach | Épinard | Spinat | Espinaca | Spinacia oleracea L. | SPINA\_OLE | TWV |
| TG/61/7 Rev. 2 | Cucumber, Gherkin | Concombre, Cornichon | Gurke | Pepino, Pepinillo | Cucumis sativus L. | CUCUM\_SAT | TWV |
| TG/76/8 Rev.2 | Sweet Pepper, Hot Pepper, Paprika, Chili | Piment, Poivron | Paprika | Aji, Chile, Pimiento | Capsicum annuum L. | CAPSI\_ANN | TWV |
| TG/81/6 | Sunflower | Tournesol | Sonnenblume | Girasol | Helianthus annuus L. & H. debilis Nutt. | HLNTS\_ANN; HLNTS\_DEB | TWA |
| TG/84/4 Corr. Rev. | Japanese Plum | Prunier japonais | Ostasiatische Pflaume | Ciruelo japonés | Prunus salicina Lindl. | PRUNU\_SAL | TWF |
| TG/98/7 | Actinidia, Kiwifruit | Actinidia | Actinidia | Actinidia | Actinidia Lindl. | ACTIN | TWF |
| TG/104/5 Rev. | Melon | Melon | Melone | Melón | Cucumis melo L. | CUCUM\_MEL | TWV |
| TG/119/4 | Vegetable Marrow, Squash | Rosier | Rose | Rosal | Cucurbita pepo L. | CUCUR\_PEP | TWV |
| TG/142/5 | Watermelon | Melon d'eau; Pastèque; | Wassermelone | Sandía | Citrullus lanatus (Thunb.) Matsum. et Nakai, Citrullus vulgaris Schrad. | CTRLS\_LAN | TWV |
| TG/187/2 | Prunus Rootstocks | Porte-greffes de Prunus | Prunus-Unterlagen | Portainjertos de prunus | Prunus L. | PRUNU | TWF |
| TG/276/1 | Hemp | Chanvre | Hanf | Cáñamo | Cannabis sativa L. | CANNB\_SAT | TWA |
| TG/294/1 Corr. Rev.2 | Tomato Rootstocks | Porte-greffe de tomate | Tomatenunterlagen | Portainjertos de tomate | Solanum habrochaites S. Knapp & D.M. Spooner; Solanum lycopersicum L. x Solanum habrochaites S. Knapp & D.M. Spooner; Solanum lycopersicum L. x Solanum peruvianum (L.) Mill.; Solanum lycopersicum L. x Solanum cheesmaniae (L. Ridley) Fosberg; Solanum pimpinellifolium L. x Solanum habrochaites S. Knapp & D.M. Spooner | SOLAN\_LHA, SOLAN\_LPE; SOLAN\_LCH; SOLAN\_PHA | TWV |

The TC agreed to invite the Office of the Union to consult interested members of the Union to explore for which of these Test Guidelines it would be feasible to propose partial revisions that would enable members of the Union to follow a revised UPOV Technical Questionnaire. The TC agreed that for the Test Guidelines concerned, the Office of the Union would develop proposals for the partial revision of the Test Guidelines, to be presented to the TWPs, at their sessions in 2021.

# proposals for partial revisions of test guidelines

On December 28, 2020, the Office of the Union issued Circular E-20/247 to all designated persons at the TC and TWPs inviting proposals for the addition of characteristics from the Table of Characteristics to the Technical Questionnaire of UPOV Test Guidelines.

On the basis of the replies received to Circular E-20/247, the following Test Guidelines are proposed to be partially revised for the inclusion of characteristics in section 5 of the Technical Questionnaire:

* TWV

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/2/7 | Maize | [Annex I](#_Test_Guidelines_for) |
| TG/13/11 | Lettuce | [Annex II](#_Test_Guidelines_for_1) |
| TG/49/8 Corr. | Carrot | [Annex III](#_Test_Guidelines_for_2) |
| TG/55/7 Rev. 5 | Spinach | [Annex IV](#_Test_Guidelines_for_3) |
| TG/61/7 Rev. 2 | Cucumber, Gherkin | [Annex V](#_Test_Guidelines_for_4) |
| TG/104/5 Rev. | Melon | [Annex VI](#_Test_Guidelines_for_5) |
| TG/119/4 | Vegetable Marrow, Squash | [Annex VII](#_Test_Guidelines_for_6) |
| TG/142/5 | Watermelon | [Annex VIII](#_Test_Guidelines_for_7) |
| TG/294/1 Corr. Rev. 2 | Tomato Rootstocks | [Annex IX](#_Test_Guidelines_for_8) |

* TWO:

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/11/8 Rev. | Rose | [Annex X](#_Test_Guidelines_for_9) |

* TWA:

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/2/7 | Maize | [Annex I](#_Test_Guidelines_for) |
| TG/3/12 | Wheat | [Annex XI](#_Test_Guidelines_for_10) |
| TG/276/1 | Hemp | [Annex XII](#_Test_Guidelines_for_11) |

* TWF:

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/53/7 Rev. | Peach | [Annex XIII](#_Test_Guidelines_for_12) |
| TG/84/4 Corr. 2 Rev. | Japanese Plum | [Annex XIV](#_Test_Guidelines_for_13) |
| TG/98/7 Rev. Corr. | Actinidia | [Annex XV](#_Test_Guidelines_for_14) |
| TG/187/2 | Prunus Rootstocks | [Annex XVI](#_Test_Guidelines_for_15) |

# Relationship between Asterisked, Grouping and TQ characteristics

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 questionnaire demonstrates that more characteristics are used in authorities’ technical questionnaires than those currently provided in the Technical Questionnaires of UPOV Test Guidelines.

In this procedure for partial revisions, it is proposed 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 to consider that matter further at the next full revision of the Test Guidelines concerned.

It is also proposed that the TWPs 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.

# Test Guidelines not covered in this document

Proposals for partial revision of Technical Questionnaires of the following Test Guidelines are not covered in this document due to ongoing full revisions of the respective Test Guidelines:

| **TG reference** | **Test Guidelines Common Name** | **Français** | **Deutsch** | **Español** | **Botanical Name** | **UPOV codes** | **TWPs** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TG/14/9 | Apple (fruit varieties) | Pommier (variétés fruitières) | Apfel (Fruchtsorten) | Manzano (variedades frutales) | Malus domestica Borkh. | MALUS\_DOM | TWF |
| TG/22/10 Rev. | Strawberry | Fraisier | Erdbeere | Fresa, Frutilla | Fragaria L. | FRAGA | TWF |
| TG/37/10 | Turnip | Navet | Herbst-, Mairübe | Nabo | Brassica rapa L. var. rapa (L.) | BRASS\_RAP\_RAP | TWV |
| TG/44/11 Rev.1 | Tomato | Tomate | Tomate | Tomate | Solanum lycopersicum (L.) Karst. ex. Farw. | SOLAN\_LYC | TWV |
| TG/50/9 | Grapevine | Vigne | Rebe | Vid | Vitis L. | VITIS | TWF |
| TG/76/8 Rev.2 | Sweet Pepper, Hot Pepper, Paprika, Chili | Piment, Poivron | Paprika | Aji, Chile, Pimiento | Capsicum annuum L. | CAPSI\_ANN | TWV |
| TG/81/6 | Sunflower | Tournesol | Sonnenblume | Girasol | Helianthus annuus L. & H. debilis Nutt. | HLNTS\_ANN; HLNTS\_DEB | TWA |

# Overview of individual proposals for partial revisions of Test Guidelines

The following section provides an overview of the Technical Questionnaires with the addition of the proposed characteristics from the table of characteristics. The full proposals in revisions mode are presented in Annexes I to XVI of this document. The characteristics from the table of characteristics proposed for inclusion in the Technical Questionnaire are indicated with grey highlighting and underline.

Information on whether characteristics have an asterisk (\*) in the Table of Characteristics is provided beside each proposal.

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 |  | First leaf: anthocyanin coloration of sheath |
| 8 | (\*) | Tassel: time of anthesis |
| 9 | (\*) | Tassel: anthocyanin coloration at base of glume |
| 11 |  | Tassel: anthocyanin coloration of anthers |
| 14 | (\*) | Tassel: number of primary lateral branches |
| 15 |  | Ear: time of silk emergence |
| 16 | (\*) | Ear: anthocyanin coloration of silks |
| 24.1 | (\*) | Only inbred lines and varieties with ear type of grain: sweet or pop: Plant: length |
| 24.2 | (\*) | Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop: Plant: length |
| 30 |  | Ear: shape |
| 32 |  | Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains |
| 33 | (\*) | Only varieties with ear type of grain: sweet: Grain: intensity of yellow color |
| 35 |  | Only varieties with ear type of grain: sweet: Grain: width |
| 36 | (\*) | Ear: type of grain |
| 37 | (\*) | Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain |
| 38 | (\*) | Ear: color of top of grain |
| 39 | (\*) | Excluding varieties with ear type of grain: sweet: Ear: color of dorsal side of grain |
| 41 | (\*) | Ear: anthocyanin coloration of glumes of cob |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comments** |
| 1 | (\*) | Seed: color |  |
| 2 | (\*) | Plant: diameter |  |
| 3 | (\*) | Plant: degree of overlapping of upper part of leaves |  |
| 6 | (\*) | Leaf: number of divisions |  |
| 7 |  | Only varieties with Leaf: number of divisions: absent or very few: Leaf: shape |  |
| 11 | (\*) | Leaf: anthocyanin coloration |  |
| 15 | (\*) | Leaf: intensity of green color |  |
| 18 | (\*) | Leaf: blistering |  |
| 20 | (\*) | Leaf: undulation of margin |  |
| 22 |  | Leaf: depth of incisions of margin |  |
| 25 | (\*) | Leaf: venation |  |
| 26 |  | Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: size |  |
| 27 | (\*) | Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: shape in longitudinal section |  |
| 35 | (\*) | Time of beginning of bolting |  |
| 38 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 16EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 39 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 17EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 40 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 20EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 41 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 21EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 42 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 22EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 43 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 23EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 44 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 24EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 45 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 25EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 46 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 26EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 47 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 27EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 53 |  | Resistance to Lettuce mosaic virus (LMV) Pathotype II | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 54 |  | Resistance to *Nasonovia ribisnigri* (Nr) Biotype Nr: 0 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 3 | (\*) | Leaf: length (including petiole) |
| 5 | (\*) | Leaf: intensity of green color |
| 6 | (\*) | Leaf: anthocyanin coloration of petiole |
| 7 | (\*) | Root: length |
| 8 | (\*) | Root: width |
| 10 | (\*) | Root: shape in longitudinal section |
| 12 | (\*) | Root: shape of shoulder |
| 13 | (\*) | Root: tip (when fully developed) |
| 14 | (\*) | Root: external color |
| 15 |  | Excluding varieties with white external root color: Root: intensity of external color |
| 16 |  | Root: anthocyanin coloration of skin of shoulder |
| 20 | (\*) | Root: color of core |
| 28 |  | Root: time of coloration of tip in longitudinal section |
| 29 |  | Plant: tendency to bolting |
| 31 | (\*) | Plants: proportion of male sterile plants |
| 32 | (\*) | Plant: type of male sterility |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comments** |
| 1 |  | Seedling: length of cotyledon |  |
| 2 | (\*) | Leaf: anthocyanin coloration of petioles and veins |  |
| 3 | (\*) | Leaf blade: intensity of green color |  |
| 4 | (\*) | Leaf blade: blistering |  |
| 9 | (\*) | Leaf blade: shape (excluding basal lobes) |  |
| 11 | (\*) | Leaf blade: shape of apex |  |
| 13 | (\*) | Proportion of monoecious plants |  |
| 14 | (\*) | Proportion of female plants |  |
| 15 | (\*) | Proportion of male plants |  |
| 16 | (\*) | Time of start of bolting (for spring sown crops, 15% of plants) |  |
| 18.1 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 1 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.2 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 2 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.3 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 3 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.4 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 4 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.5 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 5 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.6 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 6 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.7 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 7 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.8 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 8 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.9 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 10 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.10 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 11 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.11 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 12 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.12 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 13 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.13 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 14 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.14 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 15 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.15 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 16 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 18.16 |  | Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 17 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 | (\*) | Cotyledon: bitterness |
| 2 | (\*) | Plant: growth type |
| 13 | (\*) | Plant: sex expression |
| 15 | (\*) | Ovary: color of vestiture |
| 16 | (\*) | Parthenocarpy |
| 17 | (\*) | Fruit: length |
| 18 |  | Fruit: diameter |
| 22 | (\*) | Fruit: shape of stem end |
| 25 | (\*) | Fruit: ground color of skin at market stage |
| 31 | (\*) | Fruit: type of vestiture |
| 35 |  | Fruit: size of warts |
| 44 |  | Resistance to *Cladosporium cucumerinum* (Ccu) |
| 45 |  | Resistance to *Cucumber mosaic virus* (CMV) |
| 46 |  | Resistance to Powdery mildew (*Podosphaera xanthii*) (Px) |
| 48 |  | Resistance to Corynespora blight and target leaf spot (*Corynespora cassiicola*) (Cca) |
| 49 |  | Resistance to *Cucumber vein yellowing virus* (CVYV) |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comments** |
| 12 | (\*) | Inflorescence: sex expression (at full flowering) |  |
| 24 | (\*) | Fruit: length |  |
| 25 | (\*) | Fruit: diameter |  |
| 28 | (\*) | Fruit: shape in longitudinal section |  |
| 29 | (\*) | Fruit: ground color of skin |  |
| 36 | (\*) | Fruit: density of patches |  |
| 38 | (\*) | Fruit: warts |  |
| 43 | (\*) | Fruit: grooves |  |
| 47 | (\*) | Fruit: creasing of surface |  |
| 48 | (\*) | Fruit: cork formation |  |
| 50 | (\*) | Fruit: pattern of cork formation |  |
| 51 | (\*) | Fruit: density of pattern of cork formation |  |
| 54 | (\*) | Fruit: main color of flesh |  |
| 60 | (\*) | Seed: length |  |
| 63 | (\*) | Seed: color |  |
| 65 |  | Time of male flowering |  |
| 66 |  | Time of female flowering |  |
| 67 |  | Time of ripening |  |
| 68 | (\*) | Shelf life of fruit |  |
| 69.1 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *Melonis* Race 0 |  |
| 69.2 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *Melonis* Race 1 |  |
| 69.3 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *Melonis* Race 2 |  |
| 69.4 |  | Resistance to *Fusarium oxysporum* f. sp. *Melonis* Race 1.2 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 70.1 |  | Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) Race 1 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 70.2 |  | Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) Race 2 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 70.3 |  | Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) Race 3 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 70.4 |  | Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) Race 5 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 70.5 |  | Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) Race 3-5 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 71 |  | Resistance to *Golovinomyces cichoracearum* (*Erysiphe cichoracearum*) Race 1 (Powdery mildew) | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 72 |  | Resistance to colonization by *Aphis gossypii* | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 73 |  | Resistance to Zucchini yellow mosaic virus (ZYMV) | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 74.1 |  | Resistance to Papaya ringspot virus (PRSV) Guadeloupe strain | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 74.2 |  | Resistance to Papaya ringspot virus (PRSV) E2 strain | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 75 |  | Resistance to Melon necrotic spot virus (MNSV) Strain 0 (MNSV: 0) | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 76 |  | Resistance to Cucumber mosaic virus (CMV) | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 4 | (\*) | Plant: growth habit |
| 5 | (\*) | Plant: branching |
| 13 | (\*) | Leaf blade: incisions |
| 15 | (\*) | Leaf blade: silvery patches |
| 16 |  | Leaf blade: relative area covered by silvery patches |
| 26 |  | Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape |
| 27 | (\*) | Young fruit: main color of skin (excluding color of ribs or grooves) |
| 30 | (\*) | Fruit: general shape |
| 31.1 | (\*) | Only Scallop type varieties: Fruit: length |
| 31.2 | (\*) | Only Acorn type varieties: Fruit: length |
| 31.3 | (\*) | Only Neck type varieties: Fruit: length |
| 31.4 | (\*) | Only Zucchini type varieties: Fruit: length |
| 32.1 |  | Only Scallop type varieties: Fruit: maximum diameter |
| 32.2 |  | Only Acorn type varieties: Fruit: maximum diameter |
| 32.3 |  | Only Zucchini type varieties: Fruit: maximum diameter |
| 34.1 | (\*) | Only Pumpkin type varieties: Fruit: size |
| 34.2 | (\*) | Only Rondini type varieties: Fruit: size |
| 46 | (\*) | Fruit: grooves |
| 50 | (\*) | Fruit: main color of skin (excluding color of dots, patches, stripes and bands) |
| 51 |  | Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50) |
| 52 |  | Only varieties with green color of skin: Fruit: intensity of green color of skin (as for 50) |
| 54 |  | Fruit: stripes in grooves |
| 57 |  | Fruit: dots |
| 59 |  | Fruit: secondary green color between ribs (excluding dots) |
| 69 | (\*) | Ripe fruit: main color of skin (excluding color of mottles, patches, stripes and bands) |
| 71 | (\*) | Ripe fruit: secondary color of skin (as for 69) |
| 74 | (\*) | Ripe fruit: color of flesh |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 | (\*) | Ploidy |
| 8 | (\*) | Leaf blade: degree of lobing |
| 11 | (\*) | Fruit: weight |
| 12 | (\*) | Fruit: shape in longitudinal section |
| 16 | (\*) | Fruit: ground color of skin |
| 18 | (\*) | Fruit: pattern of stripes |
| 19 | (\*) | Fruit: width of stripes |
| 21 | (\*) | Fruit: conspicuousness of stripes |
| 22 | (\*) | Fruit: margin of stripes |
| 27 | (\*) | Fruit: thickness of pericarp |
| 28 | (\*) | Fruit: main color of flesh |
| 31 | (\*) | Only diploid and tetraploid varieties: Seed: length |
| 33 | (\*) | Only diploid and tetraploid varieties: Seed: ground color of testa |
| 36 |  | Time of female flowering |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 2 |  | Plant: height |
| 11 | (\*) | Fruit: green shoulder |
| 16 | (\*) | Fruit: size |
| 17 | (\*) | Fruit: shape in longitudinal section |
| 18 | (\*) | Fruit: number of locules |
| 19 | (\*) | Fruit: color at maturity |
| 21 | (\*) | Autonecrosis |
| 22 | (\*) | Resistance to *Meloidogyne incognita* (Mi) |
| 23 | (\*) | Resistance to *Verticillium* sp. (Va and Vd) – Race 0 |
| 24.1 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *lycopersici* (Fol) – Race 0EU/1US |
| 24.2 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *lycopersici* (Fol)– Race 1EU/2US |
| 24.3 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *lycopersici* (Fol)– Race 2EU/3US |
| 25 | (\*) | Resistance to *Fusarium oxysporum* f. sp. *radicis‑lycopersici* (Forl) |
| 28 |  | Resistance to *Pyrenochaeta lycopersici* (Pl) |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 | (\*) | Plant: growth type | |
| 2 | (\*) | Excluding varieties with growth type climber: Plant: growth habit | |
| 3 |  | Plant: height (during second flush) | |
| 6 |  | Stem: number of prickles (excluding very small and hair-like prickles ) | |
| 7 |  | Prickles: pre­dominant color (as for 6) | |
| 8 |  | Leaf: size | |
| 13 | (\*) | Terminal leaflet: shape of blade | |
| 16 |  | Flowering shoot: flowering laterals | |
| 17 |  | Flowering shoot: number of flowering laterals | |
| 18 |  | Only varieties with no flowering laterals: Flowering shoot: number of flowers | |
| 19 |  | Only varieties with flowering laterals: Flowering shoot: number of flowers per lateral | |
| 21 | (\*) | Flower: type | |
| 22 | (\*) | Flower: number of petals | |
| 23 | (\*) | Flower: color group | |
| 24 |  | Only varieties with flower type: double: Flower: color of center | |
| 26 | (\*) | Flower: diameter | |
| 27 | (\*) | Flower: shape | |
| 30 |  | Flower: fragrance | |
| 33 | (\*) | Petal: shape | |
| 38 | (\*) | Petal: length | |
| 40 | (\*) | Petal: number of colors on inner side (basal spot excluded) | |
| 42 | (\*) | Petal: main color on the inner side (main color is that with largest surface area) | |
| 43 | (\*) | Only varieties with two or more colors on inner side of petal: Petal: secondary color (basal spot excluded) | |
| 45 | (\*) | Only varieties with two or more colors on inner side of petal: Petal: distribution of secondary color on inner side (basal spot excluded) | |
| 50 | (\*) | Petal: main color on the outer side (only if clearly different from inner side) | |
| 53 |  | Hip: shape in longitudinal section | |
| 54 |  | Hip: color (at mature stage) | |

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 |  | Seed: color |
| 3 |  | Coleoptile: anthocyanin coloration |
| 7 | (\*) | Time of ear emergence |
| 12 | (\*) | Lower glume: hairiness on external surface |
| 13 | (\*) | Plant: length |
| 14 | (\*) | Straw: pith in cross section |
| 17 | (\*) | Ear: scurs or awns |
| 19 | (\*) | Ear: color |
| 26 |  | Lower glume: area of hairiness on internal surface |
| 27 | (\*) | Seasonal type |

## Test Guidelines for Hemp (document TG/276/1)

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 8 | (\*) | Leaf: number of leaflets |
| 10 |  | Central leaflet: width |
| 11 | (\*) | Time of male flowering |
| 13 | (\*) | Inflorescence: THC content |
| 14 | (\*) | Plant: proportion of hermaphrodite plants |
| 15 | (\*) | Plant: proportion of female plants |
| 16 | (\*) | Plant: proportion of male plants |
| 17 | (\*) | Plant: natural height |
| 18 | (\*) | Main stem: color |
| 24 |  | Seed: color of testa |
| 25 |  | Seed: marbling |

## Test Guidelines for Peach (document TG/53/7 Rev.)

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

## Test Guidelines for Japanese Plum (document TG/84/4 Corr. 2 Rev.)

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 2 |  | Tree: vigor |
| 5 |  | Spur: length |
| 12 | (\*) | Leaf blade: shape |
| 14 | (\*) | Leaf blade: angle of apex (excluding tip) |
| 20 | (\*) | Pedicel: length |
| 21 |  | Flower: diameter |
| 29 | (\*) | Fruit: size |
| 32 | (\*) | Fruit: shape in lateral view |
| 40 | (\*) | Fruit: ground color of skin |
| 42 | (\*) | Fruit: over color of skin |
| 46 | (\*) | Fruit: color of flesh |
| 51 | (\*) | Fruit: adherence of stone to flesh |
| 53 | (\*) | Stone: size |
| 60 | (\*) | Time of beginning of flowering |
| 61 | (\*) | Time of beginning of fruit ripening |

## Test Guidelines for Actinidia (document TG/98/7 Rev. Corr.)

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 13 | (\*) | Stem: presence of bud cover |
| 14 | (\*) | Stem: size of hole in bud cover |
| 17 | (\*) | Leaf blade: shape |
| 19 | (\*) | Leaf blade: shape of apex |
| 42 |  | Petal: main color on adaxial side |
| 46 |  | Anther: color |
| 47 | (\*) | Fruit: weight |
| 51 | (\*) | Fruit: shape |
| 52 | (\*) | Fruit: shape in cross section (at median) |
| 53 | (\*) | Fruit: stylar end |
| 56 | (\*) | Fruit: shape of shoulder at stalk end |
| 60 | (\*) | Fruit: hairiness of skin |
| 64 | (\*) | Fruit: color of skin |
| 66 | (\*) | Fruit: color of outer pericarp |
| 67 | (\*) | Fruit: color of locules |
| 72 | (\*) | Fruit: color of core |
| 75 | (\*) | Time of vegetative bud burst |
| 76 | (\*) | Time of beginning of flowering |
| 77 | (\*) | Time of maturity for harvest |

## Test Guidelines for Prunus Rootstocks (document TG/187/2)

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 | (\*) | Plant: vigor |
| 2 | (\*) | Plant: habit |
| 4 |  | One-year-old shoot: thickness |
| 15 | (\*) | Leaf blade: length |
| 16 |  | Leaf blade: width |
| 18 | (\*) | Leaf blade: shape |
| 22 | (\*) | Leaf blade: color of upper side |
| 25 | (\*) | Leaf blade: incisions of margin |
| 32 | (\*) | Leaf: presence of nectaries |

*The TWPs are invited:*

*(a) 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 to consider that matter further at the next full revision of the Test Guidelines concerned; and*

*(b) 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.*

*The TWV is invited to consider the proposals for partial revisions of the Test Guidelines for Maize, Onion and Shallot, Carrot, Spinach, Cucumber, Melon, Squash, Watermelon and Tomato Rootstocks, as set out in paragraph 17 and Annexes I to IX to this document.*

*The TWO is invited to consider the proposal for partial revisions of the Test Guidelines for Rose, as set out in paragraph 17 and Annex X to this document.*

*The TWA is invited to consider the proposals for partial revisions of the Test Guidelines for Maize, Wheat and Hemp, as set out in paragraph 17 and Annexes I, XI and XII to this document.*

*The TWF is invited to consider the proposals for partial revisions of the Test Guidelines for Peach, Japanese Plum, Kiwifruit and Prunus Rootstocks, as set out in paragraph 17 and Annexes XIII to XVI to this document.*

[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 | |
| **5.1 (1)** | First leaf: anthocyanin coloration of sheath | | |  |  | |
|  | absent or very weak | | | 0674, Jubilee (SC) | 1[ ] | |
|  | very weak to weak | | |  | 2[ ] | |
|  | weak | | | MO17, Puma (SC) | 3[ ] | |
|  | weak to medium | | |  | 4[ ] | |
|  | medium | | | F252,  Gyöngymazsola (SC) | 5[ ] | |
|  | medium to strong | | |  | 6[ ] | |
|  | strong | | | F244 | 7[ ] | |
|  | strong to very strong | | |  | 8[ ] | |
|  | very strong | | |  | 9[ ] | |
| **5.~~1~~ 2 (8)** | Tassel: time of anthesis | | |  |  | |
|  | 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 [ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~2~~ 3 (9)** | Tassel: anthocyanin coloration at base of glume | | |  |  | |
|  | absent or very weak | | | Royalty (SC), W117 | 1[ ] | |
|  | very weak to weak | | |  | 2[ ] | |
|  | weak | | | Boston (SC), F66 | 3[ ] | |
|  | weak to medium | | |  | 4[ ] | |
|  | medium | | | F107 | 5[ ] | |
|  | medium to strong | | |  | 6[ ] | |
|  | strong | | | EP1 | 7[ ] | |
|  | strong to very strong | | |  | 8[ ] | |
|  | very strong | | |  | 9[ ] | |
| **5.4 (11)** | **Tassel: anthocyanin coloration of anthers** | | |  |  | |
|  | absent or very weak | | | A654, Empire (SC) | 1[ ] | |
|  | very weak to weak | | |  | 2[ ] | |
|  | weak | | | F2, Royalty (SC) | 3[ ] | |
|  | weak to medium | | |  | 4[ ] | |
|  | medium | | | Centurion (SC), W182E | 5[ ] | |
|  | medium to strong | | |  | 6[ ] | |
|  | strong | | |  | 7[ ] | |
|  | strong to very strong | | |  | 8[ ] | |
|  | very strong | | |  | 9[ ] | |
| **5.5 (14)** | **Tassel: number of primary lateral branches** | | |  |  | |
|  | absent or very few | | | F7 | 1[ ] | |
|  | very few to few | | |  | 2[ ] | |
|  | few | | | F252, Mv. Aranyos (SC) | 3[ ] | |
|  | few to medium | | |  | 4[ ] | |
|  | medium | | | F244, Kokanee (SC) | 5[ ] | |
|  | medium to many | | |  | 6[ ] | |
|  | many | | | A188, Zenith (SC) | 7[ ] | |
|  | many to very many | | |  | 8[ ] | |
|  | very many | | | Suregold (SC) | 9[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.6 (15)** | **Ear: time of silk emergence** | | |  |  | |
|  | very early | | | Mv. Aranyos (SC) | 1[ ] | |
|  | very early to early | | | KW1069, Spirit (SC) | 2[ ] | |
|  | early | | | Champ (SC), F257 | 3[ ] | |
|  | early to medium | | | F259, Royalty (SC) | 4[ ] | |
|  | medium | | | Bonus (SC), F522 | 5[ ] | |
|  | medium to late | | | A632 | 6[ ] | |
|  | late | | | B73 | 7[ ] | |
|  | late to very late | | | AM1513 | 8[ ] | |
|  | very late | | |  | 9[ ] | |
| **5.~~3~~ 7 (16)** | Ear: anthocyanin coloration of silks | | |  |  | |
|  | absent or very weak | | | Bonus (SC), F7, F195 | 1[ ] | |
|  | very weak to weak | | |  | 2[ ] | |
|  | weak | | | El Toro (SC), F257 | 3[ ] | |
|  | weak to medium | | |  | 4[ ] | |
|  | medium | | | F244, Gyöngymazsola (SC) | 5[ ] | |
|  | medium to strong | | |  | 6[ ] | |
|  | strong | | | W401 | 7[ ] | |
|  | strong to very strong | | |  | 8[ ] | |
|  | very strong | | |  | 9[ ] | |
| **5.~~4~~ 8 i (24.1)** | **Only inbred lines and varieties with ear type of grain: sweet or pop: Plant: length** | | |  |  | |
|  | very short | | | F7 | 1[ ] | |
|  | very short to short | | |  | 2[ ] | |
|  | short | | | W117, Spirit (SC) | 3[ ] | |
|  | short to medium | | |  | 4[ ] | |
|  | medium | | | F244, Puma (SC) | 5[ ] | |
|  | medium to long | | |  | 6[ ] | |
|  | long | | | Royalty (SC), WD36 | 7[ ] | |
|  | long to very long | | |  | 8[ ] | |
|  | very long | | | Enterprise (SC) | 9[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~4~~ 8 ii (24.2)** | **Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop: Plant: length** | | |  |  | |
|  | very short | | |  | 1[ ] | |
|  | very short to short | | |  | 2[ ] | |
|  | short | | | PR39D23 | 3[ ] | |
|  | short to medium | | |  | 4[ ] | |
|  | medium | | | PR37Y12 | 5[ ] | |
|  | medium to long | | |  | 6[ ] | |
|  | long | | | DKC5166 | 7[ ] | |
|  | long to very long | | |  | 8[ ] | |
|  | very long | | |  | 9[ ] | |
| **5.9 (30)** | **Ear: shape** | | |  |  | |
|  | conical | | | F16, Wombat (SC) | 1[ ] | |
|  | conico-cylindrical | | | Centurion (SC), F816 | 2[ ] | |
|  | cylindrical | | | F66, GH2547 (SC) | 3[ ] | |
| **5.10 (32)** | **Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains** | | |  |  | |
|  | one | | | Jubilee (SC) | 1[ ] | |
|  | two | | | Eolrukchal-ilho, Serendipity (SC) | 2[ ] | |
| **5.11 (33)** | **Only varieties with ear type of grain: sweet: Grain: intensity of yellow color** | | |  |  | |
|  | very light | | |  | 1[ ] | |
|  | very light to light | | |  | 2[ ] | |
|  | light | | | Gyöngymazsola (SC) | 3[ ] | |
|  | light to medium | | |  | 4[ ] | |
|  | medium | | | Royalty (SC) | 5[ ] | |
|  | medium to dark | | |  | 6[ ] | |
|  | dark | | | Kokanee (SC) | 7[ ] | |
|  | dark to very dark | | |  | 8[ ] | |
|  | very dark | | |  | 9[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.12 (35)** | **Only varieties with ear type of grain: sweet: Grain: width** | | |  |  | |
|  | very narrow | | |  | 1[ ] | |
|  | very narrow to narrow | | |  | 2[ ] | |
|  | narrow | | | Bonus (SC) | 3[ ] | |
|  | narrow to medium | | |  | 4[ ] | |
|  | medium | | | Jubilee (SC) | 5[ ] | |
|  | medium to broad | | |  | 6[ ] | |
|  | broad | | | Mv. Aranyos (SC) | 7[ ] | |
|  | broad to very broad | | |  | 8[ ] | |
|  | very broad | | |  | 9[ ] | |
| **5.~~5~~ 13 (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 [ ] | |
| **5.14 (37)** | **Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain** | | |  | |  |
|  | weak | | | Zarja (SC) | | 1[ ] |
|  | weak to medium | | |  | | 2[ ] |
|  | medium | | | Merkur (SC) | | 3[ ] |
|  | medium to strong | | |  | | 4[ ] |
|  | strong | | | Dessert 73 (SC) | | 5[ ] |
|  | Characteristics | | | Example Varieties | | Note |
| **5.15 (38)** | **Ear: color of top of grain** | | |  | |  |
|  | white | | | A188, Pure white (SC), Snowbelle (SC) | | 1 [ ] |
|  | yellowish white | | |  | | 2 [ ] |
|  | yellow | | | F259 | | 3 [ ] |
|  | yellow orange | | | F2, Gyöngymazsola (SC) | | 4 [ ] |
|  | orange | | | F257, GH 2547 (SC) | | 5 [ ] |
|  | red orange | | | Dynasty (SC) | | 6 [ ] |
|  | red | | |  | | 7 [ ] |
|  | purple | | |  | | 8 [ ] |
|  | brownish | | | Zenith (SC) | | 9 [ ] |
|  | blue black | | | Miheukchal | | 10 [ ] |
| **5.~~6~~ 16 (39)** | **Excluding varieties with ear type of grain: sweet: Ear: color of dorsal side of grain** | | |  | |  |
|  | white | | | F481 | 1 [ ] | |
|  | yellowish white | | | A188 | 2 [ ] | |
|  | yellow | | |  | 3 [ ] | |
|  | yellow orange | | | F66 | 4 [ ] | |
|  | orange | | | EP1 | 5 [ ] | |
|  | red orange | | |  | 6 [ ] | |
|  | red | | |  | 7 [ ] | |
|  | purple | | |  | 8 [ ] | |
|  | brownish | | |  | 9 [ ] | |
|  | blue black | | |  | 10 [ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~7~~ 17 (41)** | **Ear: anthocyanin coloration of glumes of cob** | | |  |  | |
|  | absent or very weak | | | F2, F257 | 1 [ ] | |
|  | very weak to weak | | |  | 2 [ ] | |
|  | weak | | | F252 | 3 [ ] | |
|  | weak to medium | | |  | 4 [ ] | |
|  | medium | | | W117 | 5 [ ] | |
|  | medium to strong | | |  | 6 [ ] | |
|  | strong | | | A632 | 7 [ ] | |
|  | strong to very strong | | |  | 8 [ ] | |
|  | 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** |  |  | | --- | | **(1)** | | | |  | | --- | | **Seed: color** | |  |  |
|  | | |  | | --- | | white | | |  | | --- | | Verpia | | |  | | --- | | 1 [   ] | |
|  | | |  | | --- | | yellow | | |  | | --- | | Durango | | |  | | --- | | 2 [   ] | |
|  | | |  | | --- | | brown | | |  | | --- | | Oaklin | | |  | | --- | | 3 [   ] | |
|  | | |  | | --- | | black | | |  | | --- | | Kagraner Sommer 2 | | |  | | --- | | 4 [   ] | |
| **5.2 (2)** | | |  | | --- | | **Plant: diameter** | |  |  |
|  | | very small | Tom Thumb | |  | | --- | | 1 [   ] | |
|  | | very small to small |  | |  | | --- | | 2 [   ] | |
|  | | small | Gotte à graine blanche | |  | | --- | | 3 [   ] | |
|  | | small to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Clarion, Verpia | |  | | --- | | 5 [   ] | |
|  | | medium to large |  | |  | | --- | | 6 [   ] | |
|  | | large | Great Lakes 659 | |  | | --- | | 7 [   ] | |
|  | | large to very large |  | |  | | --- | | 8 [   ] | |
|  | | very large | El Toro | |  | | --- | | 9 [   ] | |
| **5.3 (3)** | | |  | | --- | | **Plant: degree of overlapping of upper part of leaves** | |  |  |
|  | | absent or weak | Actarus, Aquarel,  Blonde à couper améliorée, Curtis, Lollo rossa | |  | | --- | | 1 [   ] | |
|  | | medium | Augusta, Clarion, Fiorella | |  | | --- | | 2 [   ] | |
|  | | strong | Roxette, Vanguard 75 | |  | | --- | | 3 [   ] | |
|  | | Characteristics | Example Varieties | Note |
| **5.4 (6)** | | |  | | --- | | **Leaf: number of divisions** | |  |  |
|  | | absent or very few | Fiorella, Lollo rossa | |  | | --- | | 1 [   ] | |
|  | | very few to few |  | |  | | --- | | 2 [   ] | |
|  | | few | Curletta, Rodagio | |  | | --- | | 3 [   ] | |
|  | | few to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Ezabel, Jadigon | |  | | --- | | 5 [   ] | |
|  | | medium to many |  | |  | | --- | | 6 [   ] | |
|  | | many | Expedition, Multired 54 | |  | | --- | | 7 [   ] | |
|  | | many to very many |  | |  | | --- | | 8 [   ] | |
|  | | very many | Excite, Ezfrill, Telex | |  | | --- | | 9 [   ] | |
| **5.5 (7)** | | |  | | --- | | **Only varieties with Leaf: number of divisions: absent or very few: Leaf: shape** | |  |  |
|  | | triangular |  | |  | | --- | | 1 [   ] | |
|  | | lanceolate | Qingyuanyewoju | |  | | --- | | 2 [   ] | |
|  | | medium oblate | Stylist | |  | | --- | | 3 [   ] | |
|  | | narrow oblate | Commodore, Fiorella | |  | | --- | | 4 [   ] | |
|  | | circular | Verpia | |  | | --- | | 5 [   ] | |
|  | | broad elliptic | Amadeus | |  | | --- | | 6 [   ] | |
|  | | medium elliptic | Xanadu | |  | | --- | | 7 [   ] | |
|  | | narrow elliptic | Verte maraîchère | |  | | --- | | 8 [   ] | |
|  | | linear | Hongwoju | |  | | --- | | 9 [   ] | |
|  | | broad obtrullate |  | 10 [   ] |
|  | | obovate | Raisa | 11 [   ] |
|  | | oblanceolate | Xiangshengcai | 12 [   ] |
| |  | | --- | | **5.~~2~~ 6** |  |  | | --- | | **(11)** | | | |  | | --- | | **Leaf: anthocyanin coloration** | |  |  |
|  | | |  | | --- | | absent or very weak | | |  | | --- | | Clarion | | |  | | --- | | 1 [   ] | |
|  | | |  | | --- | | very weak to weak | | |  | | --- | |  | | |  | | --- | | 2 [   ] | |
|  | | |  | | --- | | weak | | |  | | --- | | Du bon jardinier | | |  | | --- | | 3 [   ] | |
|  | | |  | | --- | | weak to medium | | |  | | --- | |  | | |  | | --- | | 4 [   ] | |
|  | | |  | | --- | | medium | | |  | | --- | | Lollo rossa, Luana | | |  | | --- | | 5 [   ] | |
|  | | |  | | --- | | medium to strong | | |  | | --- | |  | | |  | | --- | | 6 [   ] | |
|  | | |  | | --- | | strong | | |  | | --- | | Merveille des quatre saisons | | |  | | --- | | 7 [   ] | |
|  | | |  | | --- | | strong to very strong | | |  | | --- | |  | | |  | | --- | | 8 [   ] | |
|  | | |  | | --- | | very strong | | |  | | --- | | Iride, Revolution | | |  | | --- | | 9 [   ] | |
|  | | Characteristics | Example Varieties | Note |
| |  | | --- | | **5.~~3~~ 7** |  |  | | --- | | **(15)** | | | |  | | --- | | **Leaf: intensity of green color** | |  |  |
|  | | |  | | --- | | very light | | |  | | --- | |  | | |  | | --- | | 1 [   ] | |
|  | | |  | | --- | | very light to light | | |  | | --- | |  | | |  | | --- | | 2 [   ] | |
|  | | |  | | --- | | light | | |  | | --- | | Blonde maraîchère, Lollo Bionda | | |  | | --- | | 3 [   ] | |
|  | | |  | | --- | | light to medium | | |  | | --- | |  | | |  | | --- | | 4 [   ] | |
|  | | |  | | --- | | medium | | |  | | --- | | Aquarel, Clarion | | |  | | --- | | 5 [   ] | |
|  | | |  | | --- | | medium to dark | | |  | | --- | |  | | |  | | --- | | 6 [   ] | |
|  | | |  | | --- | | dark | | |  | | --- | | Expedition, Verpia | | |  | | --- | | 7 [   ] | |
|  | | |  | | --- | | dark to very dark | | |  | | --- | |  | | |  | | --- | | 8 [   ] | |
|  | | |  | | --- | | very dark | | |  | | --- | | Pascal, Verdetrix | | |  | | --- | | 9 [   ] | |
| **5.8 (18)** | | |  | | --- | | **Leaf: blistering** | |  |  |
|  | | absent or very weak | Duplex, Sartre | |  | | --- | | 1 [   ] | |
|  | | very weak to weak |  | |  | | --- | | 2 [   ] | |
|  | | weak | Fiorella | |  | | --- | | 3 [   ] | |
|  | | weak to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Commodore | |  | | --- | | 5 [   ] | |
|  | | medium to strong |  | |  | | --- | | 6 [   ] | |
|  | | strong | Blonde de Paris, Xanadu | |  | | --- | | 7 [   ] | |
|  | | strong to very strong |  | |  | | --- | | 8 [   ] | |
|  | | very strong | Blonde de Doulon, Iride, Karioka | |  | | --- | | 9 [   ] | |
| **5.9 (20)** | | |  | | --- | | **Leaf: undulation of margin** | |  |  |
|  | | absent or very weak | Tiago | |  | | --- | | 1 [   ] | |
|  | | very weak to weak |  | |  | | --- | | 2 [   ] | |
|  | | weak | Commodore | |  | | --- | | 3 [   ] | |
|  | | weak to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Noisette, Pentared | |  | | --- | | 5 [   ] | |
|  | | medium to strong |  | |  | | --- | | 6 [   ] | |
|  | | strong | Calmar, Invicta | |  | | --- | | 7 [   ] | |
|  | | strong to very strong |  | |  | | --- | | 8 [   ] | |
|  | | very strong | Lollo rossa | |  | | --- | | 9 [   ] | |
|  | | Characteristics | Example Varieties | Note |
| **5.10 (22)** | | |  | | --- | | **Leaf: depth of incisions of margin** | |  |  |
|  | | absent or very shallow | Actarus, Clarion, Tiago | |  | | --- | | 1 [   ] | |
|  | | very shallow to shallow |  | |  | | --- | | 2 [   ] | |
|  | | shallow | Pentared, Unicum | |  | | --- | | 3 [   ] | |
|  | | shallow to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Santarinas | |  | | --- | | 5 [   ] | |
|  | | medium to deep |  | |  | | --- | | 6 [   ] | |
|  | | deep | Expedition | |  | | --- | | 7 [   ] | |
|  | | deep to very deep |  | |  | | --- | | 8 [   ] | |
|  | | very deep |  | 9 [   ] |
| **5.11 (25)** | | |  | | --- | | **Leaf: venation** | |  |  |
|  | | not flabellate | Verpia, Xanadu | |  | | --- | | 1 [   ] | |
|  | | semi-flabellate | Kibrille, Muraï | |  | | --- | | 2 [   ] | |
|  | | flabellate | Locarno, Roxette | |  | | --- | | 3 [   ] | |
| **5.12 (26)** | | |  | | --- | | **Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: size** | |  |  |
|  | | very small | Tom Thumb | |  | | --- | | 1 [   ] | |
|  | | very small to small |  | |  | | --- | | 2 [   ] | |
|  | | small | Xanadu | |  | | --- | | 3 [   ] | |
|  | | small to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Fiorella, Soraya | |  | | --- | | 5 [   ] | |
|  | | medium to large |  | |  | | --- | | 6 [   ] | |
|  | | large | Great Lakes 659 | |  | | --- | | 7 [   ] | |
|  | | large to very large |  | |  | | --- | | 8 [   ] | |
|  | | very large | Blonde maraîchère, El Toro | 9 [   ] |
| **5.13 (27)** | | |  | | --- | | **Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: shape in longitudinal section** | |  |  |
|  | | narrow elliptic | Verte maraîchère | |  | | --- | | 1 [   ] | |
|  | | broad elliptic | Amadeus, Sucrine | |  | | --- | | 2 [   ] | |
|  | | circular | Verpia | |  | | --- | | 3 [   ] | |
|  | | narrow oblate | Ametist | |  | | --- | | 4 [   ] | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | | | | | |
|  | | | | |
|  | Characteristics | Example Varieties | Note |
| |  | | --- | | **5.~~4~~ 14** |  |  | | --- | | **(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 [   ] | |
| **5.15 (38)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 16EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.16 (39)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 17EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.17 (40)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 20EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.18 (41)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 21EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès, Colorado | 9 [   ] |
|  | not tested |  | [   ] |
| **5.19 (42)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 22EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.20 (43)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 23EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Colorado | 9 [   ] |
|  | not tested |  | [   ] |
| **5.21 (44)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 24EU** | |  |  |
|  | absent | Argelès, Colorado | 1 [   ] |
|  | present | Dandie, NunDm15, UCDm14 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.22 (45)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 25EU** | |  |  |
|  | absent | Colorado | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.23 (46)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 26EU** | |  |  |
|  | absent | Colorado | 1 [   ] |
|  | present | Balesta, Bedford | 9 [   ] |
|  | not tested |  | [   ] |
| **5.24 (47)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 27EU** | |  |  |
|  | absent | Balesta, Colorado | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.25 (53)** | **Resistance to *Lettuce mosaic virus* (LMV) Pathotype II** |  |  |
|  | absent | Bijou, Hilde II, Sprinter, Sucrine | 1 [   ] |
|  | present | Capitan, Corsica | 9 [   ] |
|  | not tested |  | [   ] |
| **5.26 (54)** | |  | | --- | | **Resistance to *Nasonovia ribisnigri* (Nr) Biotype Nr: 0** | |  |  |
|  | absent | Abel, Green Towers, Nadine | 1 [   ] |
|  | present | Barcelona, Bedford, Dynamite, Silvinas | 9 [   ] |
|  | not tested |  | [   ] |

[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 (3)** | Leaf: length (including petiole) | | | |  | |  |
|  | very short | | | | Mokum, Mignon | | 1[ ] |
|  | very short to short | | | |  | | 2[ ] |
|  | short | | | | Amsterdam 2, Amsterdam 3 | | 3[ ] |
|  | short to medium | | | |  | | 4[ ] |
|  | medium | | | | Juwarot, Nantaise améliorée 2 | | 5[ ] |
|  | medium to long | | | |  | | 6[ ] |
|  | long | | | | Chantenay,  Chantenay à cœur rouge 2 | | 7[ ] |
|  | long to very long | | | |  | | 8[ ] |
|  | very long | | | | De Colmar à cœur rouge 2, Rothild | | 9[ ] |
| **5.2 (5)** | Leaf: intensity of green color | | | |  | |  |
|  | very light | | | |  | | 1[ ] |
|  | very light to light | | | |  | | 2[ ] |
|  | light | | | | Adelaide, Leonor | | 3[ ] |
|  | light to medium | | | |  | | 4[ ] |
|  | medium | | | | Amsterdam 2, Amsterdam 3 | | 5[ ] |
|  | medium to dark | | | |  | | 6[ ] |
|  | dark | | | | Rothild | | 7[ ] |
|  | dark to very dark | | | |  | | 8[ ] |
|  | very dark | | | |  | | 9[ ] |
| **5.3 (6)** | Leaf: anthocyanin coloration of petiole | | | |  | |  |
|  | absent | | | | Amsterdam 2 | | 1[ ] |
|  | present | | | | Tarenco | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~3~~ 4 (7)** | Root: length | | | |  | |  |
|  | very short | | | | Parijse Markt 2, Parijse Markt 3 | | 1[ ] |
|  | very short to short | | | |  | | 2[ ] |
|  | short | | | | Chantenay | | 3[ ] |
|  | short to medium | | | |  | | 4[ ] |
|  | medium | | | | Nantaise améliorée 2, Nantaise améliorée 3 | | 5[ ] |
|  | medium to long | | | |  | | 6[ ] |
|  | long | | | | Berlikumer 2, Berlikumer 3 | | 7[ ] |
|  | long to very long | | | |  | | 8[ ] |
|  | very long | | | | Lange Stompe Winter | | 9[ ] |
| **5.~~4~~ 5 (8)** | Root: width | | | |  | |  |
|  | very narrow | | | |  | | 1[ ] |
|  | very narrow to narrow | | | |  | | 2[ ] |
|  | narrow | | | | Amsterdam 2, Amsterdam 3 | | 3[ ] |
|  | narrow to medium | | | |  | | 4[ ] |
|  | medium | | | | Nantaise améliorée 2,  Nantaise améliorée 3 | | 5[ ] |
|  | medium to broad | | | |  | | 6[ ] |
|  | broad | | | | De Colmar à cœur rouge 2, Parijse Markt 2, Parijse Markt 3 | | 7[ ] |
|  | broad to very broad | | | |  | | 8[ ] |
|  | very broad | | | |  | | 9[ ] |
| **5.~~5~~ 6 (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[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~6~~ 7 (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~~ 8 (13)** | **Root: tip (when fully developed)** | | | |  | |  |
|  | blunt | | | | Berlikumer 3 | | 1[ ] |
|  | slightly pointed | | | | Mello Yello | | 2[ ] |
|  | strongly pointed | | | | Allred, Orbit | | 3[ ] |
| **5.~~8~~ 9 (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~~ 10 (15)** | Excluding varieties with white external root color: Root: intensity of external color | | | |  | |  |
|  | very light | | | |  | | 1[ ] |
|  | very light to light | | | |  | | 2[ ] |
|  | light | | | | Bingo, Mello Yello, Tancar | | 3[ ] |
|  | light to medium | | | |  | | 4[ ] |
|  | medium | | | | Goliath, Nutri-red | | 5[ ] |
|  | medium to dark | | | |  | | 6[ ] |
|  | dark | | | | Karotan, Pinocchio, Purple Haze | | 7[ ] |
|  | dark to very dark | | | |  | | 8[ ] |
|  | very dark | | | |  | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.11 (16)** | **Root: anthocyanin coloration of skin of shoulder** | | | |  | |  |
|  | absent | | | | Trevor | | 1[ ] |
|  | present | | | | Touchon | | 9[ ] |
| **5.~~10~~ 12 (20)** | Root: color of core | | | |  | |  |
|  | white | | | | White Satin | | 1[ ] |
|  | yellow | | | | Jaune de Lobberich,  Pariser Markt | | 2[ ] |
|  | orange | | | | Nantaise améliorée 2,  Nantaise améliorée 3 | | 3[ ] |
|  | pinkish red | | | |  | | 4[ ] |
|  | red | | | | Nutri-red | | 5[ ] |
|  | purple | | | | Afghan purple, Black Deshi | | 6[ ] |
| **5.13 (28)** | Root: time of coloration of tip in longitudinal section | | | |  | |  |
|  | very early | | | | Parijse Markt 3 | | 1[ ] |
|  | very early to early | | | |  | | 2[ ] |
|  | early | | | | Amsterdam 2, Amsterdam 3 | | 3[ ] |
|  | early to medium | | | |  | | 4[ ] |
|  | medium | | | | Nantaise améliorée 2, Nantaise améliorée 3 | | 5[ ] |
|  | medium to late | | | |  | | 6[ ] |
|  | late | | | | De Colmar à cœur rouge 2, Touchon | | 7[ ] |
|  | late to very late | | | |  | | 8[ ] |
|  | very late | | | | Goliath | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.14 (29)** | Plant: tendency to bolting | | | |  | |  |
|  | very weak | | | |  | | 1[ ] |
|  | very weak to weak | | | |  | | 2[ ] |
|  | weak | | | | Molene, Tancar | | 3[ ] |
|  | weak to medium | | | |  | | 4[ ] |
|  | medium | | | | Nantaise améliorée 2, Nantaise améliorée 3 | | 5[ ] |
|  | medium to strong | | | |  | | 6[ ] |
|  | strong | | | | Muscade, Touchon | | 7[ ] |
|  | strong to very strong | | | |  | | 8[ ] |
|  | very strong | | | |  | | 9[ ] |
| 5.~~11~~ 15 (31) | Plants: proportion of male sterile plants | | | |  | |  |
|  | absent or very low | | | | Nantaise améliorée 2, Touchon | | 1[ ] |
|  | intermediate | | | |  | | 2[ ] |
|  | high | | | | Nanco, Tino | | 3[ ] |
| 5.~~12~~ 16 (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)** | **Seedling: length of cotyledon** | | | |  | |  |
|  | very short | | | |  | | 1[ ] |
|  | very short to short | | | |  | | 2[ ] |
|  | short | | | | Nores | | 3[ ] |
|  | short to medium | | | |  | | 4[ ] |
|  | medium | | | |  | | 5[ ] |
|  | medium to long | | | |  | | 6[ ] |
|  | long | | | | Breedblad Scherpzaad, Resistoflay | | 7[ ] |
|  | long to very long | | | |  | | 8[ ] |
|  | very long | | | |  | | 9[ ] |
| **5.2 (2)** | **Leaf: anthocyanin coloration of petioles and veins** | | | |  | |  |
|  | absent | | | | Resistoflay, Nores | | 1[ ] |
|  | present | | | | Red Cardinal, Reddy | | 2[ ] |
| **5.~~1~~ 3 (3)** | Leaf blade: intensity of green color | | | |  | |  |
|  | very light | | | |  | | 1[ ] |
|  | very light to light | | | |  | | 2[ ] |
|  | light | | | | Monet, Viroflay, Winterreuzen | | 3[ ] |
|  | light to medium | | | |  | | 4[ ] |
|  | medium | | | | Butterflay, Monnopa | | 5[ ] |
|  | medium to dark | | | |  | | 6[ ] |
|  | dark | | | | Imola, Lavewa, Nores | | 7[ ] |
|  | dark to very dark | | | |  | | 8[ ] |
|  | very dark | | | | Lorelay, Mystic | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~2~~ 4 (4)** | Leaf blade: blistering | | | |  | |  |
|  | absent or very weak | | | | Matador | | 1[ ] |
|  | very weak to weak | | | |  | | 2[ ] |
|  | weak | | | | Polka, Tarpy | | 3[ ] |
|  | weak to medium | | | |  | | 4[ ] |
|  | medium | | | | Butterflay, Koala, Mystic | | 5[ ] |
|  | medium to strong | | | |  | | 6[ ] |
|  | strong | | | | Giraffe, Rhythm | | 7[ ] |
|  | strong to very strong | | | |  | | 8[ ] |
|  | very strong | | | | Menorca, Revolver | | 9[ ] |
| **5.5 (9)** | **Leaf blade: shape (excluding basal lobes)** | | | |  | |  |
|  | triangular | | | | Grappa, Maracas | | 1[ ] |
|  | medium ovate | | | | Lavewa, Resistoflay | | 2[ ] |
|  | broad ovate | | | | Butterflay | | 3[ ] |
|  | medium elliptic | | | |  | | 4[ ] |
|  | broad elliptic | | | | Nores | | 5[ ] |
|  | circular | | | | Giraffe | | 6[ ] |
| **5.~~3~~ 6 (11)** | Leaf blade: shape of apex | | | |  | |  |
|  | acute | | | | Grappa, Rhythm | | 1[ ] |
|  | obtuse | | | | Resistoflay | | 2[ ] |
|  | rounded | | | | Imola, Nores | | 3[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~4~~ 7 (13)** | **Proportion of monoecious plants** | | | |  | |  |
|  | absent or very low | | | | Medania | | 1[ ] |
|  | very low to low | | | |  | | 2[ ] |
|  | low | | | | Matador | | 3[ ] |
|  | low to medium | | | |  | | 4[ ] |
|  | medium | | | | Figo | | 5[ ] |
|  | medium to high | | | |  | | 6[ ] |
|  | high | | | | Giraffe, Lazio | | 7[ ] |
|  | high to very high | | | |  | | 8[ ] |
|  | very high | | | | Monnopa | | 9[ ] |
| **5.~~5~~ 8 (14)** | **Proportion of female plants** | | | |  | |  |
|  | absent or very low | | | | Monnopa | | 1[ ] |
|  | very low to low | | | |  | | 2[ ] |
|  | low | | | | Giraffe | | 3[ ] |
|  | low to medium | | | |  | | 4[ ] |
|  | medium | | | | Figo, Medania | | 5[ ] |
|  | medium to high | | | |  | | 6[ ] |
|  | high | | | | Parrot | | 7[ ] |
|  | high to very high | | | |  | | 8[ ] |
|  | very high | | | |  | | 9[ ] |
| **5.~~6~~ 9 (15)** | **Proportion of male plants** | | | |  | |  |
|  | absent or very low | | | | Monnopa, Parrot | | 1[ ] |
|  | very low to low | | | |  | | 2[ ] |
|  | low | | | |  | | 3[ ] |
|  | low to medium | | | |  | | 4[ ] |
|  | medium | | | | Medania | | 5[ ] |
|  | medium to high | | | |  | | 6[ ] |
|  | high | | | |  | | 7[ ] |
|  | high to very high | | | |  | | 8[ ] |
|  | very high | | | |  | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~7~~ 10 (16)** | **Time of start of bolting (for spring sown crops, 15% of plants)** | | | |  | |  |
|  | very early | | | | Figo, Maracas | | 1[ ] |
|  | very early to early | | | |  | | 2[ ] |
|  | early | | | | Bandola, Viroflay | | 3[ ] |
|  | early to medium | | | |  | | 4[ ] |
|  | medium | | | | Matador, Monnopa | | 5[ ] |
|  | medium to late | | | |  | | 6[ ] |
|  | late | | | | Grappa, Medania, Revolver | | 7[ ] |
|  | late to very late | | | |  | | 8[ ] |
|  | very late | | | | Chica, Lavewa | | 9[ ] |
| **5.11 (18.1)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 1** | | | |  | |  |
|  | absent | | | | Viroflay, Winterreuzen | | 1 [   ] |
|  | present | | | | Califlay, Resistoflay | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.12 (18.2)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 2** | | | |  | |  |
|  | absent | | | | Califlay | | 1 [   ] |
|  | present | | | | Resistoflay | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.13 (18.3)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 3** | | | |  | |  |
|  | absent | | | | Resistoflay | | 1 [   ] |
|  | present | | | | Califlay, Clermont | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.14 (18.4)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 4** | | | |  | |  |
|  | absent | | | | Califlay | | 1 [   ] |
|  | present | | | | Clermont | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.15 (18.5)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 5** | | | |  | |  |
|  | absent | | | | Clermont | | 1 [   ] |
|  | present | | | | Califlay, Campania | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.16 (18.6)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 6** | | | |  | |  |
|  | absent | | | | Califlay, Campania | | 1 [   ] |
|  | present | | | | Boeing | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.17 (18.7)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 7** | | | |  | |  |
|  | absent | | | | Califlay | | 1 [   ] |
|  | present | | | | Campania | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.18 (18.8)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 8** | | | |  | |  |
|  | absent | | | | Boeing, Campania | | 1 [   ] |
|  | present | | | | Lazio, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.19 (18.9)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 10** | | | |  | |  |
|  | absent | | | | Boeing, Campania, Lion | | 1 [   ] |
|  | present | | | | Lazio | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.20 (18.10)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 11** | | | |  | |  |
|  | absent | | | | Lazio | | 1 [   ] |
|  | present | | | | Boeing, Califlay, Campania, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.21 (18.11)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 12** | | | |  | |  |
|  | absent | | | | Boeing, Campania | | 1 [   ] |
|  | present | | | | Finch, Pigeon, Red Kitten, Zebu | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.22 (18.12)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 13** | | | |  | |  |
|  | absent | | | | Campania | | 1 [   ] |
|  | present | | | | Boeing, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.23 (18.13)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 14** | | | |  | |  |
|  | absent | | | | Campania, Pigeon | | 1 [   ] |
|  | present | | | | Califlay, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.24 (18.14)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 15** | | | |  | |  |
|  | absent | | | | Caladonia | | 1 [   ] |
|  | present | | | | Pigeon | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.25 (18.15)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 16** | | | |  | |  |
|  | absent | | | | Meerkat | | 1 [   ] |
|  | present | | | | Caladonia | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.26 (18.16)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 17** | | | |  | |  |
|  | absent | | | | Pigeon | | 1 [   ] |
|  | present | | | | Hydrus | | 9 [   ] |
|  | not tested | | | |  | | [   ] |

[Annex V follows]

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 (1)** | Cotyledon: bitterness | | |  |  |
|  | absent | | | Rocket GS, Sandra | 1 [ ] |
|  | present | | | Farbio | 9 [ ] |
| **5.2 (2)** | Plant: growth type | | |  |  |
|  | determinate | | | Bush Crop, Shachal | 1 [ ] |
|  | indeterminate | | | Corona, Levina | 2 [ ] |
| **5.~~2~~ 3 (13)** | Plant: sex expression | | |  |  |
|  | monoecoius | | | Hokus | 1 [ ] |
|  | subgynoecious | | | Toska 70 | 2 [ ] |
|  | gynoecious | | | Farbio, Sandra, Wilma | 3 [ ] |
|  | hermaphrodytic | | | Sunsweet | 4 [ ] |
| **5.~~3~~ 4 (15)** | Ovary: color of vestiture | | |  |  |
|  | white | | | Jazzer | 1 [ ] |
|  | black | | | Vert petit de Paris | 2 [ ] |
| **5.~~4~~ 5 (16)** | Parthenocarpy | | |  |  |
|  | absent | | | Toska 70 | 1 [ ] |
|  | present | | | Farbio, Rocket GS, Sandra, Wilma | 9 [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.4 6 (17)** | Fruit: length | | |  |  |
|  | very short | | | De Russie, Sunsweet | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | |  | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Gemini, Jazzer | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Corona | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| **5.7 (18)** | Fruit: diameter | | |  |  |
|  | very small | | |  | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Picobello, Wilma | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Corona, Diamant | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Delikatess, Riesenschäl | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | |  | 9[ ] |
| **5.~~6~~ 8 (22)** | Fruit: shape of stem end | | |  |  |
|  | necked | | | Sandra, Tasty Green | 1 [ ] |
|  | acute | | | De Massy | 2 [ ] |
|  | obtuse | | | Maram, Score | 3 [ ] |
| **5.~~7~~ 9 (25)** | Fruit: ground color of skin at market stage | | |  |  |
|  | white | | | Bonneuil | 1 [ ] |
|  | yellow | | | Gele Tros | 2 [ ] |
|  | green | | | Corona | 3 [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~8~~ 10 (31)** | Fruit: type of vestiture | | |  |  |
|  | hairs only | | | Silor | 1 [ ] |
|  | hairs and prickles | | | De Bourbonne, De Massy | 2 [ ] |
|  | prickles only | | | Corona, Jazzer | 3 [ ] |
| **5.11 (35)** | Fruit: size of warts | | |  |  |
|  | very small | | | Parmel | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Jazzer | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Regal | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Chinese Slangen | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | | Tasty Green | 9[ ] |
| **5.~~9~~ 12 (44)** | Resistance to *Cladosporium cucumerinum* (Ccu) | | |  |  |
|  | absent | | | Cherubino, Frontera, Pepinex 69 | 1[ ] |
|  | present | | | Corona, Marketmore 76, Sheila | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.~~10~~ 13 (45)** | Resistance to *Cucumber mosaic virus* (CMV) | | |  |  |
|  | susceptible | | | Bosporus, Corona, Ventura | 1[ ] |
|  | moderately resistant | | | Capra, Gardon, Verdon | 2[ ] |
|  | highly resistant | | | Naf, Picolino | 3[ ] |
|  | not tested | | |  | [ ] |
| **5.~~11~~ 14 (46)** | Resistance to Powdery mildew (*Podosphaera xanthii*) (Px) | | |  |  |
|  | susceptible | | | Corona, Ventura | 1[ ] |
|  | moderately resistant | | | Flamingo | 2[ ] |
|  | highly resistant | | | Aramon, Bella, Cordoba | 3[ ] |
|  | not tested | | |  | [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~12~~ 15 (48)** | Resistance to Corynespora blight and target leaf pot  (*Corynespora cassiicola*) (Cca) | | |  |  |
|  | absent | | | Bodega, Pepinova | 1 [ ] |
|  | present | | | Corona, Cumlaude | 9 [ ] |
|  | not tested | | |  | [ ] |
| **5.~~13~~ 16 (49)** | Resistance to *Cucumber vein yellowing virus* (CVYV) | | |  |  |
|  | absent | | | Corinda, Corona, Ventura | 1 [ ] |
|  | present | | | Dina, Summerstar, Tornac | 9 [ ] |
|  | not tested | | |  | [ ] |

[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: |
| --- | --- | --- |
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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 (12)** | **Inflorescence: sex expression (at full flowering)** |  |  |
|  | monoecious | Alpha, Categoría | 1[ ] |
|  | andromonoecious | Piel de Sapo | 2[ ] |
| **5.2 (24)** | Fruit: length |  |  |
|  | very short | Doublon, Golden Crispy | 1[ ] |
|  | very short to short |  | 2[ ] |
|  | short | Topper, Védrantais | 3[ ] |
|  | short to medium |  | 4[ ] |
|  | medium | Marina, Spanglia | 5[ ] |
|  | medium to long |  | 6[ ] |
|  | long | Categoría, Toledo | 7[ ] |
|  | long to very long |  | 8[ ] |
|  | very long | Katsura Giant, Valdivia | 9[ ] |
| **5.3 (25)** | **Fruit: diameter** |  |  |
|  | very narrow | Banana, Golden Crispy | 1[ ] |
|  | very narrow to narrow |  | 2[ ] |
|  | narrow | Alpha, Maestro | 3[ ] |
|  | narrow to medium |  | 4[ ] |
|  | medium | Categoría, Galia | 5[ ] |
|  | medium to broad |  | 6[ ] |
|  | broad | Albino, Kinka | 7[ ] |
|  | broad to very broad |  | 8[ ] |
|  | very broad | Noir des Carmes | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| --- | --- | --- | --- |
| **5.~~2~~ 4 (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 Carmes | 6[ ] |
|  | obovate | Cganchi | 7[ ] |
|  | elongated | Alficoz, Banana | 8[ ] |
| **5.~~3~~ 5 (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.~~4~~ 6 (36)** | **Fruit: density of patches** |  |  |
|  | absent or very sparse | Rochet | 1[ ] |
|  | very sparse to sparse |  | 2[ ] |
|  | sparse |  | 3[ ] |
|  | sparse to medium |  | 4[ ] |
|  | medium | Braco | 5[ ] |
|  | medium to dense |  | 6[ ] |
|  | dense | Piel de Sapo | 7[ ] |
|  | dense to very dense |  | 8[ ] |
|  | very dense | Oranje Ananas | 9[ ] |
| **5.~~5~~ 7 (38)** | **Fruit: warts** |  |  |
|  | absent | Piel de Sapo | 1[ ] |
|  | present | Zatta | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| --- | --- | --- | --- |
| **5.~~6~~ 8 (43)** | **Fruit: grooves** |  |  |
|  | absent or very weakly expressed | Piel de Sapo, Arava | 1[ ] |
|  | weakly expressed | Total, Hobby | 2[ ] |
|  | strongly expressed | Védrantais, Galia | 3[ ] |
| **5.9 (47)** | **Fruit: creasing of surface** |  |  |
|  | absent or very weak | Védrantais | 1[ ] |
|  | very weak to weak |  | 2[ ] |
|  | weak | Melchor, Sirocco | 3[ ] |
|  | weak to medium |  | 4[ ] |
|  | medium | Costa, Piolín | 5[ ] |
|  | medium to strong |  | 6[ ] |
|  | strong | Tendral Negro | 7[ ] |
|  | strong to very strong |  | 8[ ] |
|  | very strong | Balbey, Kirkagac | 9[ ] |
| **5.~~7~~ 10 (48)** | **Fruit: cork formation** |  |  |
|  | absent | Alpha | 1[ ] |
|  | present | Dalton | 9[ ] |
| **5.~~8~~ 11 (50)** | **Fruit: pattern of cork formation** |  |  |
|  | dots only | Hermes, Védrantais | 1[ ] |
|  | dots and linear | Jivaro, Topper | 2[ ] |
|  | linear only | Futuro, Riosol | 3[ ] |
|  | linear and netted | Anatol, Chantal | 4[ ] |
|  | netted only | Galia, Perlita | 5[ ] |

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| **5.~~9~~ 12 (51)** | **Fruit: density of pattern of cork formation** |  |  |
|  | very sparse | Alpha, Amarillo Oro | 1[ ] |
|  | very sparse to sparse |  | 2[ ] |
|  | sparse | Védrantais | 3[ ] |
|  | sparse to medium |  | 4[ ] |
|  | medium | Regal, Vital | 5[ ] |
|  | medium to dense |  | 6[ ] |
|  | dense | Galia, Geamar | 7[ ] |
|  | dense to very dense |  | 8[ ] |
|  | very dense | Honey Rock, Perlita | 9[ ] |
| **5.~~10~~ 13 (54)** | Fruit: main color of flesh |  |  |
|  | 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~~ 14 (60)** | **Seed: length** |  |  |
|  | very short | Geumssaraki, Golden Crispi | 1[ ] |
|  | very short to short |  | 2[ ] |
|  | short | Elario, Katsura Giant | 3[ ] |
|  | short to medium |  | 4[ ] |
|  | medium | Arava, Sancho | 5[ ] |
|  | medium to long |  | 6[ ] |
|  | long | Amarillo Oro, Toledo | 7[ ] |
|  | long to very long |  | 8[ ] |
|  | very long | Albino | 9[ ] |
| **5.~~12~~ 15 (63)** | **Seed: color** |  |  |
|  | whitish | Amarillo Oro s.b. | 1[ ] |
|  | cream yellow | Galia, Piel de Sapo | 2[ ] |

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| --- | --- | --- | --- |
|  | Characteristics | Example Varieties | Note |
| **5.16 (65)** | **Time of male flowering** |  |  |
|  | very early |  | 1[ ] |
|  | very early to early |  | 2[ ] |
|  | early | Clipper, Vital | 3[ ] |
|  | early to medium |  | 4[ ] |
|  | medium | Categoría | 5[ ] |
|  | medium to late |  | 6[ ] |
|  | late | Nicolás, Rocín | 7[ ] |
|  | late to very late |  | 8[ ] |
|  | very late |  | 9[ ] |
| **5.17 (66)** | **Time of female flowering** |  |  |
|  | very early |  | 1[ ] |
|  | very early to early |  | 2[ ] |
|  | early | Clipper | 3[ ] |
|  | early to medium |  | 4[ ] |
|  | medium | Braco, Categoría, Vital | 5[ ] |
|  | medium to late |  | 6[ ] |
|  | late | Nicolás | 7[ ] |
|  | late to very late |  | 8[ ] |
|  | very late |  | 9[ ] |
| **5.18 (67)** | **Time of ripening** |  |  |
|  | very early | Goldstar, Sun | 1[ ] |
|  | very early to early |  | 2[ ] |
|  | early | Galia | 3[ ] |
|  | early to medium |  | 4[ ] |
|  | medium | Védrantais | 5[ ] |
|  | medium to late |  | 6[ ] |
|  | late | Pinonet Piel de Sapo, Rochet | 7[ ] |
|  | late to very late |  | 8[ ] |
|  | very late | Clipper, Supporter, Tendral | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.~~13~~ 19 (68)** | **Shelf life of fruit** |  |  |
|  | very short | Charentais | 1[ ] |
|  | very short to short |  | 2[ ] |
|  | short | Galia | 3[ ] |
|  | short to medium |  | 4[ ] |
|  | medium | Clipper | 5[ ] |
|  | medium to long |  | 6[ ] |
|  | long | Piel de Sapo | 7[ ] |
|  | long to very long |  | 8[ ] |
|  | very long | Tendral Negro | 9[ ] |
| **5.~~14~~ 20 (69.1)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis –* Race 0** |  |  |
|  | absent | Jaune Canari 2 | 1[ ] |
|  | present | Jador, Védrantais | 9[ ] |
| **5.~~15~~ 21 (69.2)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis -* Race 1** |  |  |
|  | absent | Jaune Canari 2, Védrantais | 1[ ] |
|  | present | Arapaho, Jador, Rubbens | 9[ ] |
| **5.~~16~~ 22 (69.3)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis -* Race 2** |  |  |
|  | absent | Arapaho,  Jaune Canari 2, Rubbens | 1[ ] |
|  | present | Anasta, Cléo, Jador, Védrantais, | 9[ ] |
| **5.23 (69.4)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis -* Race 1.2** |  |  |
|  | susceptible | Jaune Canari 2,  Védrantais, Virgos | 1[ ] |
|  | moderately resistant | Lunasol | 2[ ] |
|  | highly resistant | Dinero, Isabelle | 3[ ] |
|  | not tested |  | [ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.24 (70.1)** | **Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 1** |  |  |
|  | susceptible | Jaune Canari 2, Védrantais | 1[ ] |
|  | moderately resistant | Escrito | 2[ ] |
|  | highly resistant | Anasta,Cézanne, | 3[ ] |
|  | not tested |  | [ ] |
| **5.25 (70.2)** | **Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 2** |  |  |
|  | susceptible | Galoubet, Védrantais | 1[ ] |
|  | moderately resistant | Escrito, Pendragon | 2[ ] |
|  | highly resistant | Anasta, Cézanne | 3[ ] |
|  | not tested |  | [ ] |
| **5.26 (70.3)** | **Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3** |  |  |
|  | susceptible | Védrantais | 1[ ] |
|  | moderately resistant | Nettuno | 2[ ] |
|  | highly resistant | Batista, Godiva | 3[ ] |
|  | not tested |  | [ ] |
| **5.27 (70.4)** | **Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 5** |  |  |
|  | susceptible | Védrantais | 1[ ] |
|  | moderately resistant | Hugo, Pendragon | 2[ ] |
|  | highly resistant | Arapaho | 3[ ] |
|  | not tested |  | [ ] |
| **5.28 (70.5)** | **Resistance to *Podosphaera xanthii* (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3-5** |  |  |
|  | susceptible | Védrantais | 1[ ] |
|  | moderately resistant | Cisco | 2[ ] |
|  | highly resistant | 90625 | 3[ ] |
|  | not tested |  | [ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.29 (71)** | **Resistance to *Golovinomyces cichoracearum* (*Erysiphe cichoracearum*) Race 1 (Powdery mildew)** |  |  |
|  | susceptible | Escrito, Score, Védrantais | 1[ ] |
|  | moderately resistant | Flores, Anasta | 2[ ] |
|  | highly resistant | Cézanne, Heliobel, Théo | 3[ ] |
|  | not tested |  | [ ] |
| **5.30 (72)** | **Resistance to colonization by *Aphis gossypii*** |  |  |
|  | absent | Védrantais | 1[ ] |
|  | present | AR Hale’s Best Jumbo,  AR Top Mark, Godiva, Heliobel, Virgos | 9[ ] |
|  | not tested |  | [ ] |
| **5.31 (73)** | **Resistance to *Zucchini yellow mosaic virus* (ZYMV)** |  |  |
|  | absent | Cardillo, Généris, Jador, Védrantais | 1[ ] |
|  | present | Hannah’s Choice, Lunaduke | 9[ ] |
|  | not tested |  | [ ] |
| **5.32 (74.1)** | **Resistance to *Papaya ringspot virus* (PRSV) - Guadeloupe strain** |  |  |
|  | absent | Védrantais | 1[ ] |
|  | present | Hannah’s Choice | 9[ ] |
|  | not tested |  | [ ] |
| **5.33 (74.2)** | **Resistance to *Papaya ringspot virus* (PRSV) - E2 strain** |  |  |
|  | absent | Hannah’s Choice, Védrantais | 1[ ] |
|  | present | WMR29 | 9[ ] |
|  | not tested |  | [ ] |
| **5.34 (75)** | **Resistance to *Melon necrotic spot virus* (MNSV) Strain 0 (MNSV: 0)** |  |  |
|  | absent | Védrantais | 1[ ] |
|  | present | Cyro, Primal, Virgos, Yellow Fun | 9[ ] |
|  | not tested |  | [ ] |

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| --- | --- | --- | --- |
|  | Characteristics | Example Varieties | Note |
| **5.35 (76)** | **Resistance to *Cucumber mosaic virus* (CMV)** |  |  |
|  | absent | Cézanne, Dalton | 1[ ] |
|  | present | Lunaduke, Virgos | 9[ ] |
|  | not tested |  | [ ] |

[Annex VII follows]

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 (4)** | | **Plant: growth habit** | |  | |  |
|  | | bush | | Greyzini | | 1[ ] |
|  | | semi-trailing | | Cinderella, Everest, Twickers | | 2[ ] |
|  | | trailing | | Becky, Long Green Trailing | | 3[ ] |
| **5.3 (5)** | | Plant: branching | |  | |  |
|  | | absent | | Goldi | | 1[ ] |
|  | | present | | Patty Green Tint | | 9[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.4 (13)** | | Leaf blade: incisions | |  | |  |
|  | | absent or very shallow | | Scallopini | | 1[ ] |
|  | | very shallow to shallow | |  | | 2[ ] |
|  | | shallow | | Everest | | 3[ ] |
|  | | shallow to medium | |  | | 4[ ] |
|  | | medium | | Jackpot | | 5[ ] |
|  | | medium to deep | |  | | 6[ ] |
|  | | deep | | Civac | | 7[ ] |
|  | | deep to very deep | |  | | 8[ ] |
|  | | very deep | | Isotta | | 9[ ] |
| **5.~~4~~ 5 (15)** | | **Leaf blade: silvery patches** | |  | |  |
|  | | absent | | Black Forest, Scallopini | | 1[ ] |
|  | | present | | Civac | | 9[ ] |
| **5.6 (16)** | | Leaf blade: relative area covered by silvery patches | |  | |  |
|  | | very small | | Albo | | 1[ ] |
|  | | very small to small | |  | | 2[ ] |
|  | | small | | Aziz | | 3[ ] |
|  | | small to medium | |  | | 4[ ] |
|  | | medium | | Ambassador | | 5[ ] |
|  | | medium to large | |  | | 6[ ] |
|  | | large | | Cora | | 7[ ] |
|  | | large to very large | |  | | 8[ ] |
|  | | very large | | Summerstar | | 9[ ] |
| **5.7 (26)** | | Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape | |  | |  |
|  | | globular | | De Nice à Fruit Rond | | 1[ ] |
|  | | pear shaped | | Clarita | | 2[ ] |
|  | | tapered elliptical | | Top Kapi | | 3[ ] |
|  | | elliptical | | Table Dainty | | 4[ ] |
|  | | cylindrical | | Ambassador, Ibis | | 5[ ] |
|  | | tapered cylindrical | |  | | 6[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.8 (27)** | | Young fruit: main color of skin (excluding color of ribs or grooves) | |  | |  |
|  | | white | | White Bush Scallop | | 1[ ] |
|  | | cream | | Tivoli | | 2[ ] |
|  | | yellow | | Goldi | | 3[ ] |
|  | | green | | Elite, Opal, Romano | | 4[ ] |
|  | | partly white and partly yellow | |  | | 5[ ] |
|  | | partly white and partly green | |  | | 6[ ] |
|  | | partly yellow and partly green | | Sunburst, Zephyr | | 7[ ] |
| **5.9 (30)** | | Fruit: general shape | |  | |  |
|  | | disc shaped | |  | | 1[ ] |
|  | | transverse elliptical | |  | | 2[ ] |
|  | | transverse broad elliptical | |  | | 3[ ] |
|  | | globular | |  | | 4[ ] |
|  | | top shaped | |  | | 5[ ] |
|  | | broad elliptical | |  | | 6[ ] |
|  | | ovate | |  | | 7[ ] |
|  | | elliptical | |  | | 8[ ] |
|  | | cylindrical | |  | | 9[ ] |
|  | | pear shaped | |  | | 10[ ] |
|  | | bottle shaped | |  | | 11[ ] |
|  | | club shaped | |  | | 12[ ] |
| **5.10 (31.1)** | | Only Scallop type varieties: Fruit: length | |  | |  |
|  | | very short | |  | | 1[ ] |
|  | | very short to short | |  | | 2[ ] |
|  | | short | | Bennings Green Tint | | 3[ ] |
|  | | short to medium | |  | | 4[ ] |
|  | | medium | | Sunburst | | 5[ ] |
|  | | medium to long | |  | | 6[ ] |
|  | | long | | Yellow Bush Scallop | | 7[ ] |
|  | | long to very long | |  | | 8[ ] |
|  | | very long | |  | | 9[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.11 (31.2)** | | Only Acorn type varieties: Fruit: length | |  | |  |
|  | | very short | |  | | 1[ ] |
|  | | very short to short | |  | | 2[ ] |
|  | | short | | Table Gold | | 3[ ] |
|  | | short to medium | |  | | 4[ ] |
|  | | medium | | Swan White Acorn | | 5[ ] |
|  | | medium to long | |  | | 6[ ] |
|  | | long | | Ebony Table Queen | | 7[ ] |
|  | | long to very long | |  | | 8[ ] |
|  | | very long | |  | | 9[ ] |
| **5.12 (31.3)** | | Only Neck type varieties: Fruit: length | |  | |  |
|  | | very short | |  | | 1[ ] |
|  | | very short to short | |  | | 2[ ] |
|  | | short | | Wryneck | | 3[ ] |
|  | | short to medium | |  | | 4[ ] |
|  | | medium | | Yellow Summer Crookneck | | 5[ ] |
|  | | medium to long | |  | | 6[ ] |
|  | | long | | Sunbar | | 7[ ] |
|  | | long to very long | |  | | 8[ ] |
|  | | very long | |  | | 9[ ] |
| **5.13 (31.4)** | | Only Zucchini type varieties: Fruit: length | |  | |  |
|  | | very short | | Jericho | | 1[ ] |
|  | | very short to short | |  | | 2[ ] |
|  | | short | | Jedida | | 3[ ] |
|  | | short to medium | |  | | 4[ ] |
|  | | medium | | Cora | | 5[ ] |
|  | | medium to long | |  | | 6[ ] |
|  | | long | | Carlotta | | 7[ ] |
|  | | long to very long | |  | | 8[ ] |
|  | | very long | | Altea | | 9[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.14 (32.1)** | | Only Scallop type varieties: Fruit: maximum diameter | |  | |  |
|  | | very small | |  | | 1[ ] |
|  | | very small to small | |  | | 2[ ] |
|  | | small | | Scallopini | | 3[ ] |
|  | | small to medium | |  | | 4[ ] |
|  | | medium | | Yellow Bush Scallop | | 5[ ] |
|  | | medium to large | |  | | 6[ ] |
|  | | large | | White Bush Scallop | | 7[ ] |
|  | | large to very large | |  | | 8[ ] |
|  | | very large | |  | | 9[ ] |
| **5.15 (32.2)** | | Only Acorn type varieties: Fruit: maximum diameter | |  | |  |
|  | | very small | |  | | 1[ ] |
|  | | very small to small | |  | | 2[ ] |
|  | | small | | Table Gold | | 3[ ] |
|  | | small to medium | |  | | 4[ ] |
|  | | medium | | Table King | | 5[ ] |
|  | | medium to large | |  | | 6[ ] |
|  | | large | | Swan White Acorn | | 7[ ] |
|  | | large to very large | |  | | 8[ ] |
|  | | very large | |  | | 9[ ] |
| **5.16 (32.3)** | | Only Zucchini type varieties: Fruit: maximum diameter | |  | |  |
|  | | 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[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.17 (34.1)** | | Only Pumpkin type varieties: Fruit: size | |  | |  |
|  | | 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[ ] |
| **5.18 (34.2)** | | Only Rondini type varieties: Fruit: size | |  | |  |
|  | | 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[ ] |
| **5.19 (46)** | | Fruit: grooves | |  | |  |
|  | | absent | |  | | 1[ ] |
|  | | present | |  | | 9[ ] |
| **5.~~5~~ 20 (50)** | | **Fruit: main color of skin (excluding color of dots, patches, stripes and bands)** | |  | |  |
|  | | 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[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.21 (51)** | | **Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50)** | |  | |  |
|  | | very light | |  | | 1[ ] |
|  | | very light to light | |  | | 2[ ] |
|  | | light | |  | | 3[ ] |
|  | | light to medium | |  | | 4[ ] |
|  | | medium | |  | | 5[ ] |
|  | | medium to dark | |  | | 6[ ] |
|  | | dark | |  | | 7[ ] |
|  | | dark to very dark | |  | | 8[ ] |
|  | | very dark | |  | | 9[ ] |
| **5.22 (52)** | | **Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50)** | |  | |  |
|  | | very light | |  | | 1[ ] |
|  | | very light to light | |  | | 2[ ] |
|  | | light | |  | | 3[ ] |
|  | | light to medium | |  | | 4[ ] |
|  | | medium | |  | | 5[ ] |
|  | | medium to dark | |  | | 6[ ] |
|  | | dark | | Cora | | 7[ ] |
|  | | dark to very dark | |  | | 8[ ] |
|  | | very dark | | Baby Bear, Sardane | | 9[ ] |
| **5.23 (54)** | | Fruit: stripes in grooves | |  | |  |
|  | | absent | | Baby Bear, Jack Be Little | | 1[ ] |
|  | | present | | Delicata, Heart of Gold,  Pâtisson jaune panaché de vert | | 9[ ] |
| **5.24 (57)** | | Fruit: dots | |  | |  |
|  | | absent | | Sunburst | | 1[ ] |
|  | | present | | Gold Rush, Table Queen | | 9[ ] |
| **5.25 (59)** | | Fruit: secondary green color between ribs (excluding dots) | |  | |  |
|  | | absent | | Grey Zucchini, Small Sugar | | 1[ ] |
|  | | present | | Beatrice, Greyzini, Heart of Gold, Steierischer Ölkürbis, Tonda Padana, Zubi | | 9[ ] |
|  | | Characteristics | | Example Varieties | | Note |
| **5.25 (69)** | | Ripe fruit: main color of skin (excluding color of mottles, patches, stripes and bands) | |  | |  |
|  | | white | | Pâtisson blanc panaché de vert | | 1[ ] |
|  | | whitish | | White Bush Scallop | | 2[ ] |
|  | | cream | | Bianchini, Opal | | 3[ ] |
|  | | yellow | | Gold Rush | | 4[ ] |
|  | | orange | | Autumn Gold | | 5[ ] |
| **5.26 (71)** | | Ripe fruit: secondary color of skin (as for 69) | |  | |  |
|  | | whitish | |  | | 1[ ] |
|  | | cream | |  | | 2[ ] |
|  | | yellow | |  | | 3[ ] |
|  | | orange | |  | | 4[ ] |
|  | | green | |  | | 5[ ] |
| **5.27 (74)** | | Ripe fruit: color of flesh | |  | |  |
|  | | cream | | Elite | | 1[ ] |
|  | | yellow | | Sunburst, Vegetable Spaghetti | | 2[ ] |
|  | | orange | | Autumn Gold | | 3[ ] |

[Annex VIII follows]

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 (1)** | Ploidy | | |  |  |
|  | diploid | | | SP 4, Sugar Baby, Yamato 3 | 2[ ] |
|  | triploid | | | Boston, TRIX 313 | 3[ ] |
|  | tetraploid | | |  | 4[ ] |
| **5.2 (8)** | **Leaf blade: degree of lobing** | | |  |  |
|  | absent or very weak | | | Sunshade | 1[ ] |
|  | very weak to weak | | |  | 2[ ] |
|  | weak | | | Estrella, Karistan | 3[ ] |
|  | weak to medium | | |  | 4[ ] |
|  | medium | | | Crimson Sweet, Crisby | 5[ ] |
|  | medium to strong | | |  | 6[ ] |
|  | strong | | | Cadanz | 7[ ] |
|  | strong to very strong | | |  | 8[ ] |
|  | very strong | | | SP 1 | 9[ ] |
| **5.~~2~~ 3 (11)** | Fruit: weight | | |  |  |
|  | 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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~3~~ 4 (12)** | Fruit: shape in longitudinal section | | |  |  |
|  | 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 (16)** | Fruit: ground color of skin | | |  |  |
|  | 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 (18)** | **Fruit: pattern of stripes** | | |  |  |
|  | only one colored | | | Congo | 1[ ] |
|  | one colored and veins | | | Trix Palomar | 2[ ] |
|  | one colored, veins and marbled | | | Boston | 3[ ] |
|  | one colored and marbled | | | Jenny | 4[ ] |
|  | two colored, veins and marbled | | | Crisby | 5[ ] |
|  | only veins | | |  | 6[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~5~~ 7 (19)** | **Fruit: width of stripes** | | |  |  |
|  | very narrow | | | SP 4, Tiny Orchid | 1[ ] |
|  | very narrow to narrow | | |  | 2[ ] |
|  | narrow | | | Boston | 3[ ] |
|  | narrow to medium | | |  | 4[ ] |
|  | medium | | | Crimson Sweet | 5[ ] |
|  | medium to broad | | |  | 6[ ] |
|  | broad | | | Sangria | 7[ ] |
|  | broad to very broad | | |  | 8[ ] |
|  | very broad | | | All Sweet | 9[ ] |
| **5.8 (21)** | **Fruit: conspicuousness of stripes** | | |  |  |
|  | inconspicuous or very weakly conspicuous | | | Augusta | 1[ ] |
|  | weak | | | Odem | 2[ ] |
|  | medium | | | Trix Palomar | 3[ ] |
|  | strong | | | Jenny | 4[ ] |
|  | very strong | | | A graine rouge à confire à chair verte | 5[ ] |
| **5.~~6~~ 9 (22)** | **Fruit: margin of stripes** | | |  |  |
|  | diffuse | | | Crimson Glory, Crisby | 1[ ] |
|  | medium | | | Crimson Sweet | 2[ ] |
|  | sharp | | | Jenny, Jubilee | 3[ ] |
| **5.10 (27)** | **Fruit: thickness of pericarp** | | |  |  |
|  | very thin | | | Bibo, Tiny Orchid, Luciano | 1[ ] |
|  | very thin to thin | | |  | 2[ ] |
|  | thin | | | À graine rouge à confire à chair verte, Beni-kodama, Jenny, Kahô, Kassai | 3[ ] |
|  | thin to medium | | |  | 4[ ] |
|  | medium | | | Panonnia, Sugar Baby, Sugar Belle, Yamato 3 | 5[ ] |
|  | medium to thick | | |  | 6[ ] |
|  | thick | | | Charleston Gray, Crimson Sweet, Kurobe, Triple Sweet, Sunrise | 7[ ] |
|  | thick to very thick | | |  | 8[ ] |
|  | very thick | | | Coles Early, Kholodok | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~7~~ 11 (28)** | **Fruit: main color of flesh** | | |  |  |
|  | white | | | SP 4, SP 1,Yamato Cream 3 | 1[ ] |
|  | yellow | | | Napsugár, Yamato Cream 1 | 2[ ] |
|  | orange | | | Kahô, Tendersweet | 3[ ] |
|  | pink | | | Sadul | 4[ ] |
|  | pinkish red | | | Bingo, Crimson Sweet | 5[ ] |
|  | red | | | Asahi Miyako Hybrid, Sugar Baby, Topgun | 6[ ] |
|  | dark red | | | Dixie Lee | 7[ ] |
| **5.~~8~~ 12 (31)** | **Only diploid and tetraploid varieties: Seed: length** | | |  |  |
|  | 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[ ] |
| **5.~~9~~ 13 (33)** | **Only diploid and tetraploid varieties: Seed: ground color of testa** | | |  |  |
|  | 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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.14 (36)** | **Time of female flowering** | | |  |  |
|  | very early | | |  | 1[ ] |
|  | very early to early | | |  | 2[ ] |
|  | early | | | Tiny Orchid | 3[ ] |
|  | early to medium | | |  | 4[ ] |
|  | medium | | | Sugar Baby, Yamato 3 | 5[ ] |
|  | medium to late | | |  | 6[ ] |
|  | late | | | Kurobe | 7[ ] |
|  | late to very late | | |  | 8[ ] |
|  | very late | | |  | 9[ ] |

[Annex IX follows]

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

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

| TECHNICAL QUESTIONNAIRE | | Page {x} of {y} | Reference Number: | | |
| --- | --- | --- | --- | --- | --- |
|  | |  |  | | |
| 5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | | | |
|  | Characteristics | | | Example Varieties | Note |
| 5.1 (2) | Plant: height | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Big Power | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Maxifort | 5[ ] |
|  | medium to tall | | |  | 6[ ] |
|  | tall | | | Beaufort | 7[ ] |
|  | tall to very tall | | |  | 8[ ] |
|  | very tall | | |  | 9[ ] |
| 5.~~1~~ 2 (11) | Fruit: green shoulder | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Big Force, Maxifort | 9[ ] |
| 5.3 (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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.~~2~~ 4 (17) | Fruit: shape in longitudinal section | | |  |  |
|  | broad oblate | | | He-Wolf | 1[ ] |
|  | narrow oblate | | | Gladiator | 2[ ] |
|  | circular | | | Maxifort | 3[ ] |
|  | obovate | | |  | 4[ ] |
| 5.~~3~~ 5 (18) | **Fruit: number of locules** | | |  |  |
|  | only two | | | Maxifort | 1[ ] |
|  | two and three | | |  | 2[ ] |
| 5.~~4~~ 6 (19) | Fruit: color at maturity | | |  |  |
|  | green | | | Big Force | 1[ ] |
|  | yellowish | | | Vigomax | 2[ ] |
|  | orangish | | | Titron | 3[ ] |
|  | reddish | | | Brigeor | 4[ ] |
| 5.7 (21) | Autonecrosis | | |  |  |
|  | absent | | | Maxifort | 1[ ] |
|  | present | | | Body | 9[ ] |
| **5.~~5~~ 8 (22)** | **Resistance to *Meloidogyne incognita* (Mi)** | | |  |  |
|  | susceptible | | | Bruce | 1[ ] |
|  | moderately resistant | | |  | 2[ ] |
|  | highly resistant | | | Emperador | 3[ ] |
| **5.~~6~~ 9 (23)** | **Resistance to *Verticillium* sp*.* (Va and Vd) *-* Race 0** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Big Power | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.7 (24)** | **Resistance to *Fusarium oxysporum* f. sp*. lycopersici* (Fol)** | | |  |  |
| **5.8 (24.1)** | **Race 0EU/1US** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.9 (24.2)** | **Race 1EU/2US** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.10 (24.3)** | **Race 2EU/3US** | | |  |  |
|  | absent | | | Emperador | 1[ ] |
|  | present | | | Colosus | 9[ ] |
| **5.11 (25)** | **Resistance to** ***Fusarium oxysporum* f. sp*. radicis-lycopersici* (Forl)** | | |  |  |
|  | absent | | | Kemerit | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.12 (28)** | **Resistance to *Pyrenochaeta lycopersici* (Pl)** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
|  | not tested | | |  | [ ] |

[Annex X follows]

Test Guidelines for Rose (document TG/11/8 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 (1) | Plant: growth type | | |  |  |
|  | miniature | | |  | 1[ ] |
|  | dwarf | | | Korverlandus (G) | 2[ ] |
|  | bed | | | Taneidol (G) | 3[ ] |
|  | shrub | | | Kolmag (G) | 4[ ] |
|  | climber | | | Noasafa (G) | 5[ ] |
|  | ground cover | | | Meifafio (G) | 6[ ] |
| **5.2 (2)** | Excluding varieties with growth type climber: Plant: growth habit | | |  |  |
|  | upright | | | Poulhi008 (P) | 1[ ] |
|  | upright to semi upright | | |  | 2[ ] |
|  | semi upright | | | Tantasch (G); Korkallet (P) | 3[ ] |
|  | semi upright to intermediate | | |  | 4[ ] |
|  | intermediate | | | Poulkrid (G); Evera107 (P) | 5[ ] |
|  | intermediate to moderately spreading | | |  | 6[ ] |
|  | moderately spreading | | | Meibonrib (G) | 7[ ] |
|  | moderately spreading to strongly spreading | | |  | 8[ ] |
|  | strongly spreading | | | Korkilgwen (G) | 9[ ] |
| **5.3 (3)** | Plant: height (during second flush) | | |  |  |
|  | very short | | | Lenwiga (G) | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Noason (G) | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Macrexy (G); Ruiy5451 (C) | 5[ ] |
|  | medium to tall | | |  | 6[ ] |
|  | tall | | | Seliron (C); Tanakinom (G) | 7[ ] |
|  | tall to very tall | | |  | 8[ ] |
|  | very tall | | | Macyefre (G) | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.4 (6)** | Stem: number of prickles (excluding very small and hair-like prickles) | | |  |  |
|  | absent or very few | | | Ruiorg (G); Meibegil (P) | 1[ ] |
|  | very few to few | | |  | 2[ ] |
|  | few | | | Schremna (C); Kortionza (G); Poulcolop (P) | 3[ ] |
|  | few to medium | | |  | 4[ ] |
|  | medium | | | Selaurum (C); Bokramar (G); Kormisso (P) | 5[ ] |
|  | medium to many | | |  | 6[ ] |
|  | many | | | Meineble (G); Evera105 (P) | 7[ ] |
|  | many to very many | | |  | 8[ ] |
|  | very many | | | Deljam (G) | 9[ ] |
| **5.5 (7)** | Prickles: pre­dominant color (as for 6) | | |  |  |
|  | greenish | | | Presur (C); Kolmag (G); Poulcar (P) | 1[ ] |
|  | yellowish | | | Ruiy0775 (P) | 2[ ] |
|  | reddish | | | Bokrarug (G); Delpajor (P) | 3[ ] |
|  | purplish | | | Kornairol (G); Evera102 (P) | 4[ ] |
| **5.6 (8)** | Leaf: size | | |  |  |
|  | very small | | |  | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Predesplen (C); Kordenzen (G); Ruibrei (P) | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Pekcoujenny (C); Tantasch (G); Korrecalam (P) | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Poultime (G); Poulhi018 (P) | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | |  | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.7 (13)** | Terminal leaflet: shape of blade | | |  |  |
|  | narrow elliptic | | | Korverlandus (G); Ruiz29924 (P) | 1[ ] |
|  | medium elliptic | | | Korflapei (C); Meihuterb (G); Ruiz14914 (P) | 2[ ] |
|  | ovate | | | Interlis (C); Noahan (G); Evera102 (P) | 3[ ] |
|  | circular | | | Poulna (G) | 4[ ] |
| **5.8 (16)** | Flowering shoot: flowering laterals | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | |  | 9[ ] |
| **5.9 (17)** | Flowering shoot: number of flowering laterals | | |  |  |
|  | very few | | |  | 1[ ] |
|  | very few to few | | |  | 2[ ] |
|  | few | | | Tanidrak (G); Poulra022 (P) | 3[ ] |
|  | few to medium | | |  | 4[ ] |
|  | medium | | | Dicentice (G); Poulhi019 (P) | 5[ ] |
|  | medium to many | | |  | 6[ ] |
|  | many | | | Korgazell (G); Ruiy0775 (P) | 7[ ] |
|  | many to very many | | |  | 8[ ] |
|  | very many | | | Korglolev (P) | 9[ ] |
| **5.10 (18)** | Only varieties with no flowering laterals: Flowering shoot: number of flowers | | |  |  |
|  | very few | | |  | 1[ ] |
|  | very few to few | | |  | 2[ ] |
|  | few | | |  | 3[ ] |
|  | few to medium | | |  | 4[ ] |
|  | medium | | |  | 5[ ] |
|  | medium to many | | |  | 6[ ] |
|  | many | | |  | 7[ ] |
|  | many to very many | | |  | 8[ ] |
|  | very many | | |  | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.11 (19)** | Only varieties with flowering laterals: Flowering shoot: number of flowers per lateral | | |  |  |
|  | very few | | | Somnip (G); Ruiklinko (P) | 1[ ] |
|  | very few to few | | |  | 2[ ] |
|  | few | | | Noaley (G); Korselug (P) | 3[ ] |
|  | few to medium | | |  | 4[ ] |
|  | medium | | | Poulanlis (G); Poulbao (P) | 5[ ] |
|  | medium to many | | |  | 6[ ] |
|  | many | | | TAN97274 (G); Ruitween (P) | 7[ ] |
|  | many to very many | | |  | 8[ ] |
|  | very many | | | Noamet (G); Poulra017 (P) | 9[ ] |
| 5.~~2~~ 12 (21) | Flower: type | | |  |  |
|  | single | | | Noastrauss (G) | 1[ ] |
|  | semi-double | | | Poulfiry (G); Poulnil (P) | 2[ ] |
|  | double | | | TAN97103 (G); Korlobea (P) | 3[ ] |
| 5.13 (22) | Flower: number of petals | | |  |  |
|  | very few | | | Noala (G); Delmitaf (P) | 1[ ] |
|  | very few to few | | |  | 2[ ] |
|  | few | | | Predesplen (C); Tananilov (G); Korbersoma (P) | 3[ ] |
|  | few to medium | | |  | 4[ ] |
|  | medium | | | Ruiy5451 (C); Poulscots (G); Ruiklinko (P) | 5[ ] |
|  | medium to many | | |  | 6[ ] |
|  | many | | | Lexani (C); Ruiharl (G); Meiraktas (P) | 7[ ] |
|  | many to very many | | |  | 8[ ] |
|  | very many | | | Meiroupis (G); Poulwen (P) | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~3~~ 14 (23)** | **Flower: color group** | | |  |  |
|  | white or near white | | | Korcilmo (C); Meilontig (G); Poulra022 (P) | 1[ ] |
|  | white blend | | | Speclown (C); TAN98505 (C); TAN97123 (G); Rush (G) | 2[ ] |
|  | green | | | Nirpgreenl (C); Korewala (P) | 3[ ] |
|  | yellow | | | Korflapei (C); Poulyc004 (G); Delmitaf (P) | 4[ ] |
|  | yellow blend  (includes varieties which are primarily yellow, but show some tones of some other hues) | | | TAN00125 (C); Rumba (G); Ruiabri (P) | 5[ ] |
|  | orange | | | Alsever (P); Tanoranbon (G) | 6[ ] |
|  | orange blend (includes varieties which are primarily orange, but show some tones of some other hues) | | | Presur (C); Meishulo (P) | 7[ ] |
|  | pink | | | Schremeen3001 (C); Noasia (G); Korfonsova (P) | 8[ ] |
|  | pink blend (includes varieties which are primarily pink, but show some tones of some other hues) | | | Schremna (C); Korfeining (G); Poulmeno (P) | 9[ ] |
|  | red | | | Predepass (C); Noafeuer (G); Ruikenre (P) | 10[ ] |
|  | red blend (includes varieties which are primarily red, but show some tones of some other hues) | | | Meilambra (C); Interuspa (G); Delmigre (P) | 11[ ] |
|  | red purple | | | Nirpillpro (C); Poulac016 (P) | 12[ ] |
|  | purple | | | Olyung (C); Stebigpu (G) | 13[ ] |
|  | violet blend (includes varieties which are primarily violet but show some tones of some other hues (like mauve and/or lavender ) | | | Scholtec (C); Korflieder (P) | 14[ ] |
|  | brown blend (includes varieties which are primarily brown but show some tones of some other hues (like red) | | | Simcho (G) | 15[ ] |
|  | multicolored  (varieties with more than one color in sharply defined contrasting zones which are primarily contrasting multicolored only (not blend colors)) | | | Delmitaf (P) | 16[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.15 (24) | **Only varieties with flower type: double: Flower: color of center** | | |  |  |
|  | green | | |  | 1[ ] |
|  | yellow | | |  | 2[ ] |
|  | orange | | |  | 3[ ] |
|  | pink | | |  | 4[ ] |
|  | red | | |  | 5[ ] |
|  | purple | | |  | 6[ ] |
| 5.~~4~~ 16 (26) | Flower: diameter | | |  |  |
|  | very small | | | Noastrauss (G); Poulset (P) | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Interlis (C); Clb.canibo 82 (G); Meiraktas (P) | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Schremna (C); Poulberg (G); Ruiz1491 (P) | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Selaurum (C); Adesmanod (G); Korewala (P) | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | | Koranderer (G); Evera116 (P) | 9[ ] |
| 5.17 (27) | Flower: shape | | |  |  |
|  | round | | | Ruirovingt (C); Meiouscki (G); Evera101 (P) | 1[ ] |
|  | irregularly rounded | | | Ruyi5451 (C); Kormarec (G); Korkallet (P) | 2[ ] |
|  | star-shaped | | | Predesplen (C); Anakissi (G);  Poulra023 (P) | 3[ ] |
| 5.18 (30) | Flower: fragrance | | |  |  |
|  | absent or weak | | | Predesplen (C); Ruimats (G); Evera107 (P) | 1[ ] |
|  | medium | | | Poulsolo (G); Korduftoro (P) | 2[ ] |
|  | strong | | | Tananilov (G) | 3[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.19 (33) | Petal: shape | | |  |  |
|  | elliptic | | |  | 1[ ] |
|  | transverse elliptic | | | Selaurum (C) | 2[ ] |
|  | obovate | | | Korcilmo (C) | 3[ ] |
|  | obcordate | | |  | 4[ ] |
|  | rounded | | | Schremna (C); Meihecluz (G); Poulac002 (P) | 5[ ] |
| 5.20 (38) | Petal: length | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Interlis (C) | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Predesplen (C) | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Selaurum  (C) | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| 5.~~5~~ 21 (40) | Petal: number of colors on inner side (basal spot excluded) | | |  |  |
|  | one | | | Selaurum (C), TAN98130 (G); Ruibrei (P) | 1[ ] |
|  | two | | | Baipeace (G); Delki (P) | 2[ ] |
|  | more than two | | | Delstrisang (G) | 3[ ] |
| 5.22 (42) | Petal: main color on the inner side (main color is that with largest surface area) | | |  |  |
|  | RHS Colour Chart (indicate reference number) | | |  |  |
| 5.23 (43) | Only varieties with two or more colors on inner side of petal: Petal: secondary color (basal spot excluded) | | |  |  |
|  | RHS Colour Chart (indicate reference number) | | |  |  |
|  | Characteristics | | | Example Varieties | Note |
| 5.24 (45) | Only varieties with two or more colors on inner side of petal: Petal: distribution of secondary color on inner side (basal spot excluded) | | |  |  |
|  | at base | | |  | 1[ ] |
|  | at apex | | |  | 2[ ] |
|  | at marginal zone | | | Panhurem (G); Korbuntea (P) | 3[ ] |
|  | as a flush | | | Wekquaneze (G) | 4[ ] |
|  | as segments or stripes | | | Delstrisang (G): Delmigre (P) | 5[ ] |
|  | as speckles | | |  | 6[ ] |
| 5.~~6~~ 25 i (50) | Petal: main color on the outer side (only if clearly different from inner side) | | |  |  |
|  | RHS Colour Chart (indicate reference number)  ....................................................................................... | | |  |  |
| 5.~~6~~ 25 ii (50) | Petal: main color on the outer side (only if clearly different from inner side) | | |  |  |
|  | green | | |  | 1[ ] |
|  | light yellow | | |  | 2[ ] |
|  | medium yellow | | |  | 3[ ] |
|  | orange | | |  | 4[ ] |
|  | pink | | |  | 5[ ] |
|  | red | | |  | 6[ ] |
|  | purple red | | |  | 7[ ] |
|  | brown red | | |  | 8[ ] |
| 5.26 (53) | Hip: shape in longitudinal section | | |  |  |
|  | funnel-shaped | | | Meidrason (G) | 1[ ] |
|  | pitcher-shaped | | | Korparesni (G) | 2[ ] |
|  | pear-shaped | | | Tanzahde (G) | 3[ ] |
| 5.27 (54) | Hip: color (at mature stage) | | |  |  |
|  | yellow | | |  | 1[ ] |
|  | orange | | |  | 2[ ] |
|  | red | | |  | 3[ ] |
|  | brown | | |  | 4[ ] |
|  | black | | |  | 5[ ] |

[Annex XI follows]

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
|  |
| |  |  |  |  | | --- | --- | --- | --- | | 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)** | |  | | --- | | **Seed: color** | |  |  |
|  | white | (w) SY Ideo, (s) Blini | |  | | --- | | 1 [   ] | |
|  | reddish | (w) Solehio, (s) Granary | |  | | --- | | 2 [   ] | |
|  | purple | (w) Indigo | |  | | --- | | 3 [   ] | |
|  | bluish | (w) Skorpion | |  | | --- | | 4 [   ] | |
|  |  |  |  |
| **5.2 (3)** | |  | | --- | | **Coleoptile: anthocyanin coloration** | |  |  |
|  | absent or very weak | (w) Rubisko, (s) Cornetto | |  | | --- | | 1 [   ] | |
|  | very weak to weak |  | |  | | --- | | 2 [   ] | |
|  | weak | (w) Antonius, (s) FD 1 24 | |  | | --- | | 3 [   ] | |
|  | weak to medium |  | |  | | --- | | 4 [   ] | |
|  | medium | (w) Maxwell, (s) Specifik | |  | | --- | | 5 [   ] | |
|  | medium to strong |  | |  | | --- | | 6 [   ] | |
|  | strong | (w) Homeros, (s) Sensas | |  | | --- | | 7 [   ] | |
|  | strong to very strong |  | |  | | --- | | 8 [   ] | |
|  | very strong | (w) Cellule | |  | | --- | | 9 [   ] | |
| |  | | --- | | **5.~~1~~ 3** |  |  | | --- | | **(7)** | | |  | | --- | | **Time of ear emergence** | |  |  |
|  | |  | | --- | | very early | | |  | | --- | | (w) Accor, (s) Badiel | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | very early to early | | |  | | --- | |  | | |  | | --- | | 2 [   ] | |
|  | |  | | --- | | early | | |  | | --- | | (w) Solehio, (s) Sensas | | |  | | --- | | 3 [   ] | |
|  | |  | | --- | | early to medium | | |  | | --- | |  | | |  | | --- | | 4 [   ] | |
|  | |  | | --- | | medium | | |  | | --- | | (w) Sotchy CS, (s) Granary | | |  | | --- | | 5 [   ] | |
|  | |  | | --- | | medium to late | | |  | | --- | |  | | |  | | --- | | 6 [   ] | |
|  | |  | | --- | | late | | |  | | --- | | (w) Rosario, (s) Triso | | |  | | --- | | 7 [   ] | |
|  | |  | | --- | | late to very late | | |  | | --- | |  | | |  | | --- | | 8 [   ] | |
|  | |  | | --- | | very late | | |  | | --- | | (w) Adequat | | |  | | --- | | 9 [   ] | |
| |  | | --- | | **5.~~2~~ 4** |  |  | | --- | | **(12)** | | |  | | --- | | **Lower glume: hairiness on external surface** | |  |  |
|  | |  | | --- | | absent | | |  | | --- | | (w) Soissons, (s) Triso | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | present | | |  | | --- | | (w) Franz, (s) Galera | | |  | | --- | | 9 [   ] | |

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
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|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Characteristics | | Example Varieties | | Note | |
| |  | | --- | | **5.~~3~~ 5** |  |  | | --- | | **(13)** | | | |  | | --- | | **Plant: length** | | |  | |  | |
|  | | |  | | --- | | very short | | | |  | | --- | | (w) Fronton | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | very short to short | | | |  | | --- | |  | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | short | | | |  | | --- | | (w) Apache, (s) Lennox | | | |  | | --- | | 3 [   ] | | |
|  | | |  | | --- | | short to medium | | | |  | | --- | |  | | | |  | | --- | | 4 [   ] | | |
|  | | |  | | --- | | medium | | | |  | | --- | | (w) Solehio, (s) FD 1 24 | | | |  | | --- | | 5 [   ] | | |
|  | | |  | | --- | | medium to long | | | |  | | --- | |  | | | |  | | --- | | 6 [   ] | | |
|  | | |  | | --- | | long | | | |  | | --- | | (w) Antonius | | | |  | | --- | | 7 [   ] | | |
|  | | |  | | --- | | long to very long | | | |  | | --- | |  | | | |  | | --- | | 8 [   ] | | |
|  | | |  | | --- | | very long | | | |  | | --- | | (w) Capo | | | |  | | --- | | 9 [   ] | | |
| |  | | --- | | **5.~~4~~ 6** |  |  | | --- | | **(14)** | | | |  | | --- | | **Straw: pith in cross section** | | |  | |  | |
|  | | |  | | --- | | thin | | | |  | | --- | | (w) SY Moisson, (s) FD 1 24 | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | medium | | | |  | | --- | | (w) Apache, (s) Granary | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | thick or filled | | | |  | | --- | | (w) Synchro, (s) Olivart | | | |  | | --- | | 3 [   ] | | |
| |  | | --- | | **5.~~5~~ 7** |  |  | | --- | | **(17)** | | | |  | | --- | | **Ear: scurs or awns** | | |  | |  | |
|  | | |  | | --- | | both absent | | | |  | | --- | | (s) Gorda | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | scurs present | | | (w) Apache, (s) Granary | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | awns present | | | (w) Solehio, (s) Sensas | | |  | | --- | | 3 [   ] | | |
| |  | | --- | | **5.~~6~~ 8** |  |  | | --- | | **(19)** | | | |  | | --- | | **Ear: color** | | |  | |  | |
|  | | |  | | --- | | white | | | (w) Solehio, (s) Granary | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | colored | | | (w) Sertori, (s) Bastian | | |  | | --- | | 2 [   ] | | |
| **5.9 (26)** | | |  | | --- | | **Lower glume: area of hairiness on internal surface** | | |  | |  | |
|  | | very small | | (w) Lupus | | |  | | --- | | 1 [   ] | | |
|  | | small | |  | | |  | | --- | | 2 [   ] | | |
|  | | medium | | (w) Solehio, (s) KWS Scirocco | | |  | | --- | | 3 [   ] | | |
|  | | large | |  | | |  | | --- | | 4 [   ] | | |
|  | | very large | | (w) Apache, (s) Lennox | | |  | | --- | | 5 [   ] | | |
| |  | | --- | | **5.~~7~~ 10** |  |  | | --- | | **(27)** | | | |  | | --- | | **Seasonal type** | | |  | |  | |
|  | | |  | | --- | | winter type | | | |  | | --- | | (w) Solehio | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | alternative type | | | |  | | --- | | (w) SY Moisson | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | spring type | | | |  | | --- | | (s) Lennox | | | |  | | --- | | 3 [   ] | | |

[Annex XII follows]

Test Guidelines for Hemp (document TG/276/1)

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 (8)** | **Leaf: number of leaflets** | | |  |  |
|  | few | | | Ermes | 1[ ] |
|  | medium | | | Epsilon 68 | 2[ ] |
|  | many | | | Kompolti | 3[ ] |
| **5.2 (10)** | **Central leaflet: width** | | |  |  |
|  | very narrow | | |  | 1[ ] |
|  | very narrow to narrow | | |  | 2[ ] |
|  | narrow | | | Santhica 27 | 3[ ] |
|  | narrow to medium | | |  | 4[ ] |
|  | medium | | | Dioica 88 | 5[ ] |
|  | medium to broad | | |  | 6[ ] |
|  | broad | | | Kompolti | 7[ ] |
|  | broad to very broad | | |  | 8[ ] |
|  | very broad | | |  | 9[ ] |
| **5.~~1~~ 3 (11)** | **Time of male flowering** | | |  |  |
|  | very early | | | Finola | 1[ ] |
|  | very early to early | | |  | 2[ ] |
|  | early | | | Santhica 27 | 3[ ] |
|  | early to medium | | |  | 4[ ] |
|  | medium | | | Dioica 88 | 5[ ] |
|  | medium to late | | |  | 6[ ] |
|  | late | | | Futura 75 | 7[ ] |
|  | late to very late | | |  | 8[ ] |
|  | very late | | | Kompolti | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~2~~ 4  (13)** | **Inflorescence: THC content** | | |  |  |
|  | absent or very low | | | Santhica 23 | 1[ ] |
|  | low | | |  | 2[ ] |
|  | medium | | | Uso 31 | 3[ ] |
|  | high | | |  | 4[ ] |
|  | very high | | | Medisins | 5[ ] |
| **5.~~3~~ 5 (14)** | **Plant: proportion of hermaphrodite** **plants** | | |  |  |
|  | low | | |  | 1[ ] |
|  | low to medium | | |  | 2[ ] |
|  | medium | | |  | 3[ ] |
|  | medium to high | | |  | 4[ ] |
|  | high | | |  | 5[ ] |
| **5.~~4~~ 6 (15)** | **Plant: proportion of female plants** | | |  |  |
|  | low | | |  | 1[ ] |
|  | low to medium | | |  | 2[ ] |
|  | medium | | |  | 3[ ] |
|  | medium to high | | |  | 4[ ] |
|  | high | | |  | 5[ ] |
| **5.~~5~~ 7 (16)** | **Plant: proportion of male plants** | | |  |  |
|  | low | | |  | 1[ ] |
|  | low to medium | | |  | 2[ ] |
|  | medium | | |  | 3[ ] |
|  | medium to high | | |  | 4[ ] |
|  | high | | |  | 5[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~6~~ 8 (17)** | **Plant: natural height** | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Finola | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Uso 31 | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Ferimon | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| **5.9 (18)** | **Main stem: color** | | |  |  |
|  | yellow | | | Chamaeleon | 1[ ] |
|  | medium green | | | Epsilon 68 | 2[ ] |
|  | dark green | | | Kompolti | 3[ ] |
|  | purple | | | Fibranova | 4[ ] |
| **5.10 (24)** | **Seed: color of testa** | | |  |  |
|  | light grey | | | Fibrol | 1[ ] |
|  | medium grey | | | Finola | 2[ ] |
|  | grey brown | | | Futura 75 | 3[ ] |
|  | yellowish brown | | | Santhica 27 | 4[ ] |
|  | brown | | | Ermes | 5[ ] |
| **5.11 (25)** | **Seed: marbling** | | |  |  |
|  | weak | | | Finola | 1[ ] |
|  | medium | | | Kompolti | 2[ ] |
|  | strong | | | Futura 75 | 3[ ] |

[Annex XIII follows]

Test Guidelines for Peach (document TG/53/7 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 (1)** | **Tree: size** | |  |  |
|  | very small | | Bonanza, Bonfire, Pix Zee, Zaino | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Richaven | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Robin | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Redhaven | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | | Champion | 9[ ] |
| **5.2 (2)** | **Tree: vigor** | |  |  |
|  | very weak | |  | 1[ ] |
|  | very weak to weak | |  | 2[ ] |
|  | weak | | J. H. Hale | 3[ ] |
|  | weak to medium | |  | 4[ ] |
|  | medium | | Robin | 5[ ] |
|  | medium to strong | |  | 6[ ] |
|  | strong | | Springtime | 7[ ] |
|  | strong to very strong | |  | 8[ ] |
|  | very strong | |  | 9[ ] |
| **5.3 (3)** | **Tree: habit** | |  |  |
|  | fastigiate | | Nectarose, Pillar | 1[ ] |
|  | upright | | Fairhaven, Redwing | 2[ ] |
|  | upright to spreading | | Albertina, Elegant Lady, Mercil | 3[ ] |
|  | spreading | | Charles Roux | 4[ ] |
|  | drooping | | Biancopendulo | 5[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~2~~ 4 (9)** | **Flower: type** | |  |  |
|  | campanulate | | Dida, Springtime | 1[ ] |
|  | rosette | | Robin, Vesuvio | 2[ ] |
| **5.5 (12)** | **Only varieties with flower type: campanulate: Petal: width** | |  |  |
|  | very narrow | |  | 1[ ] |
|  | very narrow to narrow | |  | 2[ ] |
|  | narrow | | Meydicte | 3[ ] |
|  | narrow to medium | |  | 4[ ] |
|  | medium | | Bradgust | 5[ ] |
|  | medium to broad | |  | 6[ ] |
|  | broad | | Monnail | 7[ ] |
|  | broad to very broad | |  | 8[ ] |
|  | very broad | |  | 9[ ] |
| **5.6 (13)** | **Only varieties with flower type: rosette: Petal: width** | |  |  |
|  | very narrow | | Triumph | 1[ ] |
|  | narrow | | Shasta | 2[ ] |
|  | medium | | Robin | 3[ ] |
|  | broad | | Michelini | 4[ ] |
|  | very broad | | Veteran | 5[ ] |
| **5.7 (17)** | **Anthers: pollen** | |  |  |
|  | absent | | J. H. Hale | 1[ ] |
|  | present | | Redhaven | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.8 (20)** | **Leaf blade: length** | |  |  |
|  | very short | |  | 1[ ] |
|  | very short to short | |  | 2[ ] |
|  | short | | Jeronimo | 3[ ] |
|  | short to medium | |  | 4[ ] |
|  | medium | | Fairhaven | 5[ ] |
|  | medium to long | |  | 6[ ] |
|  | long | | Southland | 7[ ] |
|  | long to very long | |  | 8[ ] |
|  | very long | |  | 9[ ] |
| **5.~~3~~ 9 (28)** | **Leaf blade: red mid‑vein on the lower side** | |  |  |
|  | absent | | Redhaven | 1[ ] |
|  | present | | Sanguine Chanas | 9[ ] |
| **5.~~4~~ 10 (30)** | **Petiole: nectaries** | |  |  |
|  | absent | | Crimson Glo, Tejon | 1[ ] |
|  | present | | Redhaven | 9[ ] |
| **5.~~5~~ 11 (31)** | **Petiole: shape of nectaries** | |  |  |
|  | round | | Springtime | 1[ ] |
|  | reniform | | Redhaven | 2[ ] |
| **5.12 (32)** | **Fruit: size** | |  |  |
|  | very small | | Nectarine-Cerise | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Minastar, Springtime | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Momée, Springlady, Sunhaven | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Loring, Zaifer, Zaitabo | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | | Comanche, Maillarbig | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~6~~ 13 (33)** | **Fruit: shape (in ventral view)** | |  |  |
|  | broad oblate | | Alex, Bailou, UFO3 | 1[ ] |
|  | medium oblate | | Herastrau, Robin | 2[ ] |
|  | circular | | Redwing | 3[ ] |
|  | broad elliptic | | Cavalier | 4[ ] |
|  | medium elliptic | | Elberta | 5[ ] |
| **5.14 (40)** | **Fruit: ground color of skin** | |  |  |
|  | not visible | | Fiesta Red | 1[ ] |
|  | green | | Ruberrina | 2[ ] |
|  | cream green | | Carman | 3[ ] |
|  | greenish white | | Morton | 4[ ] |
|  | cream white | | Antonia, Michelini | 5[ ] |
|  | cream | | Amsden | 6[ ] |
|  | pink white | | Précoce de Hale | 7[ ] |
|  | greenish yellow | | Veteran | 8[ ] |
|  | cream yellow | | Fuzalode | 9[ ] |
|  | yellow | | Sudanell | 10[ ] |
|  | orange yellow | | Redtop, Victoria | 11[ ] |
| **5.~~7~~ 15 (44)** | **Fruit: pubescence of skin** | |  |  |
|  | absent | | Daisy, Fantasia, Monco, Zaitabo | 1[ ] |
|  | present | | Merspri, Moncav, Rich May | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.16 (49)** | **Fruit: adherence of skin to flesh** | |  |  |
|  | very weak | | Mme Girerd | 1[ ] |
|  | very weak to weak | |  | 2[ ] |
|  | weak | | Redhaven | 3[ ] |
|  | weak to medium | |  | 4[ ] |
|  | medium | | Early Sungrand | 5[ ] |
|  | medium to strong | |  | 6[ ] |
|  | strong | | Babygold 5 | 7[ ] |
|  | strong to very strong | |  | 8[ ] |
|  | very strong | | Vivian | 9[ ] |
| **5.17 (50)** | **Fruit: firmness of flesh** | |  |  |
|  | very soft | | Amsden, Morettini n°1, Springtime | 1[ ] |
|  | very soft to soft | |  | 2[ ] |
|  | soft | | Fairhaven | 3[ ] |
|  | soft to medium | |  | 4[ ] |
|  | medium | | Flavorcrest, Redtop | 5[ ] |
|  | medium to firm | |  | 6[ ] |
|  | firm | | Honey Blaze, Zaitabo | 7[ ] |
|  | firm to very firm | |  | 8[ ] |
|  | very firm | | Babygold 6, Ghiaccio 2 | 9[ ] |
| **5.~~8~~ 18 (51)** | **Fruit: carotenoid coloration of flesh** | |  |  |
|  | greenish white | | Charles Roux | 1[ ] |
|  | white | | Caldesi 2000, Springtime | 2[ ] |
|  | cream white | | Michelini | 3[ ] |
|  | light yellow | | Armking, Spring Gold | 4[ ] |
|  | yellow | | Early Sungrand | 5[ ] |
|  | orange yellow | | Lovell, Merrill Franciscan | 6[ ] |
|  | orange | | Sungold | 7[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.19 (58)** | **Fruit: flesh fiber** | |  |  |
|  | absent or weak | | Redhaven | 1[ ] |
|  | medium | |  | 2[ ] |
|  | strong | | Sunhigh | 3[ ] |
| **5.~~9~~ 20 (60)** | **Fruit: acidity** | |  |  |
|  | very low | | Monam, Moncav, Monna, Redwing, Zaibomi, Zaidaso | 1[ ] |
|  | low | | Maillarboom, Monnude, Zaifave, Zaifuro, Zairesu, Zaitabo | 2[ ] |
|  | medium | | Mercil, Monprime, Ryans Sun | 3[ ] |
|  | high | | Craucail, Kraprim, Nectaross, Orion, Rich May, Zailice, Zainara | 4[ ] |
|  | very high | | Armking, Bracid, Maycrest, Red Robin, Savana Red, Star Bright, Zaibri, Zaitop | 5[ ] |
| **5.21 (61)** | **Stone: size in relation to fruit** | |  |  |
|  | very small | |  | 1[ ] |
|  | very small to small | |  | 2[ ] |
|  | small | | Alex, Robin | 3[ ] |
|  | small to medium | |  | 4[ ] |
|  | medium | | Redhaven | 5[ ] |
|  | medium to large | |  | 6[ ] |
|  | large | | Somervee | 7[ ] |
|  | large to very large | |  | 8[ ] |
|  | very large | |  | 9[ ] |
| **5.22 (66)** | **Stone: adherence to flesh** | |  |  |
|  | absent | | Fairhaven, Fuzalode | 1[ ] |
|  | present | | Sweet Gold, Vivian | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.23 (68)** | **Time of beginning of leaf bud burst** | |  |  |
|  | very early | | Sunred | 1[ ] |
|  | very early to early | |  | 2[ ] |
|  | early | | Springtime | 3[ ] |
|  | early to medium | |  | 4[ ] |
|  | medium | | Redhaven | 5[ ] |
|  | medium to late | |  | 6[ ] |
|  | late | | Genadix 7 | 7[ ] |
|  | late to very late | |  | 8[ ] |
|  | very late | | Reine des Vergers | 9[ ] |
| **5.~~10~~ 24 (69)** | **Time of beginning of flowering** | |  |  |
|  | very early | | Zaibop, Zaitolio | 1[ ] |
|  | very early to early | |  | 2[ ] |
|  | early | | Rich Lady, Springtime | 3[ ] |
|  | early to medium | |  | 4[ ] |
|  | medium | | Monnude, Zaitabo | 5[ ] |
|  | medium to late | |  | 6[ ] |
|  | late | | Maillarflat, Maillarlau | 7[ ] |
|  | late to very late | |  | 8[ ] |
|  | very late | | Summerqueen | 9[ ] |
|  | Characteristics | | Example Varieties | Note |
| **5.~~11~~ 25 (70)** | **Time of maturity** | |  |  |
|  | very early | | Rich May, Springtime, Zaibaro | 1[ ] |
|  | very early to early | | Zainoar, Zaitani | 2[ ] |
|  | early | | Antonia, Redwing, Rich Lady, Robin | 3[ ] |
|  | early to medium | | Craucail, Diamond Princess | 4[ ] |
|  | medium | | Fairhaven, Fantasia, Summer Bright, Zee Lady | 5[ ] |
|  | medium to late | | Maillarbig, Savana red, Zaimor | 6[ ] |
|  | late | | Fairlane, Flacara, Veteran, Western Red, Zailati, Zairova | 7[ ] |
|  | late to very late | | Andgold, Tardibelle | 8[ ] |
|  | very late | | Rubidoux | 9[ ] |
|  | extremely late | | Calante, Jesca | 10[ ] |

[Annex XIV follows]

Test Guidelines for Japanese Plum (document TG/84/4 Corr. 2 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 (2)** | **Tree: vigor** | | |  |  |
|  | weak | | |  | 1[ ] |
|  | very weak to weak | | |  | 2[ ] |
|  | weak | | | Black Gold, Satsuma | 3[ ] |
|  | weak to medium | | |  | 4[ ] |
|  | medium | | | Autumn Giant, Suplumeleven | 5[ ] |
|  | medium to strong | | |  | 6[ ] |
|  | strong | | | Robusto, Royal Diamond, Taiyou | 7[ ] |
|  | strong to very strong | | |  | 8[ ] |
|  | very strong | | |  | 9[ ] |
| **5.2 (5)** | **Spur: length** | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Laroda, Sordum | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Frontier | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | October Purple | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| **5.3 (12)** | **Leaf blade: shape** | | |  |  |
|  | ovate | | |  | 1[ ] |
|  | elliptic | | | Black Gold, October Purple, Syokou, Taiyou | 2[ ] |
|  | obovate | | | Kanro, Kelsey | 3[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.4 (14)** | **Leaf blade: angle of apex (excluding tip)** | | |  |  |
|  | acute | | | Ozark Premier, Taiyou | 1[ ] |
|  | right angled | | | Satsuma | 2[ ] |
|  | obtuse | | | Methley | 3[ ] |
| **5.5 (20)** | **Pedicel: length** | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Methley | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Queen Ann, Shiro | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Red Ace, Taiyou | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| **5.6 (21)** | **Flower: diameter** | | |  |  |
|  | very small | | |  | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Black Gold, Nubiana | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | October Purple, Shiro, Taiyou | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Kiyou, Methley, Ozark Premier | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | |  | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~1~~ 7 (29)** | **Fruit: size** | | |  |  |
|  | very small | | | Methley | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Allo, Eldorado | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Shiro | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Angeleno, Taiyou | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | | Songold | 9[ ] |
| **5.8 (32)** | **Fruit: shape in lateral view** | | |  |  |
|  | oblong | | | Reubennel | 1[ ] |
|  | elliptic | | | Ozark Premier, Taiyou | 2[ ] |
|  | circular | | | Red Beauty, Shiro | 3[ ] |
|  | oblate | | | Friar | 4[ ] |
|  | cordate | | | Morettini 355 | 5[ ] |
|  | obovate | | |  | 6[ ] |
|  | obcordate | | | Santa Rosa | 7[ ] |
| **5.~~2~~ 9  (40)** | **Fruit: ground color of skin** | | |  |  |
|  | not visible | | | Angeleno | 1[ ] |
|  | green | | | Gaviota, Santa Rosa | 2[ ] |
|  | yellowish-green | | | Songold, Taiyou | 3[ ] |
|  | yellow | | | Shiro | 4[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~3~~ 10  (42)** | **Fruit: over color of skin** | | |  |  |
|  | yellow | | | Golden Japan | 1[ ] |
|  | orange yellow | | | Formosa | 2[ ] |
|  | red | | | Red Beauty | 3[ ] |
|  | purple | | | Starking Delicious, Taiyou | 4[ ] |
|  | violet blue | | | Karari, Morettini 355 | 5[ ] |
|  | dark blue | | | Black Amber | 6[ ] |
|  | black | | | Angeleno | 7[ ] |
| **5.~~4~~ 11  (46)** | **Fruit: color of flesh** | | |  |  |
|  | whitish | | | Taiyou | 1[ ] |
|  | green | | | Reina Claudia | 2[ ] |
|  | yellowish green | | | Shiro | 3[ ] |
|  | yellow | | | Angeleno, Golden Japan, Reubennel | 4[ ] |
|  | orange | | | Black Amber, Sun Gold | 5[ ] |
|  | medium red | | | Satsuma, Sordum | 6[ ] |
|  | dark red | | | Beauty, Hawera, Karari, Stark Delicious | 7[ ] |
|  | purplish | | | Sangue di Drago | 8[ ] |
| **5.12 (51)** | **Fruit: adherence of stone to flesh** | | |  |  |
|  | non-adherent | | | Fortune | 1[ ] |
|  | semi-adherent | | | Nubiana, Taiyou | 2[ ] |
|  | adherent | | | Shiro, Sungold | 3[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.13 (53)** | **Stone: size** | | |  |  |
|  | very small | | |  | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Angeleno, Eldorado | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Taiyou, Wickson | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Freedom | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | |  | 9[ ] |
| **5.~~5~~ 14 (60)** | **Time of beginning of flowering** | | |  |  |
|  | very early | | | Durado, Karari, Red Beauty | 1[ ] |
|  | very early to early | | |  | 2[ ] |
|  | early | | | Fortune, Mariposa, Taiyou | 3[ ] |
|  | early to medium | | |  | 4[ ] |
|  | medium | | | Green Sun, Nubiana | 5[ ] |
|  | medium to late | | |  | 6[ ] |
|  | late | | | Gaviota, Shiro | 7[ ] |
|  | late to very late | | |  | 8[ ] |
|  | very late | | | Angeleno, Simka | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~6~~ 15 (61)** | **Time of beginning of fruit ripening** | | |  |  |
|  | very early | | | Beauty, Durado, Red Noble | 1[ ] |
|  | very early to early | | |  | 2[ ] |
|  | early | | | Mariposa, Shiro | 3[ ] |
|  | early to medium | | |  | 4[ ] |
|  | medium | | | Black Gold, Gaviota | 5[ ] |
|  | medium to late | | |  | 6[ ] |
|  | late | | | Angeleno, Nubiana, Taiyou | 7[ ] |
|  | late to very late | | |  | 8[ ] |
|  | very late | | | Akihime, Autumn Giant, Golden King | 9[ ] |

[Annex XV follows]

Test Guidelines for Actinidia (document TG/98/7 Rev. 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  (76)** | **Time of beginning of flowering (for all varieties)** | | |  |  | |
|  | very early | | |  | 1[ ] | |
|  | very early to early | | |  | 2[ ] | |
|  | early | | | Hort16A (A), Yukimusume (B) | 3[ ] | |
|  | early to medium | | |  | 4[ ] | |
|  | medium | | | Abbott (A), Kousui (B) | 5[ ] | |
|  | medium to late | | |  | 6[ ] | |
|  | late | | | Hayward (A) | 7[ ] | |
|  | late to very late | | |  | 8[ ] | |
|  | very late | | |  | 9[ ] | |
| **5.2 (13)** | **Stem: presence of bud cover** | | |  |  | |
|  | absent | | | Hort16A (A), Kousui (B) | 1[ ] | |
|  | present | | | Hayward (A), Mitsukou (B) | 9[ ] | |
| **5.3 (14)** | **Stem: size of hole in bud cover** | | |  |  | |
|  | small | | | Abbott (A), Mitsukou (B) | 1[ ] | |
|  | medium | | | Hayward (A), r-Awaji (B) | 2[ ] | |
|  | large | | | Elmwood (A), r-Nagano (B) | 3[ ] | |
| **5.4 (17)** | **Leaf blade: shape** | | |  |  | |
|  | lanceolate | | | Kaimai (A) | 1[ ] | |
|  | ovate | | | Hayward (A) | 2[ ] | |
|  | obovate | | | Bruno (A) | 3[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.5 (19)** | **Leaf blade: shape of apex** | | |  |  | |
|  | caudate | | | Hortgem Tahi (B) | 1[ ] | |
|  | acuminate | | | Kaimai (A), Yukimusume (B) | 2[ ] | |
|  | acute | | | Hayward (A) | 3[ ] | |
|  | emarginate with cuspidate | | |  | 4[ ] | |
|  | rounded | | | Satoizumi (B) | 5[ ] | |
|  | retuse | | | Shinzan (B) | 6[ ] | |
|  | emarginate | | | Kuimi (A) | 7[ ] | |
| **5.6 (42)** | **Petal: main color on adaxial side** | | |  |  | |
|  | white | | | Hayward (A), Shinzan (B) | 1[ ] | |
|  | greenish white | | | Hortgem Tahi (B), Satoizumi (B) | 2[ ] | |
|  | yellowish white | | | Bruce (A), Mitsukou (B) | 3[ ] | |
|  | yellowish green | | |  | 4[ ] | |
|  | yellow | | |  | 5[ ] | |
|  | light pink | | |  | 6[ ] | |
|  | red pink | | |  | 7[ ] | |
|  | red | | |  | 8[ ] | |
| **5.7 (46)** | **Anther: color** | | |  |  | |
|  | yellow | | | r-Nagano (B) | 1[ ] | |
|  | yellow orange | | | Bruce (A) | 2[ ] | |
|  | grey | | |  | 3[ ] | |
|  | dark purple | | | Mitsukou (B) | 4[ ] | |
|  | black | | | a-Shouwa (B) | 5[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~2~~ 8 (47)** | **Fruit: weight (for female and hermaphrodite varieties)** | | |  |  | |
|  | very low | | |  | 1[ ] | |
|  | very low to low | | |  | 2[ ] | |
|  | low | | | Huaguang2 (A) | 3[ ] | |
|  | low to medium | | |  | 4[ ] | |
|  | medium | | | Hort16A (A), Hortgem Tahi (B), Tomua (A) | 5[ ] | |
|  | medium to high | | |  | 6[ ] | |
|  | high | | | Hayward (A), Jin Feng (A) | 7[ ] | |
|  | high to very high | | |  | 8[ ] | |
|  | very high | | | Jade Moon (A) | 9[ ] | |
| **5.~~3~~ 9 (51)** | **Fruit: shape (for female and hermaphrodite varieties)** | | |  | |  | |
|  | ovate | | | Hort16A (A), Jecy Gold (A), Yamagatamusume (B) | | 1[ ] | |
|  | oblong | | | Hortgem Toru (B), Wilkins Super (A) | | 2[ ] | |
|  | elliptic | | | Hayward (A), Mitsukou (B) | | 3[ ] | |
|  | circular | | | Hort51-1785 (A) | | 4[ ] | |
|  | oblate | | | Kuimi (A), Shinzan (B) | | 5[ ] | |
|  | obovate | | | Monty (A) | | 6[ ] | |
| **5.10 (52)** | **Fruit: shape in cross section (at median)** | | |  | |  | |
|  | circular | | | Bruno (A), Mitsukou (B) | | 1[ ] | |
|  | oblate | | | Hortgem Tahi (B), Kousui (B),  Wilkins Super (A) | | 2[ ] | |
|  | transverse elliptic | | | Hayward (A) | | 3[ ] | |
| **5.~~4~~ 11 (53)** | **Fruit: stylar end (for female and hermaphrodite varieties)** | | |  | |  | |
|  | strongly depressed | | |  | | 1[ ] | |
|  | weakly depressed | | | Jade Moon (A) | | 2[ ] | |
|  | flat | | | Hayward (A), Satoizumi (B) | | 3[ ] | |
|  | rounded | | | Kousui (B), Tomua (A) | | 4[ ] | |
|  | weakly blunt protruding | | | Skelton (A) | | 5[ ] | |
|  | strongly blunt protruding | | | Hort16A (A) | | 6[ ] | |
|  | pointed protrusion | | | Hortgem Toru (B) | | 7[ ] | |
|  | Characteristics | | | Example Varieties | | Note | |
| **5.12 (56)** | **Fruit: shape of shoulder at stalk end** | | |  | |  | |
|  | truncate | | | Hortgem Tahi (B), Mitsukou (B) | | 1[ ] | |
|  | weakly sloping | | | Hayward (A), Kousui (B) | | 2[ ] | |
|  | strongly sloping | | | Skelton (A) | | 3[ ] | |
| **5.~~5~~ 13 (60)** | **Fruit: hairiness of skin (for female and hermaphrodite varieties)** | | |  | |  | |
|  | absent | | | Shinzan (B), a-Shouwa (B) | | 1[ ] | |
|  | present | | | Hayward (A) | | 9[ ] | |
| **5.14 (64)** | **Fruit: color of skin** | | |  | |  | |
|  | light green | | | Hortgem Rua (B) | | 1[ ] | |
|  | medium green | | | Hortgem Tahi (B), Mitsukou (B) | | 2[ ] | |
|  | reddish green | | |  | | 3[ ] | |
|  | yellow | | |  | | 4[ ] | |
|  | greenish brown | | | Hayward (A), Shinzan (B) | | 5[ ] | |
|  | reddish brown | | |  | | 6[ ] | |
|  | light brown | | | Hort16A (A) | | 7[ ] | |
|  | medium brown | | | Sanuki Gold (A) | | 8[ ] | |
|  | dark brown | | | Kousui (B), Tomua (A) | | 9[ ] | |
|  | purple red | | |  | | 10[ ] | |
| **5.~~6~~ 15 (66)** | **Fruit: color of outer pericarp (for female and hermaphrodite varieties)** | | |  | |  | |
|  | light green | | | Shinzan (B) | | 1[ ] | |
|  | medium green | | | Hayward (A) | | 2[ ] | |
|  | dark green | | | Hortgem Toru (B) | | 3[ ] | |
|  | greenish yellow | | | Hort22D (A), Satoizumi (B) | | 4[ ] | |
|  | medium yellow | | | Hort16A (A), Kousui (B) | | 5[ ] | |
|  | dark yellow | | | Hort51-1785 (A) | | 6[ ] | |
|  | yellowish orange | | |  | | 7[ ] | |
|  | orange | | |  | | 8[ ] | |
|  | red | | |  | | 9[ ] | |
|  | red purple | | |  | | 10[ ] | |
|  | Characteristics | | | Example Varieties | | Note | |
| **5.~~7~~ 16 (67)** | **Fruit: color of locules (for female and hermaphrodite varieties)** | | |  | |  | |
|  | light green | | | Shinzan (B) | | 1[ ] | |
|  | medium green | | | Hayward (A), Hortgem Tahi (B) | | 2[ ] | |
|  | dark green | | | Hortgem Toru (B) | | 3[ ] | |
|  | greenish yellow | | | Satoizumi (B) | | 4[ ] | |
|  | medium yellow | | | Hort16A (A), Kousui (B) | | 5[ ] | |
|  | dark yellow | | | Hort51-1785 (A) | | 6[ ] | |
|  | red | | | Hort22D (A), Hortgem Rua (B) | | 7[ ] | |
|  | red purple | | |  | | 8[ ] | |
| **5.17 (72)** | **Fruit: color of core** | | |  | |  | |
|  | white | | | Hort22D (A) | | 1[ ] | |
|  | greenish white | | | Hayward (A), Hortgem Tahi (B) | | 2[ ] | |
|  | yellow white | | | Hort16A (A), Shinzan (B) | | 3[ ] | |
|  | red purple | | |  | | 4[ ] | |
| **5.18 (75)** | **Time of vegetative bud burst** | | |  | |  | |
|  | very early | | | Hort16A (A), Hortgem Rua (B) | | 1[ ] | |
|  | very early to early | | |  | | 2[ ] | |
|  | early | | | Tomua (A), Yukimusume (B) | | 3[ ] | |
|  | early to medium | | |  | | 4[ ] | |
|  | medium | | | Hayward (A), Shinzan (B) | | 5[ ] | |
|  | medium to late | | |  | | 6[ ] | |
|  | late | | | Mitsukou (B) | | 7[ ] | |
|  | late to very late | | |  | | 8[ ] | |
|  | very late | | |  | | 9[ ] | |
|  | Characteristics | | | Example Varieties | | Note | |
| **5.~~8~~ 19  (77)** | **Time of maturity for harvest (for female and hermaphrodite varieties)** | | |  | |  | |
|  | very early | | | Hortgem Rua (B) | | 1[ ] | |
|  | very early to early | | |  | | 2[ ] | |
|  | early | | | Hort 22D (A), Hortgem Tahi (B), Yamagatamusume (B) | | 3[ ] | |
|  | early to medium | | |  | | 4[ ] | |
|  | medium | | | Kousui (B), Tomua (A) | | 5[ ] | |
|  | medium to late | | |  | | 6[ ] | |
|  | late | | | Hayward (A), Yukimusume (B) | | 7[ ] | |
|  | late to very late | | |  | | 8[ ] | |
|  | very late | | |  | | 9[ ] | |

[Annex XVI follows]

Test Guidelines for Prunus Rootstocks (document TG/187/2)

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 (1)** | **Plant: vigor** | | |  |  |
|  | weak | | | Edabriz, Ferlenain, Pumiselekt | 1[ ] |
|  | weak to medium | | |  | 2[ ] |
|  | medium | | | Brokforest, GF 305, GM 61/1, Rubira, Ute | 3[ ] |
|  | medium to strong | | |  | 4[ ] |
|  | strong | | | Alkavo, Hamyra, MF 12/1 | 5[ ] |
| **5.2 (2)** | **Plant: habit** | | |  |  |
|  | upright | | | Colt, Prudom | 1[ ] |
|  | upright to spreading | | |  | 2[ ] |
|  | spreading | | | Gisela 5 | 3[ ] |
|  | spreading to drooping | | |  | 4[ ] |
|  | drooping | | | Prunus besseyi | 5[ ] |
| **5.3 (4)** | **One-year-old shoot: thickness** | | |  |  |
|  | thin | | | Edabriz, Gisela 5, Hamyra | 1[ ] |
|  | thin to medium | | |  | 2[ ] |
|  | medium | | | Colt, GF 655-2, Pixy | 3[ ] |
|  | medium to thick | | |  | 4[ ] |
|  | thick | | | Brooks-60, MF 12/1 | 5[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~2~~ 4 (15)** | **Leaf blade: length** | | |  |  |
|  | very short | | | Myrobalan B | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Edabriz, Weito T 6 | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Piku 1 | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | MF 12/1 | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | | GF 677 | 9[ ] |
| **5.5 (16)** | **Leaf blade: width** | | |  |  |
|  | very narrow | | | GF 677 | 1[ ] |
|  | very narrow to narrow | | |  | 2[ ] |
|  | narrow | | | Myrobalan B | 3[ ] |
|  | narrow to medium | | |  | 4[ ] |
|  | medium | | | Fereley, Weito T6 | 5[ ] |
|  | medium to broad | | |  | 6[ ] |
|  | broad | | | Brooks-60, MF 12/1 | 7[ ] |
|  | broad to very broad | | |  | 8[ ] |
|  | very broad | | | Colt | 9[ ] |
| **5.~~3~~ 6 (18)** | Leaf blade: shape | | |  |  |
|  | broad ovate | | | Edabriz, Gisela 5 | 1[ ] |
|  | medium ovate | | | Greenpac | 2[ ] |
|  | circular | | | Adara, Hamyra, Prudom, SL 64 | 3[ ] |
|  | medium elliptic | | | Colt, Fereley, Pixy | 4[ ] |
|  | narrow elliptic | | | GF 677, Pumiselekt | 5[ ] |
|  | obovate | | | Weiroot 158 | 6[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~4~~ 7 (22)** | **Leaf blade: color of upper side** | | |  |  |
|  | medium green | | | Gisela 5, Hamyra, Pixy, Pumiselekt | 1[ ] |
|  | dark green | | | Colt | 2[ ] |
|  | red | | | Citation | 3[ ] |
|  | reddish brown | | | Rubira | 4[ ] |
| **5.~~5~~ 8 (25)** | **Leaf blade: incisions of margin** | | |  |  |
|  | crenate | | | Pixy | 1[ ] |
|  | crenate and serrate | | | Adesoto, GF 1869 | 2[ ] |
|  | serrate | | | Gisela 5, Hamyra, VVA 1, Wangenheim | 3[ ] |
| **5.9 (32)** | **Leaf: presence of nectaries** | | |  |  |
|  | absent | | | Ferlenain | 1[ ] |
|  | present | | | GF 677, Pixy, St. Julien A, Weito T 6 | 9[ ] |

[End of Annex XVI and of document]

1. at its fifty-fourth session, held from May 11 to 15, 2020. [↑](#footnote-ref-2)
2. at its fifty-second session, held from June 8 to 12, 2020. [↑](#footnote-ref-3)
3. at its forty-ninth session, held from June 22 to 26, 2020. [↑](#footnote-ref-4)
4. at its fifty-first session, held from July 6 to 10, 2020. [↑](#footnote-ref-5)
5. Held via electronic means on October 26 and 27, 2020 [↑](#footnote-ref-6)