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

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| Technical Working Party for Vegetables  Fifty-Sixth Session  Virtual meeting, April 18 to 22, 2022  Technical Working Party for Agricultural Crops  Fifty-First Session  Cambridge, United Kingdom, May 23 to 27, 2022  Technical Working Party for Ornamental Plants and Forest Trees  Fifty-Fourth Session  Hanover, Germany, June 13 to 17, 2022  Technical Working Party for Fruit Crops  Fifty-Third Session  Virtual meeting, July 11 to 15, 2022  Technical Working Party on Testing Methods and Techniques  First Session  Virtual meeting, September 19 to 23, 2022 | TWP/6/10  Original: English  Date: March 14, 2022 |

revision of test guidelines

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

# Executive SUMMARY

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

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

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

The TWV is invited to consider:

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

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

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

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

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ANNEX I Partial revision of the Test Guidelines for Maize

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

The following abbreviations are used in this document:

TC: Technical Committee

TC-EDC: Enlarged Editorial Committee

TWA: Technical Working Party for Agricultural Crops

TWC: Technical Working Party on Automation and Computer Programs

TWF: Technical Working Party for Fruit Crops

TWM: Technical Working Party on Testing Methods and Techniques

TWO: Technical Working Party for Ornamental Plants and Forest Trees

TWPs: Technical Working Parties

TWV: Technical Working Party for Vegetables

# BACKGROUND

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

# 

## Developments at the Technical Committee in 2021

The TC, at its fifty-seventh session[[1]](#footnote-2), noted that the following Test Guidelines had been proposed to be partially revised for the inclusion of characteristics in the Technical Questionnaires:

* TWV

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

* TWO:

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

* TWA:

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

* TWF:

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

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

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

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

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

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

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

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

# Relationship between Asterisked, Grouping and TQ characteristics

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

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

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

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

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

# proposals for partial revisions of test guidelines

The TC, at its fifty-seventh session[[2]](#footnote-3), noted that the following Test Guidelines had been proposed to be partially revised for the inclusion of characteristics in the Technical Questionnaires:

* TWV

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/2/7 | Maize | [Annex I](#_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) |

## Overview of individual proposals for partial revisions of Test Guidelines

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **(S)** | **Characteristic Name** | **Comments** |
| 1 |  | (S) | First leaf: anthocyanin coloration of sheath | Majority of the experts do not support to include it since it is difficult to observe and strongly influenced by the weather. |
| 8 | (\*) |  | Tassel: time of anthesis |  |
| 9 | (\*) | (S) | Tassel: anthocyanin coloration at base of glume |  |
| 10 |  | (S) | Tassel: anthocyanin coloration of glumes excluding base |  |
| 11 |  | (S) | Tassel: anthocyanin coloration of anthers |  |
| 14 | (\*) |  | Tassel: number of primary lateral branches |  |
| 15 |  |  | Ear: time of silk emergence |  |
| 16 | (\*) | (S) | Ear: anthocyanin coloration of silks |  |
| 24.1 | (\*) |  | Only inbred lines and varieties with ear type of grain: sweet or pop: Plant: length | Option “not applicable” added |
| 24.2 | (\*) |  | Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop: Plant: length | Option “not applicable” added |
| 28 | (\*) |  | Ear: length | - To be agreed by the agricultural and vegetable experts, different opinions  - Only for sweet or pop? |
| 29 |  |  | Ear: diameter (in middle) | - To be agreed by the agricultural and vegetable experts, different opinions  - Only for sweet or pop? |
| 30 |  |  | Ear: shape | - To be agreed by the agricultural and vegetable experts, different opinions  - Only for sweet or pop? |
| 31 |  |  | Ear: number of rows of grain | - To be agreed by the agricultural and vegetable experts, different opinions  - Only for sweet or pop? |
| 32 |  | (S) | Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains | Option “not applicable” added |
| 33 | (\*) |  | Only varieties with ear type of grain: sweet: Grain: intensity of yellow color | Option “not applicable” added |
| 35 |  |  | Only varieties with ear type of grain: sweet: Grain: width | Option “not applicable” added |
| 36 | (\*) | (S) | Ear: type of grain |  |
| 37 | (\*) |  | Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain | Option “not applicable” added |
| 38 | (\*) | (S) | Ear: color of top of grain | Not supported by one UPOV member |
| 39 | (\*) | (S) | Excluding varieties with ear type of grain: sweet: Ear: color of dorsal side of grain | Option “not applicable” added |
| 41 | (\*) | (S) | Ear: anthocyanin coloration of glumes of cob |  |

(S) = Segregation

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comments** |
| 1 | (\*) | Seed: color |  |
| 2 | (\*) | 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 | Option “not applicable” added |
| 11 | (\*) | Leaf: anthocyanin coloration |  |
| 12 | (\*) | Leaf: hue of anthocyanin coloration | Option “not applicable” added (see Char. 11) |
| 13 |  | Leaf: area covered by anthocyanin coloration | Option “not applicable” added  (see Char. 11) |
| 14 | (\*) | Leaf: color |  |
| 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 | Option “not applicable” added |
| 27 | (\*) | Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Head: shape in longitudinal section | Option “not applicable” added |
| 34 |  | Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Time of harvest maturity | Option “not applicable” added |
| 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 |
| 48 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 29EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 49 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 30EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 50 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 31EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 51 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 33EU | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |
| 52 |  | Resistance to *Bremia lactucae* (Bl) Isolate Bl: 35EU | 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 |
| 55 |  | Resistance to Fusarium oxysporum f. sp. lactucae (Fol) Race 1 | Currently in TQ 7 with option “Not tested”; “Not tested” added to TQ 5 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comment** |
| 3 | (\*) | Leaf: length (including petiole) |  |
| 5 | (\*) | Leaf: intensity of green color |  |
| 6 | (\*) | Leaf: anthocyanin coloration of petiole |  |
| 7 | (\*) | Root: length |  |
| 8 | (\*) | Root: width |  |
| 9 | (\*) | Root: ratio length/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 | Option “not applicable” added |
| 16 |  | Root: anthocyanin coloration of skin of shoulder |  |
| 19 | (\*) | Root: diameter of core relative to total diameter |  |
| 20 | (\*) | Root: color of core |  |
| 22 | (\*) | Root: color of cortex |  |
| 27 |  | Varieties with blunt tip only: Root: time of development of rounded tip | Option “not applicable” added |
| 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 |  |
| 7 |  | Petiole: length |  |
| 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 |
| 19 |  | Resistance to Cucumber mosaic virus (CMV) | Currently in TQ 7 without option “Not tested”; “Not tested” added to TQ 5 (no (\*)) |

During discussions for partial revision of the Technical Questionnaire for Spinach, experts identified a new characteristic for possible inclusion in the Table of Characteristic of the Test Guidelines to read: “Seeds: spines (submitted seeds)”. In case agreed, the proposal would be considered by the TWV for inclusion in the Table of Characteristics and Technical Questionnaire of the Test Guidelines for Spinach at its fifty-seventh session, to be held in 2023.

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

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** | **Comments** |
| 12 | (\*) | Inflorescence: sex expression (at full flowering) |  |
| 13 |  | Young fruit: hue of green color of skin |  |
| 14 | (\*) | Young fruit: intensity of green color of skin |  |
| 24 | (\*) | Fruit: length |  |
| 25 | (\*) | Fruit: diameter |  |
| 28 | (\*) | Fruit: shape in longitudinal section |  |
| 29 | (\*) | Fruit: ground color of skin |  |
| 31 |  | Fruit: hue of ground color of skin |  |
| 32 |  | Fruit: density of dots |  |
| 36 | (\*) | Fruit: density of patches |  |
| 38 | (\*) | Fruit: warts |  |
| 43 | (\*) | Fruit: grooves |  |
| 45 |  | Fruit: depth of grooves |  |
| 47 | (\*) | Fruit: creasing of surface |  |
| 48 | (\*) | Fruit: cork formation |  |
| 49 | (\*) | Fruit: thickness of cork layer | Add option “not applicable” (48 absent) |
| 50 | (\*) | Fruit: pattern of cork formation | Add option “not applicable” (48 absent) |
| 51 | (\*) | Fruit: density of pattern of cork formation | Add option “not applicable” (48 absent) |
| 54 | (\*) | Fruit: main color of flesh |  |
| 60 | (\*) | Seed: length |  |
| 62 |  | Seed: shape |  |
| 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** |  |
|  |  | Types of edible varieties: Fruit: type |  |
| 4 | (\*) | Plant: growth habit |  |
| 5 | (\*) | Plant: branching |  |
| 8 | (\*) | Stem: color |  |
| 9 |  | Stem: intensity of green color |  |
| 13 | (\*) | Leaf blade: incisions |  |
| 15 | (\*) | Leaf blade: silvery patches |  |
| 16 |  | Leaf blade: relative area covered by silvery patches |  |
| 17 |  | Petiole: length |  |
| 26 |  | Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape | Option “not applicable” added |
| 27 | (\*) | Young fruit: main color of skin (excluding color of ribs or grooves) |  |
| 29 |  | Only varieties with green color of skin: Young fruit: intensity of green color of skin (as for 27) | Option “not applicable” added |
| 30 | (\*) | Fruit: general shape |  |
| 31.1 | (\*) | Only Scallop type varieties: Fruit: length | Option “not applicable” added |
| 31.2 | (\*) | Only Acorn type varieties: Fruit: length | Option “not applicable” added |
| 31.3 | (\*) | Only Neck type varieties: Fruit: length | Option “not applicable” added |
| 31.4 | (\*) | Only Zucchini type varieties: Fruit: length | Option “not applicable” added |
| 32.1 |  | Only Scallop type varieties: Fruit: maximum diameter | Option “not applicable” added |
| 32.2 |  | Only Acorn type varieties: Fruit: maximum diameter | Option “not applicable” added |
| 32.3 |  | Only Zucchini type varieties: Fruit: maximum diameter | Option “not applicable” added |
| 34.1 | (\*) | Only Pumpkin type varieties: Fruit: size | Option “not applicable” added |
| 34.2 | (\*) | Only Rondini type varieties: Fruit: size | Option “not applicable” added |
| 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) | Option “not applicable” added |
| 52 |  | Only varieties with green color of skin: Fruit: intensity of green color of skin (as for 50) | Option “not applicable” added |
| 54 |  | Fruit: stripes in grooves |  |
| 57 |  | Fruit: dots |  |
| 59 |  | Fruit: secondary green color between ribs (excluding dots) |  |
| 61 |  | Fruit: distribution of secondary green color between ribs |  |
| 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** | **Comment** |
| 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 |  |
| 20 |  | Fruit: main color of stripes |  |
| 21 | (\*) | Fruit: conspicuousness of stripes |  |
| 22 | (\*) | Fruit: margin of stripes |  |
| 27 | (\*) | Fruit: thickness of pericarp |  |
| 28 | (\*) | Fruit: main color of flesh |  |
| 29 |  | Only triploid varieties: Seed coat: size | Option “not applicable” added |
| 31 | (\*) | Only diploid and tetraploid varieties: Seed: length | Option “not applicable” added |
| 33 | (\*) | Only diploid and tetraploid varieties: Seed: ground color of testa | Option “not applicable” added |
| 36 |  | Time of female flowering |  |
| 37.1 |  | Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 0 | no (\*), option “not tested” added |
| 37.2 |  | Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 1 | no (\*), option “not tested” added |
| 37.3 |  | Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 2 | no (\*), option “not tested” added |
| 38.1 |  | Resistance to *Colletotrichum orbiculare* – Race 1 | no (\*), option “not tested” added |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |  |
| 2 |  | Plant: height |  |
| 8 | (\*) | Leaf: intensity of green color |  |
| 11 | (\*) | Fruit: green shoulder | Check whether to add option “not applicable” (char. 16 state 1 “not developed or very small”) |
| 14 |  | Fruit: conspicuousness of meridian stripes | Check whether to add option “not applicable” (char. 16 state 1 “not developed or very small”) |
| 16 | (\*) | Fruit: size |  |
| 17 | (\*) | Fruit: shape in longitudinal section | Check whether to add option “not applicable” (char. 16 state 1 “not developed or very small”) |
| 18 | (\*) | Fruit: number of locules | Check whether to add option “not applicable” (char. 16 state 1 “not developed or very small”) |
| 19 | (\*) | Fruit: color at maturity | Check whether to add option “not applicable” (char. 16 state 1 “not developed or very small”) |
| 21 | (\*) | 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) |  |
| 26.1 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Race 0 | no (\*), option “not tested” added |
| 26.2 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group A | no (\*), option “not tested” added |
| 26.3 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group B | no (\*), option “not tested” added |
| 26.4 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group C | no (\*), option “not tested” added |
| 26.5 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group D | no (\*), option “not tested” added |
| 26.6 |  | Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group E | no (\*), option “not tested” added |
| 27.1 |  | Resistance to Tomato mosaic virus (ToMV) – Strain 0 | no (\*), option “not tested” added |
| 27.2 |  | Resistance to Tomato mosaic virus (ToMV) – Strain 1 | no (\*), option “not tested” added |
| 27.3 |  | Resistance to Tomato mosaic virus (ToMV) – Strain 2 | no (\*), option “not tested” added |
| 28 |  | Resistance to *Pyrenochaeta lycopersici* (Pl) | no (\*), option “not tested” added |
| 29 |  | Resistance to *Stemphylium* spp. (Ss) | no (\*), option “not tested” added |
| 30 |  | Resistance to Tomato yellow leaf curl virus (TYLCV) | no (\*), option “not tested” added |
| 31 |  | Resistance to Tomato spotted wilt virus (TSWV) | no (\*), option “not tested” added |
| 32 |  | Resistance to *Oidium neolycopersici* (On) | no (\*), option “not tested” added |

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

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

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

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

|  |  |  |
| --- | --- | --- |
| **Char. No.** | **(\*)** | **Characteristic Name** |
| 1 |  | Seed: color |
| 7 | (\*) | Time of ear emergence |
| 10 | (\*) | Ear: glaucosity |
| 12 | (\*) | Lower glume: hairiness on external surface |
| 13 | (\*) | Plant: length |
| 14 | (\*) | Straw: pith in cross section |
| 17 | (\*) | Ear: scurs or awns |
| 19 | (\*) | Ear: color |
| 20 |  | Ear: shape in profile |
| 27 | (\*) | Seasonal type |

*The TWV is invited to consider:*

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

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

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

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

[Annex I follows]

## 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 (10)** | **Tassel: anthocyanin coloration of glumes excluding base** | | |  |  | |
|  | absent or very weak | | | Empire (SC), F259 | 1[ ] | |
|  | very weak to weak | | |  | 2[ ] | |
|  | weak | | | F2, Royalty (SC) | 3[ ] | |
|  | weak to medium | | |  | 4[ ] | |
|  | medium | | | Centurion (SC), WD36 | 5[ ] | |
|  | medium to strong | | |  | 6[ ] | |
|  | strong | | | W79A | 7[ ] | |
|  | strong to very strong | | |  | 8[ ] | |
|  | very strong | | |  | 9[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.5 (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[ ] | |
| **5.6 (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[ ] | |
| **5.7 (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[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~3~~ 8 (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~~ 9 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[ ] | |
|  | not applicable | | |  | [ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~4~~ 9 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[ ] | |
|  | not applicable | | |  | [ ] | |
| **5.10 (28)** | **Ear: length** | | |  |  | |
|  | very short | | |  | 1[ ] | |
|  | very short to short | | |  | 2[ ] | |
|  | short | | | F2 | 3[ ] | |
|  | short to medium | | |  | 4[ ] | |
|  | medium | | | A654, Spirit (SC) | 5[ ] | |
|  | medium to long | | |  | 6[ ] | |
|  | long | | | Empire (SC), MO17 | 7[ ] | |
|  | long to very long | | |  | 8[ ] | |
|  | very long | | |  | 9[ ] | |
| **5.11 (29)** | **Ear: diameter (in middle)** | | |  |  | |
|  | very small | | |  | 1[ ] | |
|  | very small to small | | |  | 2[ ] | |
|  | small | | | F7 | 3[ ] | |
|  | small to medium | | |  | 4[ ] | |
|  | medium | | | W117 | 5[ ] | |
|  | medium to large | | |  | 6[ ] | |
|  | large | | | Centurion (SC), F481 | 7[ ] | |
|  | large to very large | | |  | 8[ ] | |
|  | very large | | | Empire (SC) | 9[ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.12 (30)** | **Ear: shape** | | |  |  | |
|  | conical | | | F16, Wombat (SC) | 1[ ] | |
|  | conico-cylindrical | | | Centurion (SC), F816 | 2[ ] | |
|  | cylindrical | | | F66, GH2547 (SC) | 3[ ] | |
| **5.13 (31)** | **Ear: number of rows of grain** | | |  |  | |
|  | very few | | |  | 1[ ] | |
|  | very few to few | | |  | 2[ ] | |
|  | few | | | F257 | 3[ ] | |
|  | few to medium | | |  | 4[ ] | |
|  | medium | | | Dessert 73 (SC), F16 | 5[ ] | |
|  | medium to many | | |  | 6[ ] | |
|  | many | | | B73, Bonus (SC) | 7[ ] | |
|  | many to very many | | |  | 8[ ] | |
|  | very many | | |  | 9[ ] | |
| **5.14 (32)** | **Only varieties with ear type of grain: sweet or waxy: Ear: number of colors of grains** | | |  |  | |
|  | one | | | Jubilee (SC) | 1[ ] | |
|  | two | | | Eolrukchal-ilho, Serendipity (SC) | 2[ ] | |
|  | not applicable | | |  | [ ] | |
| **5.15 (33)** | **Only varieties with ear type of grain: sweet: Grain: intensity of yellow color** | | |  |  | |
|  | very light | | |  | 1[ ] | |
|  | very light to light | | |  | 2[ ] | |
|  | light | | | Gyöngymazsola (SC) | 3[ ] | |
|  | light to medium | | |  | 4[ ] | |
|  | medium | | | Royalty (SC) | 5[ ] | |
|  | medium to dark | | |  | 6[ ] | |
|  | dark | | | Kokanee (SC) | 7[ ] | |
|  | dark to very dark | | |  | 8[ ] | |
|  | very dark | | |  | 9[ ] | |
|  | not applicable | | |  | [ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.16 (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[ ] | |
|  | not applicable | | |  | [ ] | |
| **5.~~5~~ 17 (36)** | **Ear: type of grain** | | |  |  | |
|  | flint | | | F2 | 1 [ ] | |
|  | flint-like | | | F252 | 2 [ ] | |
|  | intermediate | | | F107 | 3 [ ] | |
|  | dent-like | | | A654 | 4 [ ] | |
|  | dent | | | W182E | 5 [ ] | |
|  | sweet | | | Jubilee (SC) | 6 [ ] | |
|  | pop | | | Iowa Pop (PC) | 7 [ ] | |
|  | waxy | | |  | 8 [ ] | |
|  | flour | | |  | 9 [ ] | |
| **5.18 (37)** | **Only varieties with ear type of grain: sweet: Ear: shrinkage of top of grain** | | |  | |  |
|  | weak | | | Zarja (SC) | | 1[ ] |
|  | weak to medium | | |  | | 2[ ] |
|  | medium | | | Merkur (SC) | | 3[ ] |
|  | medium to strong | | |  | | 4[ ] |
|  | strong | | | Dessert 73 (SC) | | 5[ ] |
|  | not applicable | | |  | | [ ] |
|  | Characteristics | | | Example Varieties | | Note |
| **5.19 (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~~ 20 (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 [ ] | |
|  | not applicable | | |  | [ ] | |
|  | Characteristics | | | Example Varieties | Note | |
| **5.~~7~~ 21 (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 [   ] |
|  | | not applicable |  | [   ] |
| |  | | --- | | **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 |
| **5.7 (12)** | | |  | | --- | | **Leaf: hue of anthocyanin coloration** | |  |  |
|  | | reddish | Lollo rossa | |  | | --- | | 1 [   ] | |
|  | | purplish | Iride | |  | | --- | | 2 [   ] | |
|  | | brownish | Luana, Maravilla de Verano | |  | | --- | | 3 [   ] | |
|  | | not applicable |  | [   ] |
| **5.8 (13)** | | **Leaf: area covered by anthocyanin coloration** |  |  |
|  | | very small | Steirer Krauthauptel | |  | | --- | | 1 [   ] | |
|  | | very small to small |  | |  | | --- | | 2 [   ] | |
|  | | small | Diablo | |  | | --- | | 3 [   ] | |
|  | | small to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Luana | |  | | --- | | 5 [   ] | |
|  | | medium to large |  | |  | | --- | | 6 [   ] | |
|  | | large | Merveille des quatre saisons | |  | | --- | | 7 [   ] | |
|  | | large to very large |  | |  | | --- | | 8 [   ] | |
|  | | very large | Bijou, Revolution | |  | | --- | | 9 [   ] | |
|  | | not applicable |  | [   ] |
| **5.9 (14)** | | **Leaf: color** |  |  |
|  | | green | Verpia | |  | | --- | | 1 [   ] | |
|  | | yellowish green | Dorée de printemps | |  | | --- | | 2 [   ] | |
|  | | greyish green | Celtuce, Du bon jardinier | |  | | --- | | 3 [   ] | |
| |  | | --- | | **5.~~3~~ 10** |  |  | | --- | | **(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 [   ] | |
|  | | Characteristics | Example Varieties | Note |
| **5.11 (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 [   ] | |
| **5.12 (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 [   ] | |
| **5.13 (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 [   ] |
| **5.14 (25)** | | |  | | --- | | **Leaf: venation** | |  |  |
|  | | not flabellate | Verpia, Xanadu | |  | | --- | | 1 [   ] | |
|  | | semi-flabellate | Kibrille, Muraï | |  | | --- | | 2 [   ] | |
|  | | flabellate | Locarno, Roxette | |  | | --- | | 3 [   ] | |
|  | | Characteristics | Example Varieties | Note |
| **5.15 (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 [   ] |
|  | | not applicable |  | [   ] |
| **5.16 (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 [   ] | |
|  | | not applicable |  | [   ] |
| **5.17 (34)** | | **Only varieties with Plant: degree of overlapping of upper part of leaves: medium or strong: Time of harvest maturity** |  |  |
|  | | very early | Gotte jaune d'or | |  | | --- | | 1 [   ] | |
|  | | very early to early |  | |  | | --- | | 2 [   ] | |
|  | | early | Pantlika, Sucrine | |  | | --- | | 3 [   ] | |
|  | | early to medium |  | |  | | --- | | 4 [   ] | |
|  | | medium | Clarion | |  | | --- | | 5 [   ] | |
|  | | medium to late |  | |  | | --- | | 6 [   ] | |
|  | | late | Blonde maraîchère, Calmar | |  | | --- | | 7 [   ] | |
|  | | late to very late |  | |  | | --- | | 8 [   ] | |
|  | | very late | El Toro, Pinokkio | 9 [   ] |
|  | | not applicable |  | [   ] |

|  |  |  |  |  |  |  |  |
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| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | | | | | |
|  | | | | |
|  | Characteristics | Example Varieties | Note |
| |  | | --- | | **5.~~4~~ 18** | | **(35)** | | |  | | --- | | **Time of beginning of bolting** | |  |  |
|  | |  | | --- | | very early | | |  | | --- | | Blonde à couper améliorée | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | very early to early | | |  | | --- | |  | | |  | | --- | | 2 [   ] | |
|  | |  | | --- | | early | | |  | | --- | | Gotte à graine blanche | | |  | | --- | | 3 [   ] | |
|  | |  | | --- | | early to medium | | |  | | --- | |  | | |  | | --- | | 4 [   ] | |
|  | |  | | --- | | medium | | |  | | --- | | Pantlika | | |  | | --- | | 5 [   ] | |
|  | |  | | --- | | medium to late | | |  | | --- | |  | | |  | | --- | | 6 [   ] | |
|  | |  | | --- | | late | | |  | | --- | | Hilde II | | |  | | --- | | 7 [   ] | |
|  | |  | | --- | | late to very late | | |  | | --- | |  | | |  | | --- | | 8 [   ] | |
|  | |  | | --- | | very late | | |  | | --- | | Erika, Roxette | | |  | | --- | | 9 [   ] | |
| **5.19 (38)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 16EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.20 (39)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 17EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.21 (40)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 20EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.22 (41)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 21EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Argelès, Colorado | 9 [   ] |
|  | not tested |  | [   ] |
| **5.23 (42)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 22EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.24 (43)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 23EU** | |  |  |
|  | absent | Green Towers | 1 [   ] |
|  | present | Colorado | 9 [   ] |
|  | not tested |  | [   ] |
| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | | | | | |
|  | | | | |
|  | Characteristics | Example Varieties | Note |
| **5.25 (44)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 24EU** | |  |  |
|  | absent | Argelès, Colorado | 1 [   ] |
|  | present | Dandie, NunDm15, UCDm14 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.26 (45)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 25EU** | |  |  |
|  | absent | Colorado | 1 [   ] |
|  | present | Argelès | 9 [   ] |
|  | not tested |  | [   ] |
| **5.27 (46)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 26EU** | |  |  |
|  | absent | Colorado | 1 [   ] |
|  | present | Balesta, Bedford | 9 [   ] |
|  | not tested |  | [   ] |
| **5.28 (47)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 27EU** | |  |  |
|  | absent | Balesta, Colorado | 1 [   ] |
|  | present | FrRsal-1 | 9 [   ] |
|  | not tested |  | [   ] |
| **5.29 (48)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 29EU** | |  |  |
|  | absent | Argelès | 1 [   ] |
|  | present | Balesta | 9 [   ] |
|  | not tested |  | [   ] |
| **5.30 (49)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 30EU** | |  |  |
|  | absent | Argelès, Colorado | 1 [   ] |
|  | present | Balesta | 9 [   ] |
|  | not tested |  | [   ] |
| **5.31 (50)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 31EU** | |  |  |
|  | absent | Colorado, RYZ910457 | 1 [   ] |
|  | present | Argelès, Balesta | 9 [   ] |
|  | not tested |  | [   ] |
| **5.32 (51)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 33EU** | |  |  |
|  | absent | Kibrille, RYZ2164 | 1 [   ] |
|  | present | RYZ910457 | 9 [   ] |
|  | not tested |  | [   ] |

|  |  |  |  |  |  |  |  |
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| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | | | | | |
|  | | | | |
|  | Characteristics | Example Varieties | Note |
| **5.33 (52)** | |  | | --- | | **Resistance to *Bremia lactucae*(Bl) Isolate Bl: 35EU** | |  |  |
|  | absent | Design, Kibrille | 1 [   ] |
|  | present | Bartoli | 9 [   ] |
|  | not tested |  | [   ] |
| **5.34 (53)** | **Resistance to *Lettuce mosaic virus* (LMV) Pathotype II** |  |  |
|  | absent | Bijou, Hilde II, Sprinter, Sucrine | 1 [   ] |
|  | present | Capitan, Corsica | 9 [   ] |
|  | not tested |  | [   ] |
| **5.35 (54)** | |  | | --- | | **Resistance to *Nasonovia ribisnigri* (Nr) Biotype Nr: 0** | |  |  |
|  | absent | Abel, Green Towers, Nadine | 1 [   ] |
|  | present | Barcelona, Bedford, Dynamite, Silvinas | 9 [   ] |
|  | not tested |  | [   ] |
| **5.36 (55)** | **Resistance to Fusarium oxysporum f.sp. lactucae (Fol) Race 1** |  |  |
|  | susceptible | Cobham Green, Patriot | 1 [   ] |
|  | moderately resistant | Affic, Fuzila, Natexis | 2 [   ] |
|  | highly resistant | Costa Rica No. 4, Romasol | 3 [   ] |
|  | 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[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.6 (9)** | Root: ratio length/ width | | | |  | |  |
|  | very small | | | | Parijse Markt 2,  Parijse Markt 3, Parmex | | 1[ ] |
|  | very small to small | | | |  | | 2[ ] |
|  | small | | | | Courte améliorée à forcer | | 3[ ] |
|  | small to medium | | | |  | | 4[ ] |
|  | medium | | | | Chantenay | | 5[ ] |
|  | medium to large | | | |  | | 6[ ] |
|  | large | | | | Nantaise améliorée 2, Nantaise améliorée 3 | | 7[ ] |
|  | large to very large | | | |  | | 8[ ] |
|  | very large | | | | Amsterdam 2 | | 9[ ] |
| **5.~~5~~ 7 (10)** | **Root: shape in longitudinal section** | | | |  | |  |
|  | circular | | | | Parijse Markt 2, Parijse Markt 3 | | 1[ ] |
|  | obovate | | | |  | | 2[ ] |
|  | medium obtriangular | | | | Chantenay,  De Colmar à cœur rouge 2 | | 3[ ] |
|  | narrow obtriangular | | | | Imperator,  De Colmar à cœur rouge 3 | | 4[ ] |
|  | narrow obtriangular to narrow oblong | | | | Maestro | | 5[ ] |
|  | narrow oblong | | | | Amsterdam 2, Berlikumer 2, Berlikumer 3,  Nantaise améliorée 5, Touchon | | 6[ ] |
| **5.~~6~~ 8 (12)** | Root: shape of shoulder | | | |  | |  |
|  | flat | | | | De Colmar à cœur rouge 2 | | 1[ ] |
|  | flat to rounded | | | | Parijse Markt 2 | | 2[ ] |
|  | rounded | | | |  | | 3[ ] |
|  | rounded to conical | | | |  | | 4[ ] |
|  | conical | | | | Touchon | | 5[ ] |
| **5.~~7~~ 9 (13)** | **Root: tip (when fully developed)** | | | |  | |  |
|  | blunt | | | | Berlikumer 3 | | 1[ ] |
|  | slightly pointed | | | | Mello Yello | | 2[ ] |
|  | strongly pointed | | | | Allred, Orbit | | 3[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~8~~ 10 (14)** | Root: external color | | | |  | |  |
|  | white | | | | White Satin | | 1[ ] |
|  | yellow | | | | Mello Yello | | 2[ ] |
|  | orange | | | | Bingo, Goliath, Karotan, Pinocchio, Tancar | | 3[ ] |
|  | pinkish red | | | | Nutri-red | | 4[ ] |
|  | red | | | | Pulsor | | 5[ ] |
|  | purple | | | | Purple Haze | | 6[ ] |
| **5.~~9~~ 11 (15)** | 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[ ] |
|  | not applicable | | | |  | | [   ] |
| **5.12 (16)** | **Root: anthocyanin coloration of skin of shoulder** | | | |  | |  |
|  | absent | | | | Trevor | | 1[ ] |
|  | present | | | | Touchon | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.13 (19)** | **Root: diameter of core relative to total diameter** | | | |  | |  |
|  | very small | | | | Amsterdam 2, Amsterdam 3, Tourino | | 1[ ] |
|  | very small to small | | | |  | | 2[ ] |
|  | small | | | | Nantaise améliorée 2, Nantaise améliorée 3 | | 3[ ] |
|  | small to medium | | | |  | | 4[ ] |
|  | medium | | | | Berlikumer 2, Berlikumer 3 | | 5[ ] |
|  | medium to large | | | |  | | 6[ ] |
|  | large | | | | De Colmar à cœur rouge 2 | | 7[ ] |
|  | large to very large | | | |  | | 8[ ] |
|  | very large | | | | Giganta | | 9[ ] |
| **5.~~10~~ 14 (20)** | Root: color of core | | | |  | |  |
|  | white | | | | White Satin | | 1[ ] |
|  | yellow | | | | Jaune de Lobberich,  Pariser Markt | | 2[ ] |
|  | orange | | | | Nantaise améliorée 2,  Nantaise améliorée 3 | | 3[ ] |
|  | pinkish red | | | |  | | 4[ ] |
|  | red | | | | Nutri-red | | 5[ ] |
|  | purple | | | | Afghan purple, Black Deshi | | 6[ ] |
| **5.15 (22)** | Root: color of cortex | | | |  | |  |
|  | white | | | | White Satin | | 1[ ] |
|  | yellow | | | | Mellow Yello | | 2[ ] |
|  | orange | | | | Allred, Carlo | | 3[ ] |
|  | pinkish red | | | |  | | 4[ ] |
|  | red | | | | Nutri-red | | 5[ ] |
|  | purple | | | | Afghan purple, Black Deshi | | 6[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.16 (27)** | Varieties with blunt tip only: Root: time of development of rounded tip | | | |  | |  |
|  | very early | | | |  | | 1[ ] |
|  | very early to early | | | |  | | 2[ ] |
|  | early | | | | Touchon | | 3[ ] |
|  | early to medium | | | |  | | 4[ ] |
|  | medium | | | | Nantaise améliorée 2, Nantaise améliorée 3, Tiana | | 5[ ] |
|  | medium to late | | | |  | | 6[ ] |
|  | late | | | | Bureau, Nantaise améliorée 7, Tancar | | 7[ ] |
|  | late to very late | | | |  | | 8[ ] |
|  | very late | | | |  | | 9[ ] |
|  | not applicable | | | |  | | [   ] |
| **5.17 (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 |
| **5.18 (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~~ 19 (31) | Plants: proportion of male sterile plants | | | |  | |  |
|  | absent or very low | | | | Nantaise améliorée 2, Touchon | | 1[ ] |
|  | intermediate | | | |  | | 2[ ] |
|  | high | | | | Nanco, Tino | | 3[ ] |
| 5.~~12~~ 20 (32) | Plant: type of male sterility | | | |  | |  |
|  | brown anther | | | | Nanco | | 1[ ] |
|  | petaloid anther | | | | Tino | | 2[ ] |

[Annex IV follows]

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

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

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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 (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 (7)** | **Petiole: length** | | | |  | |  |
|  | very short | | | |  | | 1[ ] |
|  | very short to short | | | |  | | 2[ ] |
|  | short | | | | Imola, Mystic | | 3[ ] |
|  | short to medium | | | |  | | 4[ ] |
|  | medium | | | | Butterflay, Giraffe | | 5[ ] |
|  | medium to long | | | |  | | 6[ ] |
|  | long | | | | Grappa, Resistoflay | | 7[ ] |
|  | long to very long | | | |  | | 8[ ] |
|  | very long | | | |  | | 9[ ] |
| **5.6 (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~~ 7 (11)** | Leaf blade: shape of apex | | | |  | |  |
|  | acute | | | | Grappa, Rhythm | | 1[ ] |
|  | obtuse | | | | Resistoflay | | 2[ ] |
|  | rounded | | | | Imola, Nores | | 3[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~4~~ 8 (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~~ 9 (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~~ 10 (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~~ 11 (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[ ] |
| **5.12 (18.1)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 1** | | | |  | |  |
|  | absent | | | | Viroflay, Winterreuzen | | 1 [   ] |
|  | present | | | | Califlay, Resistoflay | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.13 (18.2)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 2** | | | |  | |  |
|  | absent | | | | Califlay | | 1 [   ] |
|  | present | | | | Resistoflay | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.14 (18.3)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 3** | | | |  | |  |
|  | absent | | | | Resistoflay | | 1 [   ] |
|  | present | | | | Califlay, Clermont | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.15 (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 |
| **5.16 (18.5)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 5** | | | |  | |  |
|  | absent | | | | Clermont | | 1 [   ] |
|  | present | | | | Califlay, Campania | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.17 (18.6)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 6** | | | |  | |  |
|  | absent | | | | Califlay, Campania | | 1 [   ] |
|  | present | | | | Boeing | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.18 (18.7)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 7** | | | |  | |  |
|  | absent | | | | Califlay | | 1 [   ] |
|  | present | | | | Campania | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.19 (18.8)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 8** | | | |  | |  |
|  | absent | | | | Boeing, Campania | | 1 [   ] |
|  | present | | | | Lazio, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.20 (18.9)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 10** | | | |  | |  |
|  | absent | | | | Boeing, Campania, Lion | | 1 [   ] |
|  | present | | | | Lazio | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.21 (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 |
| **5.22 (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 | | | |  | | [   ] |
| **5.23 (18.12)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 13** | | | |  | |  |
|  | absent | | | | Campania | | 1 [   ] |
|  | present | | | | Boeing, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.24 (18.13)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 14** | | | |  | |  |
|  | absent | | | | Campania, Pigeon | | 1 [   ] |
|  | present | | | | Califlay, Lion | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.25 (18.14)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 15** | | | |  | |  |
|  | absent | | | | Caladonia | | 1 [   ] |
|  | present | | | | Pigeon | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.26 (18.15)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 16** | | | |  | |  |
|  | absent | | | | Meerkat | | 1 [   ] |
|  | present | | | | Caladonia | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.27 (18.16)** | **Resistance to *Peronospora farinosa* f. sp. *spinaciae* (Pfs) Race Pfs: 17** | | | |  | |  |
|  | absent | | | | Pigeon | | 1 [   ] |
|  | present | | | | Hydrus | | 9 [   ] |
|  | not tested | | | |  | | [   ] |
| **5.28 (19)** | **Resistance to Cucumber mosaic virus (CMV)** | | | |  | |  |
|  | absent | | | | Polka | | 1 [   ] |
|  | present | | | | Symphony | | 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 [ ] |
| **5.3 (5)** | Leaf blade: length | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Adam | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Briljant | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Corona | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | |  | 9[ ] |
| **5.4 (8)** | Leaf blade: intensity of green color | | |  |  |
|  | very light | | |  | 1[ ] |
|  | very light to light | | |  | 2[ ] |
|  | light | | | De Russie | 3[ ] |
|  | light to medium | | |  | 4[ ] |
|  | medium | | | Rocket GS, Stereo | 5[ ] |
|  | medium to dark | | |  | 6[ ] |
|  | dark | | | Marketmore, Sandra,  Tokyo Slicer | 7[ ] |
|  | dark to very dark | | |  | 8[ ] |
|  | very dark | | | Akito | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~2~~ 5 (13)** | Plant: sex expression | | |  |  |
|  | monoecoius | | | Hokus | 1 [ ] |
|  | subgynoecious | | | Toska 70 | 2 [ ] |
|  | gynoecious | | | Farbio, Sandra, Wilma | 3 [ ] |
|  | hermaphrodytic | | | Sunsweet | 4 [ ] |
| **5.6 (14)** | Plant: number of female flowers per node | | |  |  |
|  | predominantly one | | | Dasher, Faraón | 1[ ] |
|  | predominantly one or two | | | Brunex, Marumba | 2[ ] |
|  | predominantly two | | | Corona | 3[ ] |
|  | predominantly two or three | | | Tempo | 4[ ] |
|  | predominantly three or four | | | Tornac | 5[ ] |
|  | predominantly four or five | | | Melody | 6[ ] |
|  | predominantly more than five | | | Olympos | 7[ ] |
| **5.~~3~~ 7 (15)** | Ovary: color of vestiture | | |  |  |
|  | white | | | Jazzer | 1 [ ] |
|  | black | | | Vert petit de Paris | 2 [ ] |
| **5.~~4~~ 8 (16)** | Parthenocarpy | | |  |  |
|  | absent | | | Toska 70 | 1 [ ] |
|  | present | | | Farbio, Rocket GS, Sandra, Wilma | 9 [ ] |
| **5.4 9 (17)** | Fruit: length | | |  |  |
|  | very short | | | De Russie, Sunsweet | 1[ ] |
|  | 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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.10 (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~~ 11 (22)** | Fruit: shape of stem end | | |  |  |
|  | necked | | | Sandra, Tasty Green | 1 [ ] |
|  | acute | | | De Massy | 2 [ ] |
|  | obtuse | | | Maram, Score | 3 [ ] |
| **5.12 (23)** | Only necked varieties: Fruit: length of neck | | |  |  |
|  | very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Saskia | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Corona, Telepathy | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Kamaron | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | | Tasty Green | 9[ ] |
|  | not applicable | | |  | [ ] |
| **5.~~7~~ 13 (25)** | Fruit: ground color of skin at market stage | | |  |  |
|  | white | | | Bonneuil | 1 [ ] |
|  | yellow | | | Gele Tros | 2 [ ] |
|  | green | | | Corona | 3 [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.14 (26)** | Excluding white varieties: Fruit: intensity of ground color of skin (as for 25) | | |  |  |
|  | 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[ ] |
|  | not applicable | | |  | [ ] |
| **5.15 (27)** | Fruit: ribs | | |  |  |
|  | absent or weak | | | Darius, Diana | 1[ ] |
|  | medium | | | Sprint | 2[ ] |
|  | strong | | | Vert petit de Paris | 3[ ] |
| **5.16 (29)** | Fruit: creasing | | |  |  |
|  | absent | | | Jazzer | 1[ ] |
|  | present | | | Corona, Nabil | 9[ ] |
| **5.17 (30)** | Fruit: degree of creasing | | |  |  |
|  | very weak | | | Silor | 1[ ] |
|  | very weak to weak | | |  | 2[ ] |
|  | weak | | | Nabil | 3[ ] |
|  | weak to medium | | |  | 4[ ] |
|  | medium | | | Corona, Galileo | 5[ ] |
|  | medium to strong | | |  | 6[ ] |
|  | strong | | | Grizzly | 7[ ] |
|  | strong to very strong | | |  | 8[ ] |
|  | very strong | | | Suyo Long | 9[ ] |
|  | not applicable | | |  | [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~8~~ 18 (31)** | Fruit: type of vestiture | | |  |  |
|  | hairs only | | | Silor | 1 [ ] |
|  | hairs and prickles | | | De Bourbonne, De Massy | 2 [ ] |
|  | prickles only | | | Corona, Jazzer | 3 [ ] |
| **5.19 (32)** | Fruit: density of vestiture | | |  |  |
|  | very sparse | | | Vert petit de Paris | 1[ ] |
|  | very sparse to sparse | | |  | 2[ ] |
|  | sparse | | |  | 3[ ] |
|  | sparse to medium | | |  | 4[ ] |
|  | medium | | | Tasty Green | 5[ ] |
|  | medium to dense | | |  | 6[ ] |
|  | dense | | | Silor, Suyo Long | 7[ ] |
|  | dense to very dense | | |  | 8[ ] |
|  | very dense | | | Moneta, Parmel | 9[ ] |
| **5.20 (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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.21 (36)** | Fruit: length of stripes | | |  |  |
|  | absent or very short | | |  | 1[ ] |
|  | very short to short | | |  | 2[ ] |
|  | short | | | Astrea | 3[ ] |
|  | short to medium | | |  | 4[ ] |
|  | medium | | | Breso | 5[ ] |
|  | medium to long | | |  | 6[ ] |
|  | long | | | Pioneer, Tokyo Slicer | 7[ ] |
|  | long to very long | | |  | 8[ ] |
|  | very long | | | Suyo Long | 9[ ] |
| **5.22 (37)** | Fruit: dots | | |  |  |
|  | absent | | | Sensation | 1[ ] |
|  | present | | | Delicatesse, Hanpaku‑Fushinari, Sagami‑Fanpaku,  White Sun | 9[ ] |
| **5.~~9~~ 23 (44)** | Resistance to *Cladosporium cucumerinum* (Ccu) | | |  |  |
|  | absent | | | Cherubino, Frontera, Pepinex 69 | 1[ ] |
|  | present | | | Corona, Marketmore 76, Sheila | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.~~10~~ 24 (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~~ 25 (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 |
| **5.26 (47)** | Resistance to Downy mildew (*Pseudoperonospora cubensis*) (Pcu) | | |  |  |
|  | absent | | | Pepinex 69, Wisconsin | 1[ ] |
|  | present | | | Poinsett 76 | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.~~12~~ 27 (48)** | Resistance to Corynespora blight and target leaf pot  (*Corynespora cassiicola*) (Cca) | | |  |  |
|  | absent | | | Bodega, Pepinova | 1 [ ] |
|  | present | | | Corona, Cumlaude | 9 [ ] |
|  | not tested | | |  | [ ] |
| **5.~~13~~ 28 (49)** | Resistance to *Cucumber vein yellowing virus* (CVYV) | | |  |  |
|  | absent | | | Corinda, Corona, Ventura | 1 [ ] |
|  | present | | | Dina, Summerstar, Tornac | 9 [ ] |
|  | not tested | | |  | [ ] |
| **5.29 (50)** | Resistance to *Zucchini yellow mosaic virus* (ZYMV) | | |  |  |
|  | absent | | | Corona, Hilton, Ventura | 1 [ ] |
|  | present | | | Dina, Summerstar, Thunder | 9 [ ] |
|  | not tested | | |  | [ ] |
| **5.30 (51)** | Resistance to *Cucurbit yellow stunting disorder virus* (CYSDV) | | |  |  |
|  | absent | | | Burgos, Castro, Corona | 1 [ ] |
|  | present | | | Atalaya, Fortyca | 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.

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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 (13)** | **Young fruit: hue of green color of skin** |  |  |
|  | whitish green | Geasol | 1[ ] |
|  | yellowish green | Fimel | 2[ ] |
|  | green | Lucas | 3[ ] |
|  | greyish green | Spanglia | 4[ ] |
| **5.3 (14)** | **Young fruit: intensity of green color of skin** |  |  |
|  | very light | Solarking | 1[ ] |
|  | very light to light |  | 2[ ] |
|  | light | Fimel | 3[ ] |
|  | light to medium |  | 4[ ] |
|  | medium | Eros | 5[ ] |
|  | medium to dark |  | 6[ ] |
|  | dark | Galia | 7[ ] |
|  | dark to very dark |  | 8[ ] |
|  | very dark | Edén | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.4 (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[ ] |
| **5.5 (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~~ 6 (28)** | **Fruit: shape in longitudinal section** |  |  |
|  | ovate | De Cavaillon, Piolín | 1[ ] |
|  | medium elliptic | Piel de Sapo | 2[ ] |
|  | broad elliptic | Corin, Sardo | 3[ ] |
|  | circular | Alpha, Galia | 4[ ] |
|  | quadrangular | Zatta | 5[ ] |
|  | oblate | Jívaro, Noir de Carmes | 6[ ] |
|  | obovate | Cganchi | 7[ ] |
|  | elongated | Alficoz, Banana | 8[ ] |
| **5.~~3~~ 7 (29)** | **Fruit: ground color of skin** |  |  |
|  | white | Albino, Honey Dew | 1[ ] |
|  | yellow | Amarillo-Canario, Edén, Galia, Passport, Solarking | 2[ ] |
|  | green | Gohyang, Piel de Sapo | 3[ ] |
|  | grey | Geaprince, Geamar, Romeo, Sirio, Supporter, Védrantais | 4[ ] |
| **5.8 (31)** | **Fruit: hue of ground color of skin** |  |  |
|  | absent or very weak | Amarillo-Canario, Albino, Piel de Sapo, Sirio | 1[ ] |
|  | whitish | Romeo | 2[ ] |
|  | yellowish | Geaprince, Supporter | 3[ ] |
|  | orange | Edén | 4[ ] |
|  | ochre | Passport | 5[ ] |
|  | greenish | Geamar, Honey Dew, Solarking | 6[ ] |
|  | greyish | Gohyang | 7[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.9 (32)** | **Fruit: density of dots** |  |  |
|  | absent or very sparse | Charentais | 1[ ] |
|  | very sparse |  | 2[ ] |
|  | sparse |  | 3[ ] |
|  | sparse to medium |  | 4[ ] |
|  | medium | Petit Gris de Rennes | 5[ ] |
|  | medium to dense |  | 6[ ] |
|  | dense | Piel de Sapo | 7[ ] |
|  | dense to very dense |  | 8[ ] |
|  | very dense | Albino | 9[ ] |
| **5.~~4~~ 10 (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~~ 11 (38)** | **Fruit: warts** |  |  |
|  | absent | Piel de Sapo | 1[ ] |
|  | present | Zatta | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| --- | --- | --- | --- |
| **5.~~6~~ 12 (43)** | **Fruit: grooves** |  |  |
|  | absent or very weakly expressed | Piel de Sapo, Arava | 1[ ] |
|  | weakly expressed | Total, Hobby | 2[ ] |
|  | strongly expressed | Védrantais, Galia | 3[ ] |
| **5.13 (45)** | **Fruit: depth of grooves** |  |  |
|  | very shallow | Amber | 1[ ] |
|  | very shallow to shallow |  | 2[ ] |
|  | shallow | Galia | 3[ ] |
|  | shallow to medium |  | 4[ ] |
|  | medium | Alpha | 5[ ] |
|  | medium to deep |  | 6[ ] |
|  | deep | Panamá, Supermarket | 7[ ] |
|  | deep to very deep |  | 8[ ] |
|  | very deep | Noir des Carmes,  Sucrin de Tours | 9[ ] |
| **5.14 (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~~ 15 (48)** | **Fruit: cork formation** |  |  |
|  | absent | Alpha | 1[ ] |
|  | present | Dalton | 9[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.16 (49)** | **Fruit: thickness of cork layer** |  |  |
|  | very thin | Amarillo Oro | 1[ ] |
|  | very thin to thin |  | 2[ ] |
|  | thin | Riosol, Védrantais | 3[ ] |
|  | thin to medium |  | 4[ ] |
|  | medium | Marina | 5[ ] |
|  | medium to thick |  | 6[ ] |
|  | thick | Geamar, PMR 45 | 7[ ] |
|  | thick to very thick |  | 8[ ] |
|  | very thick | Honey Rock, Perlita | 9[ ] |
| **5.~~8~~ 17 (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[ ] |
| **5.~~9~~ 18 (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[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.~~10~~ 19 (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~~ 20 (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[ ] |
| **5.21 (62)** | **Seed: shape** |  |  |
|  | not pine-nut shape | Toledo | 1[ ] |
|  | pine-nut shape | Piel de Sapo | 2[ ] |
| **5.~~12~~ 22 (63)** | **Seed: color** |  |  |
|  | whitish | Amarillo Oro s.b. | 1[ ] |
|  | cream yellow | Galia, Piel de Sapo | 2[ ] |

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|  | Characteristics | Example Varieties | Note |
| **5.23 (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[ ] |
| **5.24 (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[ ] |
| **5.25 (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~~ 26 (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~~ 27 (69.1)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis –* Race 0** |  |  |
|  | absent | Jaune Canari 2 | 1[ ] |
|  | present | Jador, Védrantais | 9[ ] |
| **5.~~15~~ 28 (69.2)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis -* Race 1** |  |  |
|  | absent | Jaune Canari 2, Védrantais | 1[ ] |
|  | present | Arapaho, Jador, Rubbens | 9[ ] |
| **5.~~16~~ 29 (69.3)** | **Resistance to *Fusarium oxysporum* f. sp. *melonis -* Race 2** |  |  |
|  | absent | Arapaho,  Jaune Canari 2, Rubbens | 1[ ] |
|  | present | Anasta, Cléo, Jador, Védrantais, | 9[ ] |
| **5.30 (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 |
| **5.31 (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 |  | [ ] |
| **5.32 (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 |  | [ ] |
| **5.33 (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 |  | [ ] |
| **5.34 (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 |  | [ ] |
| **5.35 (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 |
| **5.36 (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 |  | [ ] |
| **5.37 (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 |  | [ ] |
| **5.38 (73)** | **Resistance to *Zucchini yellow mosaic virus* (ZYMV)** |  |  |
|  | absent | Cardillo, Généris, Jador, Védrantais | 1[ ] |
|  | present | Hannah’s Choice, Lunaduke | 9[ ] |
|  | not tested |  | [ ] |
| **5.39 (74.1)** | **Resistance to *Papaya ringspot virus* (PRSV) - Guadeloupe strain** |  |  |
|  | absent | Védrantais | 1[ ] |
|  | present | Hannah’s Choice | 9[ ] |
|  | not tested |  | [ ] |
| **5.40 (74.2)** | **Resistance to *Papaya ringspot virus* (PRSV) - E2 strain** |  |  |
|  | absent | Hannah’s Choice, Védrantais | 1[ ] |
|  | present | WMR29 | 9[ ] |
|  | not tested |  | [ ] |
| **5.41 (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 |
| **5.42 (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.

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|  | | |  | | |  | | | |
| 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 (8)** | | | **Stem: color** | | |  | | |  |
|  | | | completely green | | | Becky | | | 1[ ] |
|  | | | partly green and partly yellow | | | Autumn Gold | | | 2[ ] |
| **5.5 (9)** | | | **Stem: intensity of green color** | | |  | | |  |
|  | | | very light | | | Maayan | | | 1[ ] |
|  | | | very light to light | | |  | | | 2[ ] |
|  | | | light | | | Bianchini | | | 3[ ] |
|  | | | light to medium | | |  | | | 4[ ] |
|  | | | medium | | | Cinderella | | | 5[ ] |
|  | | | medium to dark | | |  | | | 6[ ] |
|  | | | dark | | | Greyzini | | | 7[ ] |
|  | | | dark to very dark | | |  | | | 8[ ] |
|  | | | very dark | | | Goldrush | | | 9[ ] |
| **5.6 (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~~ 7  (15)** | | | **Leaf blade: silvery patches** | | |  | | |  |
|  | | | absent | | | Black Forest, Scallopini | | | 1[ ] |
|  | | | present | | | Civac | | | 9[ ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.8 (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[ ] |
| **5.9 (17)** | | | **Petiole: length** | | |  | | |  |
|  | | | very short | | |  | | | 1[ ] |
|  | | | very short to short | | |  | | | 2[ ] |
|  | | | short | | | Jack be Little, Karioka | | | 3[ ] |
|  | | | short to medium | | |  | | | 4[ ] |
|  | | | medium | | | Goldi | | | 5[ ] |
|  | | | medium to long | | |  | | | 6[ ] |
|  | | | long | | | Autumn Gold, Baikal | | | 7[ ] |
|  | | | long to very long | | |  | | | 8[ ] |
|  | | | very long | | |  | | | 9[ ] |
| **5.10 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.11 (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[ ] |
| **5.12 (12)** | | | **Only varieties with green color of skin: Young fruit: intensity of green color of skin (as for 27)** | | |  | | |  |
|  | | | very light | | | Clarita, Goya, Patty Green Tint | | | 1[ ] |
|  | | | very light to light | | |  | | | 2[ ] |
|  | | | light | | | Arlika | | | 3[ ] |
|  | | | light to very light | | |  | | | 4[ ] |
|  | | | medium | | | Baccara | | | 5[ ] |
|  | | | medium to dark | | |  | | | 6[ ] |
|  | | | dark | | | Arlesa, Sandra, Zefira | | | 7[ ] |
|  | | | dark to very dark | | |  | | | 8[ ] |
|  | | | very dark | | | Carnaval, Corsair | | | 9[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.13 (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[ ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.14 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.15 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.16 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.17 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.18 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.19 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.20 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.21 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.22 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.23 (46)** | | | Fruit: grooves | | |  | | |  |
|  | | | absent | | |  | | | 1[ ] |
|  | | | present | | |  | | | 9[ ] |
| **5.~~5~~ 24 (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[ ] |
| **5.25 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.26 (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[ ] |
|  | | | not applicable | | |  | | | [   ] |
| **5.27 (54)** | | | Fruit: stripes in grooves | | |  | | |  |
|  | | | absent | | | Baby Bear, Jack Be Little | | | 1[ ] |
|  | | | present | | | Delicata, Heart of Gold,  Pâtisson jaune panaché de vert | | | 9[ ] |
| **5.28 (57)** | | | Fruit: dots | | |  | | |  |
|  | | | absent | | | Sunburst | | | 1[ ] |
|  | | | present | | | Gold Rush, Table Queen | | | 9[ ] |
| **5.29 (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[ ] |
| **5.30 (61)** | | | Fruit: distribution of secondary green color between ribs | | |  | | |  |
|  | | | sparse patches | | | Greyzini, Elite | | | 1[ ] |
|  | | | dense patches | | | Steierischer Ölkürbis | | | 2[ ] |
|  | | | one colored stripes | | | Altea | | | 3[ ] |
|  | | | two colored stripes | | |  | | | 4[ ] |
|  | | | one colored bands covering the whole surface | | | Badger Cross, Twickers, Zubi | | | 5[ ] |
|  | | | two colored bands covering the whole surface | | | Beatrice | | | 6[ ] |
|  | | | Characteristics | | | Example Varieties | | | Note |
| **5.31 (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[ ] |
| **5.32 (71)** | | | Ripe fruit: secondary color of skin (as for 69) | | |  | | |  |
|  | | | whitish | | |  | | | 1[ ] |
|  | | | cream | | |  | | | 2[ ] |
|  | | | yellow | | |  | | | 3[ ] |
|  | | | orange | | |  | | | 4[ ] |
|  | | | green | | |  | | | 5[ ] |
| **5.33 (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 (20)** | **Fruit: main color of stripes** | | |  |  |
|  | yellow | | |  | 1[ ] |
|  | very light green | | |  | 2[ ] |
|  | light green | | |  | 3[ ] |
|  | medium green | | |  | 4[ ] |
|  | dark green | | |  | 5[ ] |
|  | very dark green | | |  | 6[ ] |
| **5.9 (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~~ 10 (22)** | **Fruit: margin of stripes** | | |  |  |
|  | diffuse | | | Crimson Glory, Crisby | 1[ ] |
|  | medium | | | Crimson Sweet | 2[ ] |
|  | sharp | | | Jenny, Jubilee | 3[ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.11 (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[ ] |
| **5.~~7~~ 12 (28)** | **Fruit: main color of flesh** | | |  |  |
|  | white | | | SP 4, SP 1,Yamato Cream 3 | 1[ ] |
|  | yellow | | | Napsugár, Yamato Cream 1 | 2[ ] |
|  | orange | | | Kahô, Tendersweet | 3[ ] |
|  | pink | | | Sadul | 4[ ] |
|  | pinkish red | | | Bingo, Crimson Sweet | 5[ ] |
|  | red | | | Asahi Miyako Hybrid, Sugar Baby, Topgun | 6[ ] |
|  | dark red | | | Dixie Lee | 7[ ] |
| **5.13 (29)** | **Only triploid varieties: Seed coat: size** | | |  |  |
|  | small | | | Petite Perfection | 2[ ] |
|  | medium | | | Boston, Valdoria,  Sweet Sun | 3[ ] |
|  | large | | | Ortal, Tigre, Pasion | 4[ ] |
|  | not applicable | | |  | [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.~~8~~ 14 (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[ ] |
|  | not applicable | | |  | [   ] |
| **5.~~9~~ 15 (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[ ] |
|  | not applicable | | |  | [   ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.16 (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[ ] |
| **5.17 (37.1)** | **Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 0** | | |  |  |
|  | absent | | | Kahô, Sugar Baby | 1[ ] |
|  | present | | | Calhoun Gray, Charleston Gray | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.18 (37.2)** | **Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 1** | | |  |  |
|  | absent | | | Charleston Gray, Kahô, Sugar Baby | 1[ ] |
|  | present | | | Calhoun Gray | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.19 (37.3)** | **Resistance to *Fusarium oxysporum* f.sp. *niveum –* Race 2** | | |  |  |
|  | absent | | | Calhoun Gray, Kahô | 1[ ] |
|  | present | | | PI 296341-FR | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.20 (38.1)** | **Resistance to *Colletotrichum orbiculare* – Race 1** | | |  |  |
|  | absent | | | Black Diamond, Calhoun Gray, Kahô | 1[ ] |
|  | present | | | Charleston Gray, Congo, Jubilee | 9[ ] |
|  | not tested | | |  | [ ] |

[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[ ] |
| 5.2 (8) | Leaf: intensity of green color | | |  |  |
|  | very light | | |  | 1[ ] |
|  | very light to light | | |  | 2[ ] |
|  | light | | |  | 3[ ] |
|  | light to medium | | |  | 4[ ] |
|  | medium | | |  | 5[ ] |
|  | medium to dark | | |  | 6[ ] |
|  | dark | | | Maxifort | 7[ ] |
|  | dark to very dark | | |  | 8[ ] |
|  | very dark | | |  | 9[ ] |
| 5.~~1~~ 3 (11) | Fruit: green shoulder | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Big Force, Maxifort | 9[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.4 (14) | Fruit: conspicuousness of meridian stripes | | |  |  |
|  | very weak | | | He Wolf | 1[ ] |
|  | weak | | | Popeye | 2[ ] |
|  | medium | | | Body | 3[ ] |
|  | strong | | | Vigomax | 4[ ] |
|  | very strong | | |  | 5[ ] |
| 5.5 (16) | Fruit: size | | |  |  |
|  | not developed or very small | | | RT303 | 1[ ] |
|  | very small to small | | |  | 2[ ] |
|  | small | | | Body, Optifort | 3[ ] |
|  | small to medium | | |  | 4[ ] |
|  | medium | | | Emperador | 5[ ] |
|  | medium to large | | |  | 6[ ] |
|  | large | | | Titron | 7[ ] |
|  | large to very large | | |  | 8[ ] |
|  | very large | | |  | 9[ ] |
| 5.~~2~~ 6 (17) | Fruit: shape in longitudinal section | | |  |  |
|  | broad oblate | | | He-Wolf | 1[ ] |
|  | narrow oblate | | | Gladiator | 2[ ] |
|  | circular | | | Maxifort | 3[ ] |
|  | obovate | | |  | 4[ ] |
| 5.~~3~~ 7 (18) | **Fruit: number of locules** | | |  |  |
|  | only two | | | Maxifort | 1[ ] |
|  | two and three | | |  | 2[ ] |
| 5.~~4~~ 8 (19) | Fruit: color at maturity | | |  |  |
|  | green | | | Big Force | 1[ ] |
|  | yellowish | | | Vigomax | 2[ ] |
|  | orangish | | | Titron | 3[ ] |
|  | reddish | | | Brigeor | 4[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.9 (21) | Autonecrosis | | |  |  |
|  | absent | | | Maxifort | 1[ ] |
|  | present | | | Body | 9[ ] |
| **5.~~5~~ 10 (22)** | **Resistance to *Meloidogyne incognita* (Mi)** | | |  |  |
|  | susceptible | | | Bruce | 1[ ] |
|  | moderately resistant | | |  | 2[ ] |
|  | highly resistant | | | Emperador | 3[ ] |
| **5.~~6~~ 11 (23)** | **Resistance to *Verticillium* sp*.* (Va and Vd) *-* Race 0** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Big Power | 9[ ] |
| **5.~~8~~ 12 (24)** | **Resistance to *Fusarium oxysporum* f. sp*. lycopersici* (Fol) - Race 0EU/1US** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.~~9~~ 13 (24.2)** | **Resistance to *Fusarium oxysporum* f. sp*. lycopersici* (Fol) - Race 1EU/2US** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.~~10~~ 14 (24.3)** | **Resistance to *Fusarium oxysporum* f. sp*. lycopersici* (Fol) - Race 2EU/3US** | | |  |  |
|  | absent | | | Emperador | 1[ ] |
|  | present | | | Colosus | 9[ ] |
| **5.~~11~~ 15 (25)** | **Resistance to** ***Fusarium oxysporum* f. sp*. radicis-lycopersici* (Forl)** | | |  |  |
|  | absent | | | Kemerit | 1[ ] |
|  | present | | | Emperador | 9[ ] |
| **5.16 (26.1)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Race 0** | | |  |  |
|  | absent | | | King Kong | 1[ ] |
|  | present | | | Bruce | 9[ ] |
|  | not tested | | |  | [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.17 (26.2)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group A** | | |  |  |
|  | absent | | | King Kong | 1[ ] |
|  | present | | | Big Power | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.18 (26.3)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group B** | | |  |  |
|  | absent | | | King Kong | 1[ ] |
|  | present | | | Bruce | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.19 (26.4)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group C** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Big Power | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.20 (26.5)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group D** | | |  |  |
|  | absent | | | King Kong | 1[ ] |
|  | present | | | Bruce | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.21 (26.6)** | **Resistance to *Fulvia fulva* (Ff) (ex *Cladosporium fulvum*) – Group E** | | |  |  |
|  | absent | | | Bruce, King Kong | 1[ ] |
|  | present | | | Big Power | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.22 (27.1)** | **Resistance to Tomato mosaic virus (ToMV) – Strain 0** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.23 (27.2)** | **Resistance to Tomato mosaic virus (ToMV) – Strain 1** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
|  | not tested | | |  | [ ] |
|  | Characteristics | | | Example Varieties | Note |
| **5.24 (27.3)** | **Resistance to Tomato mosaic virus (ToMV) – Strain 2** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.25 (28)** | **Resistance to *Pyrenochaeta lycopersici* (Pl)** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Emperador | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.26 (29)** | **Resistance to *Stemphylium* spp. (Ss)** | | |  |  |
|  | absent | | | Big Power | 1[ ] |
|  | present | | | Body | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.27 (30)** | **Resistance to Tomato yellow leaf curl virus (TYLCV)** | | |  |  |
|  | absent | | | Big Power | 1[ ] |
|  | present | | |  | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.28 (31)** | **Resistance to Tomato spotted wilt virus (TSWV)** | | |  |  |
|  | absent | | | Emperador | 1[ ] |
|  | present | | | Enpower | 9[ ] |
|  | not tested | | |  | [ ] |
| **5.29 (32)** | **Resistance to *Oidium neolycopersici* (On)** | | |  |  |
|  | absent | | |  | 1[ ] |
|  | present | | | Multifort | 9[ ] |
|  | not tested | | |  | [ ] |

[Annex X follows]

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

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

| TECHNICAL QUESTIONNAIRE | | Page {x} of {y} | Reference Number: | | |
| --- | --- | --- | --- | --- | --- |
|  | |  |  | | |
| 5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | | | |
|  | Characteristics | | | Example Varieties | Note |
| 5.1 (1) | Plant: growth type | | |  |  |
|  | miniature | | |  | 1[ ] |
|  | dwarf | | | Korverlandus (G) | 2[ ] |
|  | bed | | | Taneidol (G) | 3[ ] |
|  | shrub | | | Kolmag (G) | 4[ ] |
|  | climber | | | Noasafa (G) | 5[ ] |
|  | ground cover | | | Meifafio (G) | 6[ ] |
| **5.2 (6)** | 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[ ] |
| **5.3 (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[ ] |
|  | Characteristics | | | Example Varieties | Note |
| 5.~~2~~ 4 (21) | Flower: type | | |  |  |
|  | single | | | Noastrauss (G) | 1[ ] |
|  | semi-double | | | Poulfiry (G); Poulnil (P) | 2[ ] |
|  | double | | | TAN97103 (G); Korlobea (P) | 3[ ] |
| 5.5 (22) | Flower: number of petals | | |  |  |
|  | 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~~ 6 (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.~~4~~ 7 (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[ ] |
| 5.8 (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[ ] |
| 5.9 (30) | Flower: fragrance | | |  |  |
|  | absent or weak | | | Predesplen (C); Ruimats (G); Evera107 (P) | 1[ ] |
|  | medium | | | Poulsolo (G); Korduftoro (P) | 2[ ] |
|  | strong | | | Tananilov (G) | 3[ ] |
| 5.~~5~~ 10 (40) | Petal: number of colors on inner side (basal spot excluded) | | |  |  |
|  | one | | | Selaurum (C), TAN98130 (G); Ruibrei (P) | 1[ ] |
|  | two | | | Baipeace (G); Delki (P) | 2[ ] |
|  | more than two | | | Delstrisang (G) | 3[ ] |
|  | Characteristics | | | Example Varieties | Note |
| ~~5.6 i (50)~~ | ~~Petal: main color on the outer side (only if clearly different from inner side)~~ | | |  |  |
|  | ~~RHS Colour Chart (indicate reference number)  .......................................................................................~~ | | |  |  |
| ~~5.6 ii (50)~~ | ~~Petal: main color on the outer side (only if clearly different from inner side)~~ | | |  |  |
|  | ~~green~~ | | |  | ~~1[ ]~~ |
|  | ~~light yellow~~ | | |  | ~~2[ ]~~ |
|  | ~~medium yellow~~ | | |  | ~~3[ ]~~ |
|  | ~~orange~~ | | |  | ~~4[ ]~~ |
|  | ~~pink~~ | | |  | ~~5[ ]~~ |
|  | ~~red~~ | | |  | ~~6[ ]~~ |
|  | ~~purple red~~ | | |  | ~~7[ ]~~ |
|  | ~~brown red~~ | | |  | ~~8[ ]~~ |

[Annex XI follows]

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | TECHNICAL QUESTIONNAIRE | Page {x} of {y} | Reference Number: | |
|  |
| |  |  |  |  | | --- | --- | --- | --- | | 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.~~1~~ 2** |  |  | | --- | | **(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 [   ] | |
|  |  |  |  |
| **5.3 (10)** | |  | | --- | | **Ear: glaucosity** | |  |  |
|  | absent or very weak | (w) Soissons | |  | | --- | | 1 [   ] | |
|  | very weak to weak |  | |  | | --- | | 2 [   ] | |
|  | weak | (w) Callobre, (s) Panifor | |  | | --- | | 3 [   ] | |
|  | weak to medium |  | |  | | --- | | 4 [   ] | |
|  | medium | (w) Solehio, (s) Granary | |  | | --- | | 5 [   ] | |
|  | medium to strong |  | |  | | --- | | 6 [   ] | |
|  | strong | (w) Edgar, (s) Specifik | |  | | --- | | 7 [   ] | |
|  | strong to very strong |  | |  | | --- | | 8 [   ] | |
|  | very strong | (w) Waximum | |  | | --- | | 9 [   ] | |
| |  | | --- | | **5.~~2~~ 4** |  |  | | --- | | **(12)** | | |  | | --- | | **Lower glume: hairiness on external surface** | |  |  |
|  | |  | | --- | | absent | | |  | | --- | | (w) Soissons, (s) Triso | | |  | | --- | | 1 [   ] | |
|  | |  | | --- | | present | | |  | | --- | | (w) Franz, (s) Galera | | |  | | --- | | 9 [   ] | |

|  |  |  |  |
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| |  |  |  | | --- | --- | --- | | 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 (20)** | | |  | | --- | | **Lower glume: area of hairiness on internal surface** | | |  | |  | |
|  | | tapering | | (w) Solveig, (s) Tybalt | | |  | | --- | | 1 [   ] | | |
|  | | parallel sided | | (w) Solehio, (s) Granary | | |  | | --- | | 2 [   ] | | |
|  | | slightly clavate | | (w) Homeros | | |  | | --- | | 3 [   ] | | |
|  | | strongly clavate | | (w) Vulcanus | | |  | | --- | | 4 [   ] | | |
|  | | fusiform | | (w) Apache, (s) FD 1 24 | | |  | | --- | | 5 [   ] | | |
| |  | | --- | | **5.~~7~~ 10** |  |  | | --- | | **(27)** | | | |  | | --- | | **Seasonal type** | | |  | |  | |
|  | | |  | | --- | | winter type | | | |  | | --- | | (w) Solehio | | | |  | | --- | | 1 [   ] | | |
|  | | |  | | --- | | alternative type | | | |  | | --- | | (w) SY Moisson | | | |  | | --- | | 2 [   ] | | |
|  | | |  | | --- | | spring type | | | |  | | --- | | (s) Lennox | | | |  | | --- | | 3 [   ] | | |

[End of Annex XI and of document]

1. Held via electronic means on October 25 and 26, 2021 [↑](#footnote-ref-2)
2. Held via electronic means on October 25 and 26, 2021 [↑](#footnote-ref-3)