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

Test Guidelines

Document prepared by the Office of the Union

*Disclaimer: this document does not represent UPOV policies or guidance*

Executive SUMMARY

The purpose of this document is to provide information on developments concerning Test Guidelines and present proposals for partial revisions of Test Guidelines to include characteristics from the Table of Characteristics in the Technical Questionnaires of the following crops:

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

Revision of Technical Questionnaires of Test Guidelines

The TC is invited to note that:

1. 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;
2. a proposal for partial revision of the Test Guidelines for Wheat is presented in document TC/58/29;
3. a proposal for the partial revision of the Test Guidelines for Maize to revise characteristic 24 and the Technical Questionnaire will be presented to the TWA at its fifty-first session;
4. a proposal for partial revision of the Test Guidelines for Rose is presented in document TC/58/27; and
5. the proposals for partial revision of the Test Guidelines for vegetable crops will continue to be discussed at the fifty-seventh session of the TWV, as set out in paragraph 22 of this document .

Additional Characteristics and States of Expression

The TC is invited to note:

1. the additional state of expression and characteristic notified to the Office of the Union since the fifty‑seventh session of the TC, as set out in Annex X to this document; and
2. that the additional state of expression and characteristic notified will be presented to the TWV, at its fifty-seventh session, for consideration on whether to be posted on the TG Drafters’ webpage of the UPOV website and/or to initiate a partial revision of the Test Guidelines for Asparagus and Lettuce.

Test Guidelines for adoption

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

Corrections to Test Guidelines

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

Draft Test Guidelines discussed by the TWPs in 2022

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

Test Guidelines adopted by correspondence in 2022

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

Draft Test Guidelines to be discussed by the TWPs in 2023

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

Status of existing Test Guidelines or draft Test Guidelines

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

Superseded Test Guidelines

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

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ANNEX I Partial revision of the Test Guidelines for Maize

ANNEX II Partial revision of the Test Guidelines for Lettuce

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 Additional characteristics and states of expression

ANNEX XI Test Guidelines for adoption by the TC at its fifty-eight session

ANNEX XII Draft Test Guidelines discussed by the TWPs in 2022

ANNEX XIII Draft Test Guidelines adopted by correspondence in 2022

ANNEX XIV Draft Test Guidelines to be discussed by the TWPs in 2023

The following abbreviations are used in this document:

TC: Technical Committee

TC-EDC: Enlarged Editorial Committee

TWA: Technical Working Party for Agricultural Crops

TWF: Technical Working Party for Fruit Crops

TWM: Technical Working Party on Testing Methods and Techniques

TWO: Technical Working Party for Ornamental Plants and Forest Trees

TWPs: Technical Working Parties

TWV: Technical Working Party for Vegetables

# Revision of technical questionnaires of test guidelines

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

The TC, at its fifty-sixth session[[1]](#footnote-2), agreed to invite the Office of the Union to consult interested members of the Union to explore for which Test Guidelines it would be feasible to propose partial revisions that would enable members of the Union to follow a revised UPOV Technical Questionnaire (see document TC/56/23 “Report”, paragraph 79).

## Relationship between Asterisked, Grouping and TQ characteristics

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 TWPs, at their sessions in 2022, noted that no proposals had been received to revise document TGP/7 “Development of Test Guidelines” to clarify the relationship between asterisks in the Test Guidelines and characteristics in the technical questionnaires. (see documents TWA/51/11 “Report”, paragraph 64; TWF/53/14, “Report”, paragraph 112; TWM/1/26 “Report”, paragraph 8, TWO/54/6 “Report”, paragraph 23; and TWV/56/22 “Report”, paragraph 101).

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

## Proposals for partial revisions of test guidelines

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

* TWV

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/2/7 | Maize | [Annex I](#_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** |  |
| --- | --- | --- |
| TG/11/8 Rev. | Rose | See document TC/58/27 |

* TWA:

| **TG reference** | **Test Guidelines Common Name** | **Annex** |
| --- | --- | --- |
| TG/2/7 | Maize | [Annex I](#_Test_Guidelines_for) |
| TG/3/12 | Wheat | See document TC/58/29 |

The proposals for partial revision of Test Guidelines for inclusion of characteristics from the Table of Characteristics in the Technical Questionnaires are presented in revisions mode in Annexes I to IX of this document and document TC/58/27 and TC/58/29. The characteristics from the table of characteristics proposed for inclusion in the Technical Questionnaire are indicated with grey highlighting and underline. Information on whether characteristics have an asterisk (\*) in the Table of Characteristics is provided beside each proposal.

### Consideration by the Technical Working Parties at their sessions in 2022

#### Technical Working Party for Agricultural Crops

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

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

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

#### Technical Working Party for Ornamental Plants and Forest Trees

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

#### Technical Working Party for Vegetables

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

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

*The TC is invited to note that:*

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

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

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

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

# additional characteristics / states of expression

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

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

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

### Additional state of expression: TG/130/4 Asparagus

- Char. 16: Type of flowering

## 

### Additional characteristic: TG/13/11 Lettuce

- Char. “Resistance to *Bremia lactucae* (Bl) Isolate PT2036”

The TC is invited to note:

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

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

Test Guidelines for adoption

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

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

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

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

corrections to test guidelines

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

(a) TG/332/1 Black Walnut

The correction concerns the following items:

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

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

The correction concerns the following items:

* Characteristic 28: French and German translations to read: “*Variétés buissonnantes seulement*” and “*Nur buschige Sorten*”

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

The correction concerns the following items:

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

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

DRAFT TEST GUIDELINES DISCUSSED BY THE TWPs IN 2022

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

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

Test Guidelines adopted by correspondence in 2022

## Background

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

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

## Adoptions by correspondence

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

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

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

DRAFT TEST GUIDELINES TO BE DISCUSSED BY THE TWPS IN 2023

## Proposals from Technical Working Parties

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

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

STATUS OF EXISTING TEST GUIDELINES OR DRAFT TEST GUIDELINES

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

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

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

superseded test guidelines

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

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

Abbreviations

TWA Technical Working Party for Agricultural Crops

TWF Technical Working Party for Fruit Crops

TWO Technical Working Party for Ornamental Plants and Forest Trees

TWP Technical Working Party

TWV Technical Working Party for Vegetables

A adopted

\*\* ISO code of leading country in the drafting of the Test Guidelines

proj.x: latest document presented to the relevant TWP(s)/TC

proj.nov: no existing document

2022\* “Final” draft Test Guidelines discussed by the relevant TWP(s) in 2022

2022 Test Guidelines discussed by the relevant TWP(s) in 2022

TC/58 to be considered for adoption at the fifty-eight session of the TC (2022)

TC-EDC/Mar23 to be considered by the Enlarged Editorial Committee at its meeting in March 2023 for adoption by the TC by correspondence

2023\* “Final” draft Test Guidelines to be discussed by the relevant TWP(s) in 2023

2023 Test Guidelines to be discussed by the relevant TWP(s) in 2023

[Annex I follows]

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

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

| TECHNICAL QUESTIONNAIRE | | Page {x} of {y} | Reference Number: | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | | |
| 5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | | | | |
|  | Characteristics | | | Example Varieties | Note | |
| **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 |  | [   ] |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 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 |  | [   ] |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | 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.

| TECHNICAL QUESTIONNAIRE | | | Page {x} of {y} | Reference Number: | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | | |  | |
| 5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). | | | | | | | |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.1 (1)** | **Seedling: length of cotyledon** | | | |  | |  |
|  | very short | | | |  | | 1[ ] |
|  | very short to short | | | |  | | 2[ ] |
|  | short | | | | Nores | | 3[ ] |
|  | short to medium | | | |  | | 4[ ] |
|  | medium | | | |  | | 5[ ] |
|  | medium to long | | | |  | | 6[ ] |
|  | long | | | | Breedblad Scherpzaad, Resistoflay | | 7[ ] |
|  | long to very long | | | |  | | 8[ ] |
|  | very long | | | |  | | 9[ ] |
| **5.2 (2)** | **Leaf: anthocyanin coloration of petioles and veins** | | | |  | |  |
|  | absent | | | | Resistoflay, Nores | | 1[ ] |
|  | present | | | | Red Cardinal, Reddy | | 2[ ] |
| **5.~~1~~ 3 (3)** | **Leaf blade: intensity of green color** | | | |  | |  |
|  | very light | | | |  | | 1[ ] |
|  | very light to light | | | |  | | 2[ ] |
|  | light | | | | Monet, Viroflay, Winterreuzen | | 3[ ] |
|  | light to medium | | | |  | | 4[ ] |
|  | medium | | | | Butterflay, Monnopa | | 5[ ] |
|  | medium to dark | | | |  | | 6[ ] |
|  | dark | | | | Imola, Lavewa, Nores | | 7[ ] |
|  | dark to very dark | | | |  | | 8[ ] |
|  | very dark | | | | Lorelay, Mystic | | 9[ ] |
|  | Characteristics | | | | Example Varieties | | Note |
| **5.~~2~~ 4 (4)** | **Leaf blade: blistering** | | | |  | |  |
|  | absent or very weak | | | | Matador | | 1[ ] |
|  | very weak to weak | | | |  | | 2[ ] |
|  | weak | | | | Polka, Tarpy | | 3[ ] |
|  | weak to medium | | | |  | | 4[ ] |
|  | medium | | | | Butterflay, Koala, Mystic | | 5[ ] |
|  | medium to strong | | | |  | | 6[ ] |
|  | strong | | | | Giraffe, Rhythm | | 7[ ] |
|  | strong to very strong | | | |  | | 8[ ] |
|  | very strong | | | | Menorca, Revolver | | 9[ ] |
| **5.5 (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.

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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)** | **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]

notification of Additional states of expression

**Test Guidelines for Asparagus: TG/130/4**

**Additional State(s) of Expression**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Submitting Authority: | | | CPVO (QZ) | | | Contact Expert: | | Name: | Morineau Céline | | | | |
|  | | |  | | |  | |  |  | | | | |
| Date: | | | 28/07/2022 | | | Organization: | | | CPVO | | | | |
|  | | |  | | |  | |  |  | | | | |
|  | | |  | | |  | | Tel.: | +33 (0) 2.41.25.64.00 | | | | |
|  | | |  | | |  | |  |  | | | | |
|  | | |  | | |  | | E-mail: | morineau@cpvo.europa.eu | | | | |
|  |  | English | | français | deutsch | | español | | | Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo | Note/ Nota | |
| [Existing characteristic: to be reproduced in full from UPOV Test Guidelines (including characteristic number, type of expression, method of observation, states, example varieties and notes)] | | | | | | | | | | | | |
| **16** | VG | Type of flowering | | Type de floraison | Blühtyp | | Tipo de floración | | |  |  | |
| **(+)** |  | plants with male flowers and plants with female flowers | | plantes avec des fleurs mâles et plantes avec des fleurs femelles | Pflanzen mit männlichen Blüten und Pflanzen mit weiblichen Blüten | | plantas con flores masculinas y plantas con flores femeninas | | | Andreas | 1 | |
| **(\*)** |  | plants with male and female flowers | | plantes avec des fleurs mâles et des fleurs femelles | Pflanzen mit männlichen und weiblichen Blüten | | plantas con flores masculinas y femeninas | | | Argenteuil, Desto | 2 | |
| **QL** |  | plants with androhermaphrodite flowers and plants with male flowers with style rudiments | | plantes avec des fleurs androhermaphrodites et plantes avec des fleurs mâles avec rudiments de style | Pflanzen mit männlich-zwittrigen Blüten und Pflanzen mit männlichen Blüten mit Griffelrudimenten | | plantas con flores hermafroditas masculinas y plantas con flores masculinas con estilo | | | Backlim, Gijnlim | 3 | |
| [Characteristic with new state(s) of expression (including all information as above)] | | | | | | | | | | | | |
| 16 | VG | Type of flowering | | Type de floraison | Blühtyp | | Tipo de floración | | |  |  | |
| (+) |  | plants with male flowers and plants with female flowers | | plantes avec des fleurs mâles et plantes avec des fleurs femelles | Pflanzen mit männlichen Blüten und Pflanzen mit weiblichen Blüten | | plantas con flores masculinas y plantas con flores femeninas | | | Andreas | 1 | |
| (\*) |  | plants with male and female flowers | | plantes avec des fleurs mâles et des fleurs femelles | Pflanzen mit männlichen und weiblichen Blüten | | plantas con flores masculinas y femeninas | | | Argenteuil, Desto | 2 | |
| QL |  | plants with androhermaphrodite flowers and plants with male flowers with style rudiments | | plantes avec des fleurs androhermaphrodites et plantes avec des fleurs mâles avec rudiments de style | Pflanzen mit männlich-zwittrigen Blüten und Pflanzen mit männlichen Blüten mit Griffelrudimenten | | plantas con flores hermafroditas masculinas y plantas con flores masculinas con estilo | | | Backlim, Gijnlim | 3 | |
|  |  | female | |  |  | |  | | |  | X | |
| Explanation / Illustration (including extent of the use of the characteristic(s)): / | | | | | | | | | | | |

notification of Additional characteristics

**Test Guidelines for Lettuce: TG/13/11 Rev.2**

**Additional Characteristic(s)**

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

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

**[i]** indicate type of expression (QL, PQ, QN)

**[ii]** indicate method of observation (VG, VS, MG, MS)

**[iii]** example varieties to be provided for at least 2 states.

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

Resistance to Bremia lactucae (Bl) isolate PT2036

1. Pathogen *Bremia lactucae*

2. Quarantine status no

3. Host species lettuce - Lactuca sativa L.

4. Source of inoculum Naktuinbouw ([resistentie@naktuinbouw.nl](mailto:resistentie@naktuinbouw.nl))

5. Isolate PT2036

6. Establishment isolate identity test on differentials (see table below)

7. Establishment pathogenicity test on susceptible varieties

8. Multiplication inoculum

8.1 Multiplication medium lettuce plantlets

8.2 Multiplication variety susceptible variety, for example Green Towers.

8.3 Plant stage at inoculation cotyledon to first leaf

8.4 Inoculation medium tap water

8.5 Inoculation method spraying a spore suspension

8.6 Harvest of inoculum washing off from leaves

8.7 Check of harvested inoculum counting spores

8.8 Shelf life/viability inoculum 2 hours at room temperature; 2 days in fridge

9. Format of the test

9.1 Number of plants per genotype at least 20

9.2 Number of replicates -

9.3 Control varieties (informative) differentials (see table below)

9.4 Test design -

9.5 Test facility climate room

9.6 Temperature 15°C-18°C

9.7 Light adequate for good plant growth; seedlings should not etiolate.

option: reduced light 24 hours after inoculation

9.8 Season -

9.9 Special measures plants may grow on wet blotting paper with or without a

nutrient solution, on sand, or on potting soil (see point 13).

high humidity (>90%) is essential for infection and

sporulation.

10. Inoculation

10.1 Preparation inoculum washing off from leaves by vigorous shaking in a closed

container

10.2 Quantification inoculum counting spores; spore density should be 3.104-1.105

10.3 Plant stage at inoculation cotyledon stage

10.4 Inoculation method spraying till run-off

option: reduced light 24 hours after inoculation

10.5 First observation beginning of sporulation on susceptible varieties (around 7

days after inoculation)

10.6 Second observation 3-4 days after first observation (around 10 days after

inoculation)

10.7 Final observations 14 days after inoculation

two of these three observations may be sufficient; the third

notation is optional for observation of evolution of symptoms in

case of doubt. The day of maximum sporulation should occur

in this period.

11. Observations

11.1 Method visual observation of sporulation and necrotic reaction to

infection

* 1. Observation scale resistant

0 no sporulation, no necrosis

1 no sporulation, necrosis present

2 weak sporulation (much less than susceptible control)

with necrosis

3 weak sporulation (less than susceptible control and not

evolving between second and third observations) with

necrosis

4 very sparse sporulation (not evolving between second

and third observation) without necrosis

susceptible

5 reduced sporulation (compared to susceptible control)

without necrosis

6 normal sporulation without necrosis

11.3 Validation of test on standards.

In case of normal sporulation (same level as susceptible

control) with necrosis, another test on bigger plants or other

substrate must be undertaken.

12. Interpretation of data in terms of UPOV class 0, 1, 2, 3 and 4: resistant

characteristic states class 5 and 6: susceptible

13. Critical control points Reaction of standards (the infection pressure may vary

between experiments, leading to slight differences in

sporulation intensity); when the reactions are not clear the

experiment should be repeated.

The sowing on soil can be used to see necrosis, but weak

sporulation (much less than susceptible control) can appear;

when testing on sand, spores can be confused with grains of

sand.

In case of use of nutritive solution on blotting paper, a

fungicide can be added to avoid contamination by saprophytes

Afbeelding met tafel

Automatisch gegenereerde beschrijving

[Annex XI follows]

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

| \*\* | TWP | Document No.  No. du document  Dokument-Nr.  No del documento | English | | Français | Deutsch | Español | Botanical name |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REVISIONS OF TEST GUIDELINES / RÉVISIONS DE PRINCIPES DIRECTEURS D’EXAMEN ADOPTÉS / REVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES DE DIRECTRICES DE EXAMEN ADOPTADAS | | | | | | | | |
| DE | TWF | TG/14/10(proj.6) | | Apple | Pommier (variétés fruitières) | Apfel (Fruchtsorten) | Manzano (variedades frutales) | *Malus domestica* (Suckow) Borkh. |
| DE | TWF/TWO | TG/22/11(proj.5) | | Strawberry | Fraisier | Erdbeere | Fresa, Frutilla | *Fragaria* L. |
| DE | TWA | TG/23/7(proj.4) | | Potato | Pomme de terre/ | Kartoffel | Papa, Patata | *Solanum tuberosum* L. |
| FR | TWA | TG/31/9(proj.3) | | Cocksfoot | Dactyle | Knaulgras | Dactilo | *Dactylis glomerata* L. |
| AR | TWA | TG/80/7(proj.9) | | Soya Bean | Soja | Sojabohne | Soya, Soja | *Glycine max* (L.) Merr. |
| HU | TWA | TG/81/7(proj.5) | | |  | | --- | | Common Sunflower | | |  | | --- | | Tournesol | | |  | | --- | | Sonnenblume | | |  | | --- | | Girasol | | |  | | --- | | Helianthus annuus L. | |
| JP | TWO | TG/86/6(proj.4) | | Anthurium | Anthurium | Flamingoblume | Anthurium | *Anthurium* Schott |
| DE | TWO | TG/94/7(proj.3) | | Ling, Scots Heather | Callune | Besenheide | Brezo | *Calluna vulgaris* (L.) Hull |
| NL |  | TG/168/4(proj.4) | | Statice | Limonium, Statice | Statice | Limonium | *Goniolimon* Boiss., *Limonium* Mill., *Psylliostachys* (Jaub. & Spach) Nevski |
| PARTIAL REVISIONS OF TEST GUIDELINES / RÉVISIONS PARTIELLES DE PRINCIPES DIRECTEURS D’EXAMEN ADOPTÉS / TEILREVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES PARCIALES DE DIRECTRICES DE EXAMEN ADOPTADAS | | | | | | | | |
| GB | TWA | TG/3/12, TC/58/29 | | Wheat | Blé | Weizen | Trigo | *Triticum aestivum* L. emend. Fiori et Paol. |
| FR | TWV | TG/7/10 Rev. 2, TC/58/23 | | Pea | Pois | Erbse | Guisante, Arveja | *Pisum sativum* L. |
| QZ | TWO | TG/11/8 Rev., TC/58/27 | | Rose | Rosier | Rose | Rosal | *Rosa* L. |
| NL | TWV | TG/55/7 Rev. 6, TC/58/24 | | Spinach | Épinard | Spinat | Espinaca | *Spinacia oleracea* L. |
| DE | TWA | TG/58/7, TC/58/28 | | Rye | Seigle | Roggen | Centeno | *Secale cereale* L. |
| NL | TWV | TG/65/4 Rev., TC/58/21 | | Kohlrabi | Chou-rave | Kohlrabi | Col rábano | *Brassica oleracea* L. var. *gongylodes* L. |
| CZ | TWF | TG/125/7, TC/58/16 | | Walnut | Noyer | Walnuss | Nogal | *Juglans regia* L. |
| AU | TWF | TG/137/5, TC/58/30 | | Blueberry | Myrtille | Heidelbeere | Arándano americano | *Vaccinium angustifolium* Aiton, *V. corymbosum* L., *V. formosum* Andrews, *V. myrtilloides* Michx., *V. myrtillus* L., *V. virgatum* Aiton, *V. simulatum* Small |
| FR | TWV | TG/154/4, TC/58/22 | | Leaf Chicory | Chicorée à feuille (sauvage) | Blattzichorie | Achicoria de hoja | *Cichorium intybus* L. var. *foliosum* Hegi |
| NL | TWV | TG/162/4, TC/58/20 | | Garlic | Ail | Knoblauch | Ajo | *Allium sativum* L. |
| NL | TWV | TG/244/1 Rev., TC/58/26 | | Lincoln’s-weed, Sand mustard, Sand rocket, Wall rocket, Wild rocket | Roquette sauvage | Wilde Rauke | Roqueta silvestre | *Diplotaxis tenuifolia* (L.) DC. |
| NL | TWV | TG/245/1 Rev., TC/58/19 | | Arugula, Cultivated Rocket, Garden Rocket, Rocket-salad, Rugula, Salad Rocket | Roquette cultivée | Ölrauke, Rauke, Ruke, Rukola, Senfrauke | Oruga común, Roqueta | *Eruca sativa* Mill. |
| NL | TWV | TG/294/1 Corr. Rev. 3, TC/58/25 | | Tomato Rootstocks | Porte-greffe de tomate | Tomaten- unterlagen | Portainjertos de tomate | *Solanum habrochaites* S. Knapp *&* D.M. Spooner*; S. lycopersicum* L. x *S. habrochaites* S. Knapp & D.M. Spooner; *S. lycopersicum* L. x *S. peruvianum* (L.) Mill*.; S. lycopersicum* L. x  *S. cheesmaniae* (L. Ridley) Fosberg; *S. pimpinellifolium* L. *x S.habrochaites* S. Knapp & D.M. Spooner |

Summary / Résumé / Zusammenfassung / Resumen

0 New Test Guidelines / Nouveaux principes directeurs d’examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen

9 Revisions of adopted Test Guidelines / Révisions de principes directeurs d’examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.

13 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d’examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas

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

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

| \*\* | TWP | Document No.  No. du document  Dokument-Nr.  No del documento | English | Français | Deutsch | Español | Botanical name Nom botanique Botanischer Name Nombre botánico |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CN | TWF | TG/LYCIUM\_BAR (proj.2) | Goji |  |  |  | *Lycium barbarum* L., *L. chinense* Mill., *L. cylindricum* Kuang & A. M. Lu, *L. dasystemum* Pojark., *L. ruthenicum* Murray, *L. truncatum* Y. C. Wang, *L. yunnanense* Kuang & A. M. Lu |
| JP | TWF | TG/MORUS (proj.4) | Mulberry |  |  |  | *Morus* L. |
| CN | TWO | TG/MAGNO (proj.3) | Magnolia |  |  |  | Magnolia L. |
| JP | TWO | TG/OXYPE\_CAE (proj.1) | Oxypetalum |  |  |  | *Oxypetalum coeruleum* (D. Don) Decne. |
| JP | TWA | TG/ZOYSI(proj.3) | Zoysia grasses |  |  |  | *Zoysia* Willd. |
| FR | TWA | TG/31/9(proj.2) | Cocksfoot |  |  |  | *Dactylis glomerata* L. |
| NL | TWA | TG/276/2(proj.1) | Hemp, Cannabis |  |  |  | *Cannabis sativa* L. |
| DE | TWA | TG/23/7(proj.3) | Potato |  |  |  | *Solanum tuberosum* L. |
| GB | TWA | TG/36/7(proj.3) | Oilseed Rape |  |  |  | *Brassica napus* L. *oleifera* |
| AR | TWA | TG/80/7(proj.8) | Soya Bean |  |  |  | *Glycine max* (L.) Merrill |
| AU | TWA | TG/186/2(proj.3) | Sugarcane |  |  |  | *Saccharum* L. |
| HU | TWA | TG/81/7(proj.4) | Sunflower |  |  |  | *Helianthus annuus* L. |
| DE | TWF | TG/14/10(proj.5) | Apple |  |  |  | *Malus domestica* Borkh. |
| IT | TWF | TG/50/10(proj.5) | Grapevine |  |  |  | *Vitis* L. |
| CN | TWF | TG/110/4(proj.2) | Guava |  |  |  | *Psidium guajava* L.; *Psidium cattleyanum* Sabine var. *littorale* (Raddi) Fosberg |
| IT | TWF | TG/71/4(proj.3) | Hazelnut |  |  |  | *Corylus avellana* L.; *Corylus colurna* L. |
| ES | TWF | TG/203/2(proj.1) | Lemon |  |  |  | *Citrus* L. - Group 3 |
| ES | TWF | TG/201/2(proj.1) | Mandarin |  |  |  | *Citrus* L. – Group 1 |
| DE | TWF | TG/43/8(proj.2) | Raspberry |  |  |  | *Rubus idaeus* L. |
| HU | TWF | TG/230/2(proj.2) | Sour Cherry |  |  |  | *Prunus cerasus* L. |
| DE | TWF | TG/22/11(proj.4) | Strawberry |  |  |  | *Fragaria* L. |
| FR | TWF | TG/35/8(proj.3) | Sweet Cherry |  |  |  | *Prunus avium* (L.) L. |
| ES | TWF | TG/83/5(proj.1) | Trifoliate Orange |  |  |  | *Citrus* L. - Group 5) |
| NL | TWO | TG/181/4(proj.2) | Amaryllis |  |  |  | *Hippeastrum Herb.* |
| JP | TWO | TG/86/6(proj.3) | Anthurium |  |  |  | *Anthurium Schott* |
| QZ | TWO | TG/194/2(proj.2) | Lavender |  |  |  | *Lavandula L.* |
| DE | TWO | TG/94/7(proj.2) | Ling, Scots Heather |  |  |  | *Calluna vulgaris (L.) Hull* |
| QZ | TWO | TG/24/7(proj.1) | Poinsettia |  |  |  | *Euphorbia pulcherrima* Willd. ex Klotzsch |
| NL | TWO | TG/168/4(proj.3) | Statice |  |  |  | *Limonium Mill., Goniolimon Boiss. and Psylliostachys (Jaub. & Spach) Nevski* |
| FR | TWO | TG/148/3(proj.2) | Weigela |  |  |  | *Weigela Thunb.* |
| KR | TWV | TG/105/5(proj.2) | Chinese cabbage |  |  |  | Brassica rapa L. subsp. pekinensis (Lour.) Kitam., hybrids between B. rapa L. Emend. Metzg. ssp. pekinensis (Lour.) Hanelt and B. rapa L. Emend. Metzg. ssp. chinensis (L.) Hanelt, hybrids between B. rapa L. Emend. Metzg. ssp. pekinensis (Lour.) Hanelt and B. rapa L. var. rapa (L.) Thell., B. ×turicensis O. E. Schulz & Thell. |
| QZ | TWV | TG/117/5(proj.3) | Egg plant |  |  |  | *Solanum melongena* L. |
| JP | TWV | TG/90/7(proj.4) | Kale |  |  |  | *Brassica oleracea* L. var. *costata* DC.; *B. oleracea* L. var. *medullosa* Thell.; *B. oleracea* L. var. *sabellica* L.; *B. oleracea* L. var. *viridis* L.; *B. oleracea* L. var. *palmifolia* DC. |
| NL | TWV | TG/76/9(proj.4) | Pepper |  |  |  | *Capsicum annuum* L. |
| NL | TWV | TG/44/12(proj.2) | Tomato |  |  |  | *Solanum lycopersicum* L. |
| QZ | TWO | TG/11/8 Rev.  Partial Revision | Rose |  |  |  | *Rosa* L. |
| NL | TWV | TG/245/1 Rev.  Partial Revision | Garden Rocket |  |  |  | *Eruca sativa* Mill. |
| NL | TWV | TG/162/4  Partial Revision | Garlic |  |  |  | *Allium sativum* L. |
| NL | TWV | TG/65/4 Rev.  Partial Revision | Kohlrabi |  |  |  | *Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *gongylodes* L.; *Brassica oleracea* L. *Gongylodes* Group |
| FR | TWV | TG/154/4  Partial Revision | Leaf Chicory |  |  |  | *Cichorium intybus* L. var. *foliosum* Hegi |
| FR | TWV | TG/7/10 Rev. 2  Partial Revision | Pea |  |  |  | *Pisum sativum* L. |
| DE | TWA | TG/58/7 Partial Revision | Rye |  |  |  | *Secale cereale* L. |
| GB | TWA | TG/3/12  Partial Revision | Wheat |  |  |  | *Triticum aestivum* L. emend. Fiori et Paol. |
| AU | TWF | TG/137/5 Partial Revision | Blueberry |  |  |  | *Vaccinium angustifolium* Aiton*, V. corymbosum L., V. formosum* Andrews*, V. myrtilloides* Michx*., V. myrtillus* L*., V. virgatum* Aiton*, V. simulatum* Small |
| CZ | TWF | TG/125/7  Partial Revision | Walnut |  |  |  | *Juglans regia* L. |
| NL | TWV | TG/244/1 Rev.  Partial Revision | Wild Rocket |  |  |  | *Diplotaxis tenuifolia* (L.) DC. |

Summary/Résumé/Zusammenfassung/Resumen

5 New Test Guidelines / Nouveaux principes directeurs d’examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen.

30 Revisions of adopted Test Guidelines / Révisions de principes directeurs d’examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.

11 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d’examen adoptés / Teilrevisionen angenommener Prüfungsrichtilinien / Revisiones parciales de directrices de examen adoptadas.

Total/Insgesamt: 46

of which / dont / davon / de las cuales:

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

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

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

| \*\* | TWP | Document No.  No. du document  Dokument-Nr.  No del documento | English | | Français | Deutsch | Español | Botanical name |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NEW TEST GUIDELINES / NOUVEAUX PRINCIPES DIRECTEURS D’EXAMEN / NEUE PRÜFUNGSRICHTILINIEN / NUEVAS DIRECTRICES DE EXAMEN | | | | | | | | |
| MX | TWO | TG/339/1 | Zinnia | | Zinnia | Zinnie | Zinnia | Zinnia (*Zinnia* ×*marylandica* D. M. Spooner et al.; *Zinnia angustifolia* Kunth; *Zinnia elegans* Jacq.; *Zinnia haageana* Regel; *Zinnia peruviana* (L.) L.) |
| REVISIONS OF TEST GUIDELINES / RÉVISIONS DE PRINCIPES DIRECTEURS D’EXAMEN ADOPTÉS / REVISIONEN ANGENOMMENER PRÜFUNGSRICHTLINIEN / REVISIONES DE DIRECTRICES DE EXAMEN ADOPTADAS | | | | | | | | |
| FR | TWV | [TG/37/11(proj.9)](https://www.upov.int/meetings/fr/doc_details.jsp?meeting_id=67786&doc_id=580653) | | |  | | --- | | Turnip | | |  | | --- | | Navet | | |  | | --- | | Mairübe | | |  | | --- | | Nabo | | |  | | --- | | *Brassica rapa* L. var. *rapa* L. | |
| FR | TWO | [TG/68/4(proj.6)](https://www.upov.int/meetings/fr/doc_details.jsp?meeting_id=67786&doc_id=580654) | | |  | | --- | | Berberis | | |  | | --- | | Berberis | | |  | | --- | | Berberitze | | |  | | --- | | Berberis | | |  | | --- | | Berberis L. | |
| KE | TWA | [TG/238/2(proj.6)](https://www.upov.int/meetings/fr/doc_details.jsp?meeting_id=67786&doc_id=580671) | | |  |  | | --- | --- | | |  | | --- | | Tea | | | |  | | --- | | Théier | | |  | | --- | | Tee | | Té | Camellia sinensis (L.) Kuntze |

Summary / Résumé / Zusammenfassung / Resumen

1 New Test Guidelines / Nouveaux principes directeurs d’examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen

3 Revision of adopted Test Guidelines / Révision de principes directeurs d’examen adoptés / Revision angenommener Prüfungsrichtlinien / Revision de directrices de examen adoptadas.

0 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d’examen adoptés / Teilrevisionen angenommener Prüfungsrichtlinien / Revisiones parciales de directrices de examen adoptadas

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

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

| \*\* | TWP | Document No.  No. du document  Dokument-Nr.  No del documento | English | Français | Deutsch | Español | Botanical name Nom botanique Botanischer Name Nombre botánico |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AU | TWA/TWO | TG/CYNOD(proj.1) | Couch Grass, Bermuda Grass |  |  |  | *Cynodon* Rich. |
| GB | TWO | TG/LEUCA(proj.1) | Leucanthemum |  |  |  | *Leucanthemum* Mill. |
| CN | TWO/TWV | TG/LYCIUM\_BAR(proj.3) | Goji |  |  |  | *Lycium chinense* Mill.; *Lycium barbarum* L. |
| CN | TWO | TG/GINKG\_BIL(proj.1) | Ginkgo |  |  |  | *Ginkgo biloba* L. |
| CN | TWO | TG/MAGNO(proj.4) | Magnolia |  |  |  | *Magnolia* L. |
| JP | TWF/TWO | TG/MORUS(proj.5) | Mulberry |  |  |  | *Morus* L. |
| CN | TWO | TG/NELUM(proj.1) | Lotus |  |  |  | *Nelumbo* Adans. |
| JP | TWO | TG/OXYPE\_CAE(proj.2) | Oxypetalum |  |  |  | *Oxypetalum coeruleum* (D. Don) Decne. |
| CN | TWA/TWV | TG/VIGNA\_RAD(proj.1) | Mung Bean |  |  |  | *Vigna radiata* (L.) R. Wilczek |
| JP | TWA/TWO | TG/ZOYSI(proj.4) | Zoysia Grasses |  |  |  | *Zoysia* Willd. |
| QZ | TWO | TG/24/7(proj.2) | Poinsettia | Poinsettia | Poinsettie, Weihnachtsstern | Flor de Pascua | *Euphorbia pulcherrima* Willd. ex Klotzsch |
| FR | TWF | TG/35/8(proj.4) | Sweet Cherry | Cerisier doux | Süsskirsche | Cerezo dulce | *Prunus avium* (L.) L. |
| GB | TWA | TG/36/7(proj.4) | Oilseed Rape | Colza | Raps | Colza | *Brassica napus* L. *oleifera* |
| DE | TWF | TG/43/8(proj.3) | Raspberry | Framboisier | Himbeere | Frambueso | *Rubus idaeus* L. |
| NL | TWV | TG/44/12(proj.3) | Tomato | Tomate | Tomate | Tomate | *Solanum lycopersicum* L. x *Solanum cheesmaniae* (L. Ridley) Fosberg; *Solanum lycopersicum* L.; *Solanum lycopersicum* L.x *Solanum pimpinellifolium* L. |
| IT | TWF/TWO | TG/50/10(proj.6) | Grapevine | Vigne | Rebe | Vid | *Vitis* L. |
| IT | TWF | TG/71/4(proj.4) | Hazelnut | Noisetier | Haselnuss | Avellano | *Corylus avellana* L.; *Corylus colurna* L. |
| NL | TWV | TG/76/9(proj.5) | Sweet Pepper, Hot Pepper, Paprika, Chili | Poivron, Piment | Paprika | Ají, Chile, Pimiento | *Capsicum annuum* L. |
| ES | TWF | TG/83/5(proj.1) | Trifoliate Orange | Oranger trifolié | Dreiblättrige Orange | Naranjo trifoliado | Poncirus (Citrus L. - Gr. 5) |
| JP | TWV | TG/90/7(proj.5) | Kale | Chou frisé | Grünkohl | Col rizada | *Brassica oleracea* L. var. *medullosa* Thell.; *Brassica oleracea* L. var. *viridis* L.; *Brassica oleracea* L. var. *costata* DC.; *Brassica oleracea* L. var. *sabellica* L.; *Brassica oleracea* L. var. *palmifolia* DC. |
| KR | TWV | TG/105/5(proj.3) | Chinese Cabbage | Chou chinois | Chinakohl | Repollo chino | hybrids between *Brassica rapa* L. Emend. Metzg. ssp. *pekinensis* (Lour.) Hanelt and *Brassica rapa* L. Emend. Metzg. ssp. *chinensis* (L.) Hanelt; hybrids between *Brassica rapa* L. Emend. Metzg. ssp. *pekinensis* (Lour.) Hanelt and *Brassica rapa* L. var. *rapa* (L.) Thell.; *Brassica rapa* L. subsp. *pekinensis* (Lour.) Kitam.; *Brassica* ×*turicensis* O. E. Schulz & Thell. |
| CN | TWF | TG/110/4(proj.3) | Guava | Goyavier | Guave | Guayabo | *Psidium guajava* L. |
| QZ | TWV | TG/117/5(proj.4) | Egg Plant | Aubergine | Eierfrucht, Aubergine | Berenjena | *Solanum melongena* L. |
| DE | TWA | TG/134/4(proj.1) | Safflower | Carthame | Saflor | Cártamo | *Carthamus tinctorius* L. |
| DE | TWV | TG/136/6(proj.1) | Parsley | Persil | Petersilie | Perejil | *Petroselinum crispum* (Mill.) Fuss |
| FR | TWO | TG/148/3(proj.3) | Weigela | Weigela | Weigelie | Weigela | *Weigela* Thunb. |
| FR | TWA | TG/150/4(proj.1) | Fodder Beet | Betterave fourragère | Runkelrübe | Remolacha forrajera | *Beta vulgaris* L. |
| NL | TWO | TG/181/4(proj.3) | Amaryllis | Amaryllis | Amaryllis | Amarilis | *Hippeastrum* Herb. |
| AU | TWA/TWO | TG/186/2(proj.4) | Sugarcane | Canne à sucre | Zuckerrohr | Caña de Azúcar | *Saccharum* L. |
| QZ | TWO | TG/194/2(proj.3) | Lavandula/Lavender | Lavande, Lavande vraie / Lavandins | Lavandula, Echter Lavendel/Lavendel | Lavándula, Lavanda | *Lavandula* L. |
| ES | TWF | TG/201/2(proj.2) | Mandarins | Mandarinier (Citrus L. - Groupe 1) | Mandarinen (Citrus L. - Gruppe 1) | Mandarino (Citrus L. - Grupo 1) | *Citrus reticulata* Blanco; *Citrus* ×*aurantium* L. |
| ES | TWF | TG/203/2(proj.2) | Lemons and Limes | Limettier (Citronnier et) (Citrus L. - Groupe 3) | Zitronen und Limetten (Citrus L. - Gruppe 3) | Limón y Lima (Citrus L. - Grupo 3) | *Citrus* ×*aurantiifolia* (Christm.) Swingle; *Citrus* ×*limon* (L.) Osbeck |
| HU | TWF | TG/230/2(proj.3) | Sour Cherry; Duke Cherry | Griotte, Cerisier acide | Sauerkirsche | Cerezo ácido, Guindo; Cerezo Duke | *Prunus ×gondouinii* (Poit. & Turpin) Rehder |
| AU | TWF | TG/256/2(proj.1) | Granadilla, Passion fruit | Fruit de la passion, Barbadine | Purpurgranadilla, Passionsfrucht | Maracuyá, Granadilla | *Passiflora edulis* Sims |
| NL | TWA | TG/276/2(proj.2) | Hemp | Chanvre | Hanf | Cáñamo | *Cannabis sativa* L. |
| GB | TWA | TG/19/11 | Barley Partial Revision |  |  |  | *Hordeum vulgare L.* |
| QZ | TWA | TG/2/7 | Maize Partial Revision |  |  |  | *Zea mays L.* |
| AU/ NZ | TWF | TG/137/5 | Blueberry  Partial revision |  |  |  | *Vaccinium angustifolium* Aiton*, V. corymbosum L., V. formosum* Andrews*, V. myrtilloides* Michx*., V. myrtillus* L*., V. virgatum* Aiton*, V. simulatum* Small |
| ES | TWF | TG/202/1 Rev. 2 | Oranges Partial revision |  |  |  | *Citrus L. - Group 2* |
| ES | TWF | TG/204/1 Rev. 2 | Pummelo (Grapefruit and) Partial revision |  |  |  | *Citrus L. - Group 4* |
| NL | TWO | TG/283/1 Rev. | Oncidium  Partial revision |  |  |  | *Oncidium Sw.; ×Oncidesa Hort.; ×Ionocidium Hort.; ×Zelenkocidium J.M.H.Shaw.* |
| NL | TWV | TG/54/7 Rev. | Brussels Sprouts  Partial revision |  |  |  | *Brassica oleracea* L. var. *gemmifera* DC. |
| NL | TWV | TG/48/7 Rev. | Cabbage  Partial revision |  |  |  | *Brassica oleracea* L.: *Brassica* (White Cabbage Group); *Brassica* (Savoy Cabbage Group); *Brassica* (Red Cabbage Group) |
| NL | TWV | TG/45/7 Rev. | Cauliflower  Partial revision |  |  |  | *Brassica oleracea* L. convar *botrytis* (L.) Alef. var. *botrytis* L. |
| NL | TWV | TG/75/7 | Cornsalad  Partial revision |  |  |  | *Valerianella locusta* L.; *Valerianella eriocarpa* Desv. |
| NL | TWV | TG/172/4 | Industrial Chicory  Partial revision |  |  |  | *Cichorium intybus* L. partim |
| NL | TWV | TG/65/4 Rev. | Kohlrabi  Partial revision |  |  |  | *Brassica oleracea* L. convar. *acephala* (DC.) Alef. var. *gongylodes* L. (*Brassica oleracea* L. *Gongylodes* Group) |
| NL | TWV | TG/13/11 Rev. 2 | Lettuce  Partial revision |  |  |  | *Lactuca sativa* L. |
| FR | TWV | TG/104/5 Rev. 2 | Melon  Partial revision |  |  |  | *Cucumis melo* L. |
| NL | TWV | TG/7/10 Rev. 2 | Pea  Partial revision |  |  |  | *Pisum sativum* L. |
| FR | TWV | TG/63/7-TG/64/7 Rev. Corr. | Radish; Black Radish  Partial revision |  |  |  | *Raphanus sativus* L. var *sativus*; *Raphanus sativus* L. var. *niger* (Mill.) S. Kerner |
| NL | TWV | TG/55/7 Rev. 6 | Spinach  Partial revision |  |  |  | *Spinacia oleracea* L. |
| NL | TWV | TG/89/6 Rev. | Swede, Rutabaga  Partial revision |  |  |  | *Brassica napus* L. var. *napobrassica* (L.) Rchb. |
| FR | TWV | TG/119/4 Corr. 2 | Vegetable Marrow, Squash  Partial revision |  |  |  | *Cucurbita pepo* L. |
| NL | TWV | TG/142/5 Rev. | Watermelon  Partial revision |  |  |  | *Citrullus lanatus* (Thunb.) Matsum. et Naka |

Summary/Résumé/Zusammenfassung/Resumen

10 New Test Guidelines / Nouveaux principes directeurs d’examen / Neue Prüfungsrichtlinien / Nuevas directrices de examen.

25 Revisions of adopted Test Guidelines / Révisions de principes directeurs d’examen adoptés / Revisionen angenommener Prüfungsrichtlinien / Revisiones de directrices de examen adoptadas.

20 Partial revisions of adopted Test Guidelines / Révisions partielles de principes directeurs d’examen adoptés / Teilrevisionen angenommener Prüfungsrichtilinien / Revisiones parciales de directrices de examen adoptadas.

Total/Insgesamt: 55

of which / dont / davon / de las cuales:

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

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

1. Held via electronic means on October 27 and 28, 2020 [↑](#footnote-ref-2)
2. Held via electronic means on October 25 and 26, 2021 [↑](#footnote-ref-3)