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| **INTERNATIONAL UNION FOR THE PROTECTION**  **OF NEW VARIETIES OF PLANTS** | **UNION INTERNATIONALE POUR LA PROTECTION**  **DES OBTENTIONS VÉGÉTALES** | **INTERNATIONALER VERBAND ZUM SCHUTZ VON PFLANZEN-ZÜCHTUNGEN** | **UNIÓN INTERNACIONAL PARA LA PROTECCIÓN**  **DE LAS OBTENCIONES VEGETALES** |

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| **DRAFT** |

**GUIDELINES**

**FOR THE CONDUCT OF TESTS**

**FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

prepared by an expert from France  
  
to be considered by the

Technical Committee for adoption by correspondence

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| **VEGETABLE MARROW, SQUASH** |
| **(*Cucurbita pepo* L.)** |

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|  | These Guidelines should be read in conjunction with document TG/1/2, which contains explanatory notes on the general principles on which the Guidelines have been established. |  |

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I. Subject of these Guidelines

These Test Guidelines apply to all edible varieties of *Cucurbita pepo* L.

II. Material Required

1. The competent authorities decide when, where and in what quantity and quality the seed required for testing the variety is to be delivered. Applicants submitting material from a State other than that in which the testing takes place must ensure that all customs formalities are complied with. As a minimum, for each year of test the following quantity of seed is recommended:

200 g.

2. The seed should meet the minimum requirements for germination, species and analytical purity, health and moisture content, specified by the competent authority. In cases where the seed is to be stored, the germination capacity should be as high as possible and should be stated by the applicant.

3. The plant material must not have undergone any treatment unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

1. Conduct of Tests

1. The minimum duration of tests should be two independent growing cycles.

2. The tests should normally be conducted at one place. If any important characteristics of the variety cannot be seen at that place, the variety may be tested at an additional place.

3. The tests should be carried out under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination. The size of the plots should be such that plants or parts of plants may be removed for measurement and counting without prejudice to the observations which must be made up to the end of the growing cycle. Each test should be designed to result in a total of at least 20 plants, which should be divided between two or more replicates. Separate plots for observation and for measuring should only be used if they have been subject to similar environmental conditions.

4. Additional tests for special purposes may be established.

IV. Methods and Observations

1. All observations determined by measurement or counting should be made on 10 plants or parts taken from each of 10 plants.

2. For the assessment of uniformity a population standard of 2 % for open-pollinated varieties and of 1 % for hybrid varieties with an acceptance probability of at least 95 % should be applied. Where the test is conducted on 20 plants, the maximum number of off-types allowed would be 1 for hybrid varieties whereas for open-pollinated varieties it would be 2.

3. All observations on the seedling should be made just before the development of the first leaf.

4. All observations on the leaf should be made on fully developed leaves when the first fruit is fully developed, or later,and should exclude the lower external leaves.

5. All observations on the ring of the corolla should be made when female and male flowers have appeared.

6. All observations on the young fruit should be made on fruits three to five days after opening of the flower.

1. All observations on the color of the fruit should be made when the fruit is fully developed, before the change of color due to ripening. All other observations on the fruit should be made when the fruit is fully developed or later, unless otherwise indicated.

8. All observations on the ripe fruit should be made on physiologically ripe fruits.

V. Grouping of Varieties

1. The collection to be grown should be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly within a variety and which in their various states are fairly evenly distributed within the collection.

2. It is recommended that the competent authorities use the following types and characteristics for grouping of varieties:

(a) Characteristics to be used for grouping:

(i) Plant: growth habit (characteristic 4);

(ii) Plant: branching (characteristic 5);

(iii)Leaf blade: silvery patches (characteristic 15);

(iv) Fruit: main color of skin (characteristic 50).

(b) Types of edible varieties of *Cucurbita pepo* L.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fruit: type** | **Fruit: general shape  (ch. 30)** | **Plant: growth habit (ch. 4)** | Fruit:  size | **Fruit: grooves  (ch. 46)** | **Fruit: ribs  (ch. 48)** | **Fruit: warts on skin (ch. 62)** | **Ripe fruit: main color of skin (ch. 69)** | **Ripe fruit: lignified rind  (ch. 75)** | **Ripe fruit: color of flesh (ch. 74)** | **Ripe fruit: structure of flesh (ch. 76)** | **Example varieties** |  |
| Pumpkin | from flattened globular to elliptical globular |  |  | present | absent | absent |  | absent | orange |  | Halloween, Little Boo, Small Sugar | 1 |
| Miniature Pumpkin | transverse elliptical | trailing | very small | present | absent | absent |  | absent | orange |  | Jack Be Little | 2 |
| Scallop | flattened disc shaped with equatorial margin | bush or semi-trailing |  | absent | absent |  |  | present | cream |  | Patty Pan, Scallopini | 3 |
| Acorn | top shaped with furrows | bush |  |  |  |  |  | absent | orange |  | Table Queen | 4 |
| Neck | bottle-shaped with pointed blossom end | bush |  |  |  | present | orange | present |  |  | Early Prolific Straightneck, Yellow Summer Crookneck | 5 |
| Zucchini | from pear-shaped to elliptical to cylindrical to club‑shaped |  |  |  |  |  |  | present | cream |  | Ambassador, Beiruti, Clarita, Elite, Ibis, Romano | 6 |
| Rounded Zucchini | globular | bush |  |  |  | absent |  | present | cream |  | De Nice à fruit rond, Redondo | 7 |
| Delicata | elliptical | trailing |  | present | absent | absent |  |  |  |  | Delicata | 8 |
| Spaghetti Squash | elliptical | trailing |  |  |  | absent |  | absent | dark yellow to orange | fibrous | Pasta, Vegetable Spaghetti | 9 |
| Rondini | globular | trailing | very small |  | absent | absent |  | present | yellow |  | Little Gem | 10 |
| Ölkürbis | globular | trailing |  |  | present | absent |  |  |  |  | Markant | 11 |
| Other |  |  |  |  |  |  |  |  |  |  |  | 12 |

VI. Characteristics and Symbols

1. To assess distinctness, uniformity and stability, the characteristics and their states as given in the Table of Characteristics should be used.

2. Notes (1 to 9), for the purposes of electronic data processing, are given opposite the states of the different characteristics.

3. Legend:

(\*) Characteristics that should be used every growing cycle for the examinations of all varieties and should always be included in the description of the variety, except when the state of expression of a preceding characteristic or regional environmental conditions render this impossible.

(+) See Explanations on the Table of Characteristics in chapter VIII.

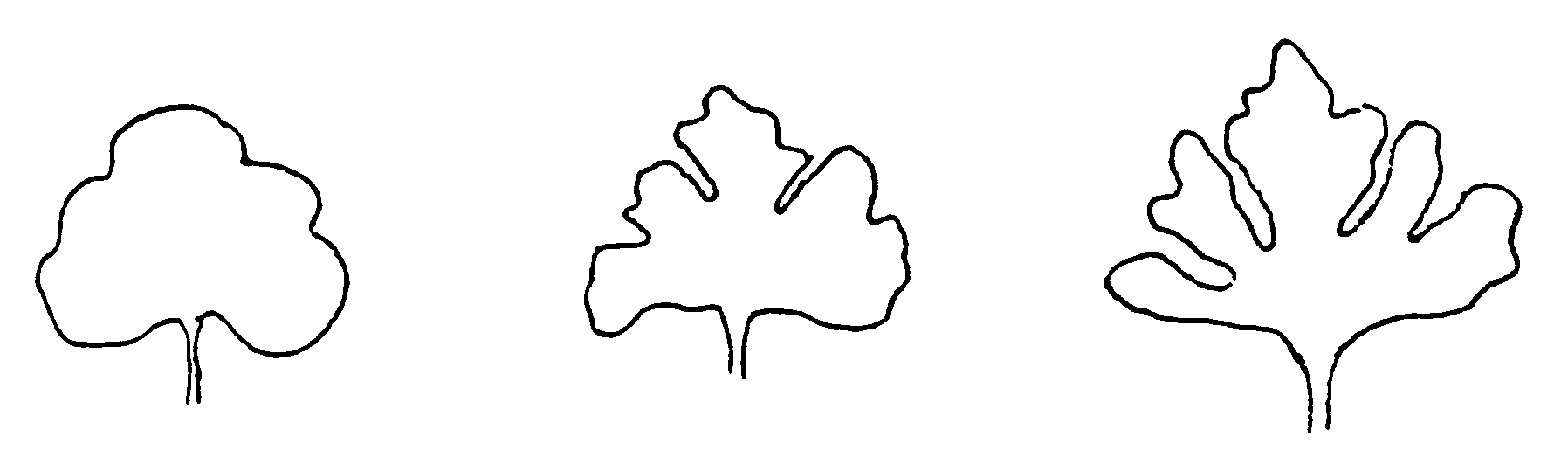
VII. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres

|  | English | français | Deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
| --- | --- | --- | --- | --- | --- | --- |
| 1. | Seedling: shape of cotyledons | Plantule: forme des cotylédons | Keimpflanze: Form der Keimblätter | Plántula: forma de los cotiledones |  |  |
|  | narrow elliptic | elliptique étroit | schmal elliptisch | elíptica estrecha | Bianchini | 1 |
|  | elliptic | elliptique | elliptisch | elíptica | Cora, Tivoli | 2 |
|  | broad elliptic | elliptique large | breit elliptisch | elíptica ancha | Cinderella, Goldi | 3 |
|  | circular | circulaire | rund | circular | Yellow Crookneck | 4 |
|  | obovate | obovale | verkehrt eiförmig | oboval |  | 5 |
| 2. | Seedling: intensity of green color of cotyledons | Plantule: intensité de la couleur verte des cotylédons | Keimpflanze: Intensität der Grünfärbung der Keimblätter | Plántula: intensidad del color verde de los cotiledones |  |  |
|  | very light | très faible | sehr hell | muy claro | Sunburst | 1 |
|  | light | faible | hell | claro | Bianchini | 3 |
|  | medium | moyenne | mittel | medio | Cora | 5 |
|  | dark | forte | dunkel | oscuro | Lidia | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro | Saray | 9 |
| 3. (\*) | Seedling: cross section of cotyledons | Plantule: section transversale des cotylédons | Keimpflanze: Querschnitt der Keimblätter | Plántula: sección transversal de los cotiledones |  |  |
|  | concave | concave | konkav | cóncava |  | 1 |
|  | straight | droite | gerade | recta | Sunburst | 2 |
|  | convex | convexe | konvex | convexa | Bianchini, Yellow Crookneck | 3 |
| 4. (\*) | Plant: growth habit | Plante: type de croissance | Pflanze: Wuchsform | Planta: porte |  |  |
|  | bush | buissonnante | buschig | arbustivo | Greyzini | 1 |
|  | semi-trailing | semi-coureuse | kurze Ausläufer bildend | semirastrero | Cinderella, Everest, Twickers | 2 |
|  | trailing | coureuse | lange Ausläufer bildend | rastrero | Becky, Long Green Trailing | 3 |
| 5. (\*) | Plant: branching | Plante: drageon | Pflanze: Verzweigung | Planta: ramificación |  |  |
|  | absent | absent | fehlend | ausente | Goldi | 1 |
|  | present | présent | vorhanden | presente | Patty Green Tint | 9 |
| 6. | Plant: degree of branching | Plante: intensité du drageonnement | Pflanze: Stärke der Verzweigung | Planta: grado de ramificación |  |  |
|  | very weak | très faible | sehr schwach | muy débil | Cora | 1 |
|  | weak | faible | schwach | débil | Karioka, Verdi | 3 |
|  | medium | moyenne | mittel | medio | Gold Rush, Tivoli | 5 |
|  | strong | forte | stark | fuerte | Blanche non coureuse 3, Jack O’Lantern, Yellow Crookneck | 7 |
|  | very strong | très forte | sehr stark | muy fuerte | Patty Green Tint, Sweet Dumpling | 9 |
| 7. | Bush varieties only: Plant: attitude of petiole (excluding lower external leaves) | Variétés buissonnantes seulement: Plante: port du pétiole (à l’exclusion des feuilles inférieures externes) | Nur buschige Sorten: Pflanze: Stellung desBlattstiels (untere äußere Blätter ausgenommen) | Sólo para variedades arbustivas: Planta: porte del pecíolo (excluidas las hojas inferiores externas) |  |  |
|  | erect | dressé | aufrecht | erecto | Blanche non coureuse 3, Yellow Crookneck | 1 |
|  | erect to semi-erect | dressé à demi-dressé | aufrecht bis halbaufrecht | erecto a semierecto | Sardane | 2 |
|  | semi-erect | demi-dressé | halbaufrecht | semierecto | Arlesa | 3 |
|  | semi-erect to horizontal | demi-dressé à horizontal | halbaufrecht bis waagerecht | semierecto a horizontal | Goldi | 4 |
|  | horizontal | horizontal | waagerecht | horizontal | Ambassador | 5 |
| 8.  (\*) | Stem: color | Tige: couleur | Trieb: Farbe | Tallo: color |  |  |
|  | completely green | entièrement verte | vollständig grün | completamente verde | Becky | 1 |
|  | partly green and  partly yellow | verte et jaune | teils grün und  teils gelb | verde y amarillo | Autumn Gold | 2 |
| 9. | Stem: intensity of green color | Tige: intensité de la couleur verte | Trieb: Intensität der Grünfärbung | Tallo: intensidad del color verde |  |  |
|  | very light | très faible | sehr hell | muy claro | Maayan | 1 |
|  | light | faible | hell | claro | Bianchini | 3 |
|  | medium | moyenne | mittel | medio | Cinderella | 5 |
|  | dark | forte | dunkel | oscuro | Greyzini | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro | Goldrush | 9 |
| 10. | Stem: mottling | Tige: marbrures | Trieb: Marmorierung | Tallo: jaspeado |  |  |
|  | absent | absentes | fehlend | ausente | Cinderella | 1 |
|  | present | présentes | vorhanden | presente | Cora | 9 |
| 11. | Stem: tendrils | Tige: vrilles | Trieb: Ranken | Tallo: zarzillos |  |  |
|  | absent to  rudimentary | absentes ou rudimentaires | fehlend bis rudimentär | ausentes a rudimentarios | Goldrush, Sylvana | 1 |
|  | well developed | bien développées | gut entwickelt | bien desarrollados | Baby Bear, Greyzini | 2 |
| 12. | Leaf blade: size | Limbe: taille | Blattspreite: Größe | Limbo: tamaño |  |  |
|  | very small | très petit | sehr klein | muy pequeño | Becky | 1 |
|  | small | petit | klein | pequeño | Small Sugar | 3 |
|  | medium | moyen | mittel | medio | Ambassador | 5 |
|  | large | grand | groß | grande | Kriti | 7 |
|  | very large | très grand | sehr groß | muy grande |  | 9 |
| 13. (\*) (+) | Leaf blade: incisions | Limbe: incisions | Blattspreite: Einschnitte | Limbo: incisiones |  |  |
|  | absent or  very shallow | absentes ou  très peu profondes | fehlend oder  sehr flach | ausentes o  muy poco profundas | Scallopini | 1 |
|  | shallow | peu profondes | flach | poco profundas | Everest | 3 |
|  | medium | moyennement profondes | mittel | medias | Jackpot | 5 |
|  | deep | profondes | tief | profundas | Civac | 7 |
|  | very deep | très profondes | sehr tief | muy profundas | Isotta | 9 |
| 14. | Leaf blade: intensity of green color of upper surface | Limbe: intensité de la couleur verte de la face supérieure | Blattspreite: Intensität der Grünfärbung der oberen Oberseite | Limbo: intensidad del color verde del haz |  |  |
|  | light | faible | hell | claro | Ghazzi | 3 |
|  | medium | moyenne | mittel | medio | Cora | 5 |
|  | dark | forte | dunkel | oscuro | Everest | 7 |
| 15.  (\*) | Leaf blade: silvery patches | Limbe: taches argentées | Blattspreite: Silberflecken | Limbo: manchas plateadas |  |  |
|  | absent | absentes | fehlend | ausentes | Black Forest, Scallopini | 1 |
|  | present | présentes | vorhanden | presentes | Civac | 9 |
| 16. | Leaf blade: relative area covered by silvery patches | Limbe: surface relative couverte par les taches argentées | Blattspreite: relative Zone der Silberflecken | Limbo: superficie relativa cubierta por manchas plateadas |  |  |
|  | very small | très petite | sehr klein | muy pequeña | Albo | 1 |
|  | small | petite | klein | pequeña | Aziz | 3 |
|  | medium | moyenne | mittel | media | Ambassador | 5 |
|  | large | grande | groß | grande | Cora | 7 |
|  | very large | très grande | sehr groß | muy grande | Summerstar | 9 |
| 17. | Petiole: length | Pétiole: longueur | Blattstiel: Länge | Pecíolo: longitud |  |  |
|  | short | court | kurz | corto | Jack be Little, Karioka | 3 |
|  | medium | moyen | mittel | medio | Goldi | 5 |
|  | long | long | lang | largo | Autumn Gold, Baikal | 7 |
| 18. | Petiole: number of prickles | Pétiole: nombre d’épines | Blattstiel: Anzahl Stacheln | Pecíolo: número de espinas |  |  |
|  | absent or very few | absentes ou très peu nombreuses | fehlend oder sehr gering | ausente o muy bajo | Kojac | 1 |
|  | few | peu nombreuses | gering | bajo | Opaline | 3 |
|  | medium | moyennement nombreuses | mittel | medio | Spidy | 5 |
|  | many | nombreuses | groß | alto | White Bush Scallop | 7 |
|  | very many | très nombreuses | sehr groß | muy alto | Yellow Summer Crookneck | 9 |
| 19. (\*) | Female flower: ring at inner side of corolla | Fleur femelle: anneau intérieur de la corolle | Weibliche Blüte: Ring im Inneren der Krone | Flor femenina: anillo en la parte interna de la corola |  |  |
|  | absent | absent | fehlend | ausente | Cinderella, Greyzini | 1 |
|  | present | présent | vorhanden | presente | Aurore | 9 |
| 20. | Female flower: color of ring at inner side of corolla | Fleur femelle: couleur de l’anneau intérieur de la corolle | Weibliche Blüte: Farbe des Ringes im Inneren der Krone | Flor femenina: color del anillo en la parte interna de la corola |  |  |
|  | yellow | jaune | gelb | amarillo | Diamant, Patro | 1 |
|  | green | vert | grün | verde | Aurore, Early White Bush Scallop, President | 2 |
|  | yellow and green | jaune et vert | gelb und grün | amarillo y verde | Pueblo | 3 |
| 21. | Only varieties with green ring at inner side of corolla: Female flower: intensity of color of green ring at inner side of corolla | Seulement les variétés ayant un anneau à l’intérieur de la corolle: Fleur femelle: intensité de la couleur de l’anneau intérieur de la corolle | Nur Sorten mit grünem Ring im Inneren der Krone: Weibliche Blüte: Intensität der Farbe des grünen Ringes im Inneren der Krone | Sólo variedades con anillo verde en la parte interna de la corola: Flor femenina: intensidad del color verde del anillo en la parte interna de la corola |  |  |
|  | weak | faible | schwach | débil | Maya, Sardane | 3 |
|  | medium | moyenne | mittel | medio | Samba, Senator | 5 |
|  | strong | forte | stark | fuerte | Aristocrat, Diamant | 7 |
| 22. | Male flower: ring at inner side of corolla | Fleur mâle: anneau intérieur de la corolle | Männliche Blüte: Ring im Inneren der Krone | Flor masculina: anillo en la parte interna de la corola |  |  |
|  | absent | absent | fehlend | ausente | Bianchini | 1 |
|  | present | présent | vorhanden | presente | Goldi | 9 |
| 23. (\*) | Male flower: color of ring at inner side of corolla | Fleur mâle: couleur de l’anneau intérieur de la corolle | Männliche Blüte: Farbe des Ringes im Inneren der Krone | Flor masculina: color del anillo en la parte interna de la corola |  |  |
|  | yellow | jaune | gelb | amarillo | Afrodite, Patro, Zyzo, | 1 |
|  | green | vert | grün | verde | Austral, Belor, Goldi | 2 |
|  | yellow and green | jaune et vert | gelb und grün | amarillo y verde | Alice, Carmina, Green Gem, Ibis | 3 |
| 24. | Only varieties with green ring at inner side of corolla: Male flower: intensity of green color of ring at inner side of corolla | Seulement les variétés ayant un anneau à l’intérieur de la corolle: Fleur mâle: intensité de la couleur de l’anneau intérieur de la corolle | Nur Sorten mit grünem Ring im Inneren der Krone: Männliche Blüte: Intensität der Grünfärbung des Ringes im Inneren der Krone | Sólo variedades con anillo verde en la parte interna de la corola: Flor masculina: intensidad del color verde del anillo en la parte interna de la corola |  |  |
|  | weak | faible | gering | débil | Cora | 3 |
|  | medium | moyenne | mittel | medio | Verdi | 5 |
|  | strong | forte | stark | fuerte | Goldi | 7 |
| 25. | Only Zucchini type varieties: Young fruit: ratio length/maximum diameter | Seulement les variétés de type courgette: Jeune fruit: rapport longueur/diamètre maximal | Nur Sorten vom Typ Zucchini: Junge Frucht: Verhältnis Länge/maximaler Durchmesser | Sólo para variedades tipo Zucchini: Fruto joven: relación entre la longitud y el diámetro máximo |  |  |
|  | very small | très faible | sehr klein | muy pequeña | Ghazzi | 1 |
|  | small | faible | klein | pequeña | Opal | 3 |
|  | medium | moyen | mittel | media | Cora | 5 |
|  | large | élevé | groß | grande | Carlotta | 7 |
|  | very large | très élevé | sehr groß | muy grande | Spidy | 9 |
| 26.   (+) | Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape | Seulement les variétés de type courgette et courgette ronde: Jeune fruit: forme générale | Nur Sorten vom Typ Zucchini und Rounded Zucchini: Junge Frucht: allgemeine Form | Sólo para variedades de tipo Zucchini y Rounded Zucchini: Fruto joven: forma general |  |  |
|  | globular | globuleuse | kugelförmig | globular | De Nice à Fruit Rond | 1 |
|  | pear shaped | piriforme | birnenförmig | en forma de pera | Clarita | 2 |
|  | tapered elliptical | elliptique pyramidale | verjüngt elliptisch | elíptica afilada | Top Kapi | 3 |
|  | elliptical | elliptique | elliptisch | elíptica | Table Dainty | 4 |
|  | cylindrical | cylindrique | zylindrisch | cilíndrica | Ambassador, Ibis | 5 |
|  | tapered cylindrical | cylindrique pyramidale | verjüngt zylindrisch | cilíndrica afilada |  | 6 |
| 27. (\*) | Young fruit: main color of skin (excluding color of ribs or grooves) | Jeune fruit: couleur principale de l’épiderme (à l’exclusion de la couleur des côtes ou des cannelures) | Junge Frucht: Hauptfarbe der Schale (Farbe der Rippen oder Furchen ausgenommen) | Fruto joven: color principal de la epidermis (excluido el color del acostillado o de las acanaladuras) |  |  |
|  | white | blanc | weiß | blanco | White Bush Scallop | 1 |
|  | cream | crème | cremefarben | crema | Tivoli | 2 |
|  | yellow | jaune | gelb | amarillo | Goldi | 3 |
|  | green | vert | grün | verde | Elite, Opal, Romano | 4 |
|  | partly white and partly yellow | blanc et jaune | teils weiß und teils gelb | blanco y amarillo |  | 5 |
|  | partly white and partly green | blanc et vert | teils weiß und teils grün | blanco y verde |  | 6 |
|  | partly yellow and partly green | jaune et vert | teils gelb und teils grün | amarillo y verde | Sunburst, Zephyr | 7 |
| 28. | Only varieties with yellow color of skin: Young fruit: intensity of yellow color of skin  (as for 27) | Seulement les variétés dont l’épiderme est de couleur jaune: Jeune fruit: intensité de la couleur jaune de l’épiderme (comme pour 27) | Nur Sorten mit Gelbfärbung der Schale: Junge Frucht: Intensität der Gelbfärbung der Schale (wie für 27) | Sólo variedades con epidermis de color amarillo: Fruto joven: intensidad del color amarillo de la epidermis  (como para 27) |  |  |
|  | very light | très faible | sehr hell | muy claro |  | 1 |
|  | light | faible | hell | claro |  | 3 |
|  | medium | moyenne | mittel | medio |  | 5 |
|  | dark | forte | dunkel | oscuro |  | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro |  | 9 |
| 29. | Only varieties with green color of skin: Young fruit: intensity of green color of skin  (as for 27) | Seulement les variétés dont l’épiderme est de couleur verte: Jeune fruit: intensité de la couleur verte de l’épiderme  (comme pour 27) | Nur Sorten mit Grünfärbung der Schale: Junge Frucht: Intensität der Grünfärbung der Schale  (wie für 27) | Sólo variedades con epidermis de color verde: Fruto joven: intensidad del color verde de la epidermis  (como para 27) |  |  |
|  | very light | très faible | sehr hell | muy claro | Clarita, Goya, Patty Green Tint | 1 |
|  | light | faible | hell | claro | Arlika | 3 |
|  | medium | moyenne | mittel | medio | Baccara | 5 |
|  | dark | forte | dunkel | oscuro | Arlesa, Sandra, Zefira | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro | Carnaval, Corsair | 9 |
| 30.  (\*) (+) | Fruit: general shape | Fruit: forme générale | Frucht: allgemeine Form | Fruto: forma general |  |  |
|  | disc shaped | en disque | scheibenförmig | en forma de disco |  | 1 |
|  | transverse elliptical | elliptique transversale | quer elliptisch | elíptica transversal |  | 2 |
|  | transverse broad elliptical | elliptique transversale large | quer breit elliptisch | elíptica transversal ancha |  | 3 |
|  | globular | globuleuse | kugelförmig | globular |  | 4 |
|  | top shaped | en toupie | kreiselförmig | en forma de tocado |  | 5 |
|  | broad elliptical | elliptique large | breit elliptisch | elíptica ancha |  | 6 |
|  | ovate | ovale | eiförmig | oval |  | 7 |
|  | elliptical | elliptique | elliptisch | elíptica |  | 8 |
|  | cylindrical | cylindrique | zylindrisch | cilíndrica |  | 9 |
|  | pear shaped | piriforme | birnenförmig | en forma de pera |  | 10 |
|  | bottle shaped | en calebasse | flaschenförmig | en forma de botella |  | 11 |
|  | club shaped | en massue | keulenförmig | en forma de maza |  | 12 |
| 31.1 (\*) | Only Scallop type varieties: Fruit: length | Seulement les variétés de type Scallop: Fruit: longueur | Nur Sorten vom Typ Scallop: Frucht: Länge | Sólo para variedades de tipo Scallop: Fruto: longitud |  |  |
|  | short | court | kurz | corto | Bennings Green Tint | 3 |
|  | medium | moyen | mittel | medio | Sunburst | 5 |
|  | long | long | lang | largo | Yellow Bush Scallop | 7 |
| **31.2 (\*)** | **Only Acorn type varieties: Fruit: length** | **Seulement les variétés de type Acorn: Fruit: longueur** | **Nur Sorten vom Typ Acorn: Frucht: Länge** | **Sólo para variedades de tipo Acorn: Fruto: longitud** |  |  |
|  | short | court | kurz | corto | Table Gold | 3 |
|  | medium | moyen | mittel | medio | Swan White Acorn | 5 |
|  | long | long | lang | largo | Ebony Table Queen | 7 |
| 31.3 (\*) | Only Neck type varieties: Fruit: length | Seulement les variétés de type Neck: Fruit: longueur | Nur Sorten vom Typ Neck: Frucht: Länge | Sólo para variedades de tipo Neck: Fruto: longitud |  |  |
|  | short | court | kurz | corto | Wryneck | 3 |
|  | medium | moyen | mittel | medio | Yellow Summer Crookneck | 5 |
|  | long | long | lang | largo | Sunbar | 7 |
| 31.4 (\*) | Only Zucchini type varieties: Fruit: length | Seulement les variétés de type courgette: Fruit: longueur | Nur Sorten vom Typ Zucchini: Frucht: Länge | Sólo para variedades de tipo Zucchini: Fruto: longitud |  |  |
|  | very short | très court | sehr kurz | muy corto | Jericho | 1 |
|  | short | court | kurz | corto | Jedida | 3 |
|  | medium | moyen | mittel | medio | Cora | 5 |
|  | long | long | lang | largo | Carlotta | 7 |
|  | very long | très long | sehr lang | muy largo | Altea | 9 |
| 32.1 | Only Scallop type varieties: Fruit: maximum diameter | Seulement les variétés de type Scallop: Fruit: diamètre maximal | Nur Sorten vom Typ Scallop: Frucht: maximaler Durchmesser | Sólo para variedades de tipo Scallop: Fruto: diámetro máximo |  |  |
|  | small | petit | klein | pequeño | Scallopini | 3 |
|  | medium | moyen | mittel | medio | Yellow Bush Scallop | 5 |
|  | large | grand | groß | grande | White Bush Scallop | 7 |
| 32.2 | Only Acorn type varieties: Fruit: maximum diameter | Seulement les variétés de type Acorn: Fruit: diamètre maximal | Nur Sorten vom Typ Acorn: Frucht: maximaler Durchmesser | Sólo para variedades de tipo Acorn: Fruto: diámetro máximo |  |  |
|  | small | petit | klein | pequeño | Table Gold | 3 |
|  | medium | moyen | mittel | medio | Table King | 5 |
|  | large | grand | groß | grande | Swan White Acorn | 7 |
| 32.3 | Only Zucchini type varieties: Fruit: maximum diameter | Seulement les variétés de type courgette: Fruit: diamètre maximal | Nur Sorten vom Typ Zucchini: Frucht: maximaler Durchmesser | Sólo para variedades de tipo Zucchini: Fruto: diámetro máximo |  |  |
|  | small | petit | klein | pequeño | Goldi | 3 |
|  | medium | moyen | mittel | medio | Opal | 5 |
|  | large | grand | groß | grande | Jericho, Spidi | 7 |
| 33.1 | Only Scallop type varieties: Fruit: ratio length/ maximum diameter | Seulement les variétés de type Scallop: Fruit: rapport longueur/ diamètre maximal | Nur Sorten vom Typ Scallop: Frucht: Verhältnis Länge/maximaler Durchmesser | Sólo para variedades de tipo Scallop: Fruto: relación entre la longitud y el diámetro máximo |  |  |
|  | small | faible | klein | pequeña | White Bush Scallop | 3 |
|  | medium | moyen | mittel | media | Scallopini | 5 |
|  | large | élevé | groß | grande | Sunburst | 7 |
| 33.2 | Only Acorn type varieties: Fruit: ratio length/ maximum diameter | Seulement les variétés de type Acorn: Fruit: rapport longueur/ diamètre maximal | Nur Sorten vom Typ Acorn: Frucht: Verhältnis Länge/maximaler Durchmesser | Sólo para variedades de tipo Acorn: Fruto: relación entre la longitud y el diámetro máximo |  |  |
|  | small | faible | klein | pequeña | Heart of Gold | 3 |
|  | medium | moyen | mittel | media | Table Gold | 5 |
|  | large | élevé | groß | grande | Table King | 7 |
| 33.3 | Only Zucchini type varieties: Fruit: ratio length/ maximum diameter | Seulement les variétés de type courgette: Fruit: rapport longueur/ diamètre maximal | Nur Sorten vom Typ Zucchini: Frucht: Verhältnis Länge/maximaler Durchmesser | Sólo para variedades de tipo Zucchini: Fruto: relación entre la longitud y el diámetro máximo |  |  |
|  | very small | très faible | sehr klein | muy pequeña | Jericho | 1 |
|  | small | faible | klein | pequeña | Jedida | 3 |
|  | medium | moyen | mittel | media | Cora | 5 |
|  | large | élevé | groß | grande | Carlotta | 7 |
|  | very large | très élevé | sehr groß | muy grande | Tarquinio | 9 |
| 34.1 (\*) | Only Pumpkin type varieties: Fruit: size | Seulement les variétés de type Courge: Fruit: taille | Nur Sorten vom Typ Pumpkin: Frucht: Größe | Sólo para variedades de tipo Pumpkin: Fruto: tamaño |  |  |
|  | very small | très petit | sehr klein | muy pequeño | Wee-B-Little | 1 |
|  | small | petit | klein | pequeño | Peek-a-Boo | 3 |
|  | medium | moyen | mittel | medio | Spirit | 5 |
|  | large | grand | groß | grande | Ghost Rider | 7 |
|  | very large | très grand | sehr groß | muy grande | Howden | 9 |
| 34.2 (\*) | Only Rondini type varieties: Fruit: size | Seulement les variétés de type Rondini: Fruit: taille | Nur Sorten vom Typ Rondini: Frucht: Größe | Sólo para variedades de tipo Rondini: Fruto: tamaño |  |  |
|  | small | petit | klein | pequeño | Pomme d’Or | 3 |
|  | medium | moyen | mittel | medio | Rolet | 5 |
|  | large | grand | groß | grande | Little Gem | 7 |
| 35. | Only Miniature Pumpkin type varieties: Fruit: peduncle end | Seulement les variétés de type Miniature Courge: Fruit: extrémité du pédoncule | Nur Sorten vom Typ Miniature Pumpkin: Frucht: Stielende | Sólo para variedades de tipo Miniature Pumpkin: Fruto: extremo del pedúnculo |  |  |
|  | straight | droite | gerade | recta | Sweetie Pie | 1 |
|  | concave | concave | konkav | cóncava | Jack Be Little | 2 |
| 36. | Only Scallop type varieties: Fruit: protrusion of equatorial margin | Seulement les variétés de type Scallop: Fruit: protubérance du bord arrondi | Nur Sorten vom Typ Scallop: Frucht: Hervorstehen des Äquatorialrandes | Sólo para variedades de tipo Scallop: Fruto: protuberancia del margen ecuatorial |  |  |
|  | weak | faible | gering | débil | Scallopini | 3 |
|  | medium | moyenne | mittel | media | Sunburst | 5 |
|  | strong | forte | stark | fuerte | White Bush Scallop | 7 |
| 37. | Only Scallop type varieties: Fruit: position of equatorial margin | Seulement les variétés de type Scallop: Fruit: emplacement du bord arrondi | Nur Sorten vom Typ Scallop: Frucht: Position des Äquatorialrandes | Sólo para variedades de tipo Scallop: Fruto: situación del margen ecuatorial |  |  |
|  | at the middle | au milieu | in der Mitte | en el centro | Sunburst | 1 |
|  | towards stem end | vers la base | gegen das Stielende | hacia la base | Golden Bush Scallop | 2 |
| 38. | Only Scallop type varieties: Fruit: peduncle end | Seulement les variétés de type Scallop: Fruit: extrémité du pédoncule | Nur Sorten vom Typ Scallop: Frucht: Fruchtstielende | Sólo para variedades de tipo Scallop: Fruto: extremo del pedúnculo |  |  |
|  | straight | droite | gerade | recta | White Bush Scallop | 1 |
|  | convex | convexe | konvex | convexa | Yellow Bush Scallop | 2 |
| 39. | Only Scallop type varieties: Fruit: blossom end | Seulement les variétés de type Scallop: Fruit: sommet | Nur Sorten vom Typ Scallop: Frucht: Blütenende | Sólo para variedades de tipo Scallop: Fruto: extremo distal |  |  |
|  | flat | aplati | flach | plano | Scallopini | 1 |
|  | indented | échancré | eingesenkt | hundido | Yellow Bush Scallop | 2 |
| 40. | Only Acorn type varieties: Fruit: position of maximum diameter | Seulement les variétés de type Acorn: Fruit: emplacement du diamètre maximal | Nur Sorten vom Typ Acorn: Frucht: Position des maximalen Durchmessers | Sólo para variedades de tipo Acorn: Fruto: situación del diámetro máximo |  |  |
|  | at the middle | au milieu | in der Mitte | en el centro | Ebony Table Queen | 1 |
|  | towards stem end | vers la base | gegen das Stielende | hacia la base | Swan White Acorn | 2 |
| 41. | Only Acorn type varieties: Fruit: peduncle end | Seulement les variétés de type Acorn: Fruit: extrémité du pédoncule | Nur Sorten vom Typ Acorn: Frucht: Stielende | Sólo para variedades de tipo Acorn: Fruto: extremo del pedúnculo |  |  |
|  | concave | concave | konkav | cóncava | Swan White Acorn | 1 |
|  | straight | droite | gerade | recta | Table King | 2 |
|  | convex | convexe | konvex | convexa | Ebony Table Queen | 3 |
| 42. | Only Neck type varieties: Fruit: length of neck | Seulement les variétés de type Neck: Fruit: longueur du col | Nur Sorten vom Typ Neck: Frucht: Länge des Halses | Sólo para variedades de tipo Neck: Fruto: longitud del cuello |  |  |
|  | short | court | kurz | corto | Wryneck | 3 |
|  | medium | moyen | mittel | medio | Yellow Summer Crookneck | 5 |
|  | long | long | lang | largo | Sundance | 7 |
| 43. | Only Neck type varieties: Fruit: diameter of neck in relation to maximum diameter | Seulement les variétés de type Neck: Fruit: diamètre du col par rapport au diamètre maximal | Nur Sorten vom Typ Neck: Frucht: Durchmesser des Halses im Verhältnis zum maximalen Durchmesser | Sólo para variedades de tipo Neck: Fruto: diámetro del cuello en relación con el diámetro máximo |  |  |
|  | small | petit | klein | pequeño | Sundance | 3 |
|  | medium | moyen | mittel | mediano | Yellow Summer Crookneck | 5 |
|  | large | grand | groß | grande | Sunbar | 7 |
| 44. (\*) | Only Neck type varieties: Fruit: curving of neck | Seulement les variétés de type Neck: Fruit: courbure du col | Nur Sorten vom Typ Neck: Frucht: Krümmung des Halses | Sólo para variedades de tipo Neck: Fruto: curvatura del cuello |  |  |
|  | absent | absente | fehlend | ausente | Early Prolific Straightneck | 1 |
|  | present | présente | vorhanden | presente | Yellow Summer Crookneck | 9 |
| 45. | Only Neck and Zucchini type varieties: Fruit: blossom end | Seulement les variétés de type Neck et courgette: Fruit: sommet | Nur Sorten vom Typ Neck und Zucchini: Frucht: Blütenende | Sólo para variedades de tipo Neck y Zucchini: Fruto: extremo distal |  |  |
|  | rounded | arrondi | abgerundet | redondeado |  | 1 |
|  | pointed | pointu | spitz | puntiagudo |  | 2 |
| 46.  (\*) | Fruit: grooves | Fruit: cannelures | Frucht: Furchen | Fruto: acanaladuras |  |  |
|  | absent | absentes | fehlend | ausentes |  | 1 |
|  | present | présentes | vorhanden | presentes |  | 9 |
| 47. | Fruit: depth of grooves | Fruit: profondeur des cannelures | Frucht: Tiefe der Furchen | Fruto: profundidad de las acanaladuras |  |  |
|  | very shallow | très peu profondes | sehr flach | muy poco profundas | Spooktacular | 1 |
|  | shallow | peu profondes | flach | poco profundas | Connecticut Field | 3 |
|  | medium | moyennement profondes | mittel | medianas | Delicata, Table Queen | 5 |
|  | deep | profondes | tief | profundas | Jack Be Little, Swan White Acorn | 7 |
|  | very deep | très profondes | sehr tief | muy profundas | Heart of Gold, Sweet Dumpling | 9 |
| 48.  (\*) | Fruit: ribs | Fruit: côtes | Frucht: Rippen | Fruto: acostillado |  |  |
|  | absent | absentes | fehlend | ausente |  | 1 |
|  | present | présentes | vorhanden | presente |  | 9 |
| 49. | Fruit: protrusion of ribs | Fruit: protubérance des côtes | Frucht: Hervorstehen der Rippen | Fruto: protuberancia del acostillado |  |  |
|  | very weak | très faible | sehr schwach | muy débil | Leda, Tivoli | 1 |
|  | weak | faible | schwach | débil | Ambassador | 3 |
|  | medium | moyenne | mittel | medio | Ibis, Opal | 5 |
|  | strong | forte | stark | fuerte | Spidi | 7 |
|  | very strong | très forte | sehr stark | muy fuerte | Mogango Enrugado Mineiro, Tonda Padana | 9 |
| 50. (\*) | Fruit: main color of skin (excluding color of dots, patches, stripes and bands) | Fruit: couleur principale de l’épiderme (à l’exclusion de la couleur des points, taches, stries et bandes) | Frucht: Hauptfarbe der Schale (Farbe der Punkte, Flecken, Streifen und Bänder ausgenommen) | Fruto: color principal de la epidermis (excluido el color de los lunares, las manchas, rayas y bandas) |  |  |
|  | white | blanc | weiß | blanco | Pâtisson blanc panaché de vert | 1 |
|  | cream | crème | cremefarben | crema | Early White Bush Scallop, Little Boo | 2 |
|  | yellow | jaune | gelb | amarillo | Autumn Gold | 3 |
|  | green | vert | grün | verde | Ambassador, Baby Bear | 4 |
|  | partly white and partly yellow | blanc et jaune | teils weiß und teils gelb | blanco y amarillo |  | 5 |
|  | partly white and partly green | blanc et vert | teils weiß und teils grün | blanco y verde |  | 6 |
|  | partly yellow and partly green | jaune et vert | teils gelb und teils grün | amarillo y verde | Sunburst, Zephyr | 7 |
| 51. | Only varieties with yellow color of skin: Fruit: intensity of yellow color of skin (as for 50) | Seulement les variétés dont l’épiderme est de couleur jaune: Fruit: intensité de la couleur jaune de l’épiderme (comme pour. 50) | Nur Sorten mit Gelbfärbung der Schale: Frucht: Intensität der Gelbfärbung der Schale (wie für 50) | Sólo variedades con epidermis de color amarillo: Fruto: intensidad del color amarillo de la epidermis (como para 50) |  |  |
|  | very light | très faible | sehr hell | muy claro |  | 1 |
|  | light | faible | hell | claro |  | 3 |
|  | medium | moyenne | mittel | medio |  | 5 |
|  | dark | forte | dunkel | oscuro |  | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro |  | 9 |
| 52. | Only varieties with green color of skin: Fruit: intensity of green color of skin (as for 50) | Seulement les variétés dont l’épiderme est de couleur verte: Fruit: intensité de la couleur verte de l’épiderme (comme pour 50) | Nur Sorten mit Grünfärbung der Schale: Frucht: Intensität der Grünfärbung der Schale  (wie für 50) | Sólo variedades con epidermis de color verde: Fruto: intensidad del color verde de la epidermis (como para 50) |  |  |
|  | very light | très faible | sehr hell | muy claro |  | 1 |
|  | light | faible | hell | claro |  | 3 |
|  | medium | moyenne | mittel | medio |  | 5 |
|  | dark | forte | dunkel | oscuro | Cora | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro | Baby Bear, Sardane | 9 |
| 53. | Varieties with two main colors only: Fruit: distribution of green color | Variétés à deux couleurs principales seulement: Fruit: répartition de la couleur verte | Nur Sorten mit zwei Hauptfarben: Frucht: Verteilung der Grünfärbung | Sólo para variedades con dos colores principales: Fruto: distribución del color verde |  |  |
|  | green ring around blossom end | anneau vert autour du sommet | grüner Ring um das Blütenende | anillo verde alrededor del extremo distal | Sunburst | 1 |
|  | from blossom end one third green | un tiers de la surface à partir du sommet | ab dem apikalen Teil ein Drittel grün | un tercio verde a partir del extremo distal | Zephyr | 2 |
|  | from blossom end one half green | la moitié de la surface à partir du sommet | ab dem apikalen Teil eine Hälfte grün | la mitad verde a partir del extremo distal |  | 3 |
| 54.  (+) | Fruit: stripes in grooves | Fruit: stries dans les cannelures | Frucht: Streifen in den Furchen | Fruto: rayas en las acanaladuras |  |  |
|  | absent | absentes | fehlend | ausentes | Baby Bear, Jack Be Little | 1 |
|  | present | présentes | vorhanden | presentes | Delicata, Heart of Gold, Pâtisson jaune panaché de vert | 9 |
| 55. | Fruit: color of stripes in grooves | Fruit: couleur des stries dans les cannelures | Frucht: Farbe der Streifen in den Furchen | Fruto: color de las rayas en las acanaladuras |  |  |
|  | dark green | vert foncé | dunkelgrün | verde oscuro | Sweet Dumpling | 1 |
|  | yellow | jaune | gelb | amarillo | Puccini | 2 |
| 56.  (+) | Fruit: color of ribs compared to main color of skin  (as for 50) | Fruit: couleur des côtes par rapport à la couleur principale de l’épiderme  (comme pour 50) | Frucht: Farbe der Rippen im Vergleich zur Hauptfarbe der Schale (wie für 50) | Fruto: color del acostillado en relación con el color principal de la epidermis  (como para 50) |  |  |
|  | same | identiques | gleich | mismo color | Grey Zucchini | 1 |
|  | darker | plus foncées | dunkler | más oscuro | De Nice à Fruit Rond, Orangetti | 2 |
| 57.  (+) | Fruit: dots | Fruit: ponctuations | Frucht: Punkte | Fruto: lunares |  |  |
|  | absent | absentes | fehlend | ausentes | Sunburst | 1 |
|  | present | présentes | vorhanden | presentes | Gold Rush, Table Queen | 9 |
| 58. | Fruit: size of main dots | Fruit: taille des ponctuations principales | Frucht: Größe der Hauptpunkte | Fruto: tamaño de los lunares principales |  |  |
|  | very small | très petites | sehr klein | muy pequeños | Badger Cross | 1 |
|  | small | petites | klein | pequeños | Ambassador | 3 |
|  | medium | moyennes | mittel | medianos | Grey Zucchini | 5 |
|  | large | grandes | groß | grandes | Kingsize | 7 |
|  | very large | très grandes | sehr groß | muy grandes | Becky | 9 |
| 59.  (+) | Fruit: secondary green color between ribs (excluding dots) | Fruit: couleur verte secondaire entre les côtes (à l’exclusion des ponctuations) | Frucht: sekundäre Grünfärbung zwischen den Rippen (Punkte ausgenommen) | Fruto: color verde secundario entre el acostillado (excluidos los lunares) |  |  |
|  | absent | absente | fehlend | ausente | Grey Zucchini, Small Sugar | 1 |
|  | present | présente | vorhanden | presente | Beatrice, Greyzini, Heart of Gold, Steierischer Ölkürbis, Tonda Padana, Zubi | 9 |
| 60.  (+) | Fruit: intensity of secondary green color between ribs | Fruit: intensité de la couleur verte secondaire entre les côtes | Frucht: Intensität der sekundären Grünfärbung zwischen den Rippen | Fruto: intensidad del color verde secundario entre el acostillado |  |  |
|  | very light | très faible | sehr hell | muy claro |  | 1 |
|  | light | faible | hell | claro |  | 3 |
|  | medium | moyenne | mittel | medio |  | 5 |
|  | dark | forte | dunkel | oscuro |  | 7 |
|  | very dark | très forte | sehr dunkel | muy oscuro | Heart of Gold | 9 |
| 61.  (+) | Fruit: distribution of secondary green color between ribs | Fruit: répartition de la couleur verte secondaire entre les côtes | Frucht: Verteilung der sekundären Grünfärbung zwischen den Rippen | Fruto: distribución del color verde secundario entre el acostillado |  |  |
|  | sparse patches | taches éparses | lockere Flecken | manchas laxas | Greyzini, Elite | 1 |
|  | dense patches | taches denses | dichte Flecken | manchas densas | Steierischer Ölkürbis | 2 |
|  | one colored stripes | stries unicolores | einfarbige Streifen | rayas de un color | Altea | 3 |
|  | two colored stripes | stries bicolores | zweifarbige Streifen | rayas de dos colores |  | 4 |
|  | one colored bands covering the whole surface | bandes unicolores couvrant toute la surface | einfarbige Bänder an der ganzen Oberfläche | bandas de un solo color que cubren  toda la superficie | Badger Cross, Twickers, Zubi | 5 |
|  | two colored bands covering the whole surface | bandes bicolores couvrant toute la surface | zweifarbige Bänder an der ganzen Oberfläche | bandas bicolores  que cubren toda la superficie | Beatrice | 6 |
| 62. (\*) | Fruit: warts on skin | Fruit: verrues sur l’épiderme | Frucht: Auswüchse auf der Schale | Fruto: verrugas en la epidermis |  |  |
|  | absent | absentes | fehlend | ausentes |  | 1 |
|  | present | présentes | vorhanden | presentes |  | 9 |
| 63. | Fruit: number of warts on skin | Fruit: nombre de verrues sur l’épiderme | Frucht: Anzahl Auswüchse auf der Schale | Fruto: número de verrugas en la epidermis |  |  |
|  | very few | très peu nombreuses | sehr gering | muy bajo | Scallopini | 1 |
|  | few | peu nombreuses | gering | bajo |  | 3 |
|  | medium | moyennement nombreuses | mittel | medio | Patisson verruqueux panaché | 5 |
|  | many | nombreuses | groß | alto | Yellow Summer Crookneck | 7 |
|  | very many | très nombreuses | sehr groß | muy alto | Wryneck | 9 |
| 64. | Fruit: size of flower scar | Fruit: taille de la cicatrice florale | Frucht: Größe der Blütennarbe | Fruto: tamaño de la cicatriz floral |  |  |
|  | very small | très petite | sehr klein | muy pequeña | Jack be Little | 1 |
|  | small | petite | klein | pequeña | Goldi | 3 |
|  | medium | moyenne | mittel | media | Spidi | 5 |
|  | large | grande | groß | grande | Cinderella | 7 |
|  | very large | très grande | sehr groß | muy grande | Howden | 9 |
| 65. | Fruit: length of peduncle | Fruit: longueur du pédoncule | Frucht: Länge des Stieles | Fruto: longitud del pedúnculo |  |  |
|  | very short | très court | sehr kurz | muy corto | Arlesa | 1 |
|  | short | court | kurz | corto | Clarita | 3 |
|  | medium | moyen | mittel | medio | Cinderella | 5 |
|  | long | long | lang | largo | Tivoli | 7 |
|  | very long | très long | sehr lang | muy largo | Western Sunrise | 9 |
| 66. | Fruit: color of peduncle | Fruit: couleur du pédoncule | Frucht: Farbe des Stieles | Fruto: color del pedúnculo |  |  |
|  | yellow | jaune | gelb | amarillo |  | 1 |
|  | green | vert | grün | verde | Ambassador | 2 |
|  | partly yellow and partly green | jaune et vert | teils gelb und teils grün | amarillo y verde | Autumn Gold | 3 |
| 67. | Fruit: intensity of green color of peduncle | Fruit: intensité de la couleur verte du pédoncule | Frucht: Intensität der Grünfärbung des Stieles | Fruto: intensidad del color verde del pedúnculo |  |  |
|  | light | faible | hell | claro | Bianchini | 3 |
|  | medium | moyenne | mittel | medio | Sunburst | 5 |
|  | dark | forte | dunkel | oscuro | Gold Rush | 7 |
| 68. | Fruit: mottling of peduncle | Fruit: marbrures du pédoncule | Frucht: Marmorierung des Stieles | Fruto: jaspeado del pedúnculo |  |  |
|  | absent | absentes | fehlend | ausente | Sunburst | 1 |
|  | present | présentes | vorhanden | presente | Elite | 9 |
| 69.  (\*) (+) | Ripe fruit: main color of skin (excluding color of mottles, patches, stripes and bands) | Fruit mûr: couleur principale de l’épiderme (à l’exclusion de la couleur des marbrures, taches, stries et bandes) | Reife Frucht: Hauptfarbe der Schale (Farbe der Marmorierung, der Flecken, Streifen und Bänder ausgenommen) | Fruto maduro: color principal de la epidermis (excluido el color del jaspeado, manchas, rayas y bandas) |  |  |
|  | white | blanc | weiß | blanco | Pâtisson blanc panaché de vert | 1 |
|  | whitish | blanchâtre | weißlich | blanquecino | White Bush Scallop | 2 |
|  | cream | crème | cremefarben | crema | Bianchini, Opal | 3 |
|  | yellow | jaune | gelb | amarillo | Gold Rush | 4 |
|  | orange | orange | orange | naranja | Autumn Gold | 5 |
| 70. | Ripe fruit: intensity of main color of skin (only yellow and orange) | Fruit mûr: intensité de la couleur principale de l’épiderme (jaune et orange seulement) | Reife Frucht: Intensität der Hauptfarbe der Schale (nur gelb und orange) | Fruto maduro: intensidad del color principal de la epidermis (sólo amarillo y naranja) |  |  |
|  | light | faible | hell | claro |  | 3 |
|  | medium | moyenne | mittel | medio |  | 5 |
|  | dark | forte | dunkel | oscuro |  | 7 |
| 71. (\*) | Ripe fruit: secondary color of skin (as for 69) | Fruit mûr: couleur secondaire de l’épiderme  (comme pour 69) | Reife Frucht: Sekundärfarbe der Schale (wie für 69) | Fruto maduro: color secundario de la epidermis  (como para 69) |  |  |
|  | whitish | blanchâtre | weißlich | blanquecino |  | 1 |
|  | cream | crème | cremefarben | crema |  | 2 |
|  | yellow | jaune | gelb | amarillo |  | 3 |
|  | orange | orange | orange | naranja |  | 4 |
|  | green | vert | grün | verde |  | 5 |
| 72. | Ripe fruit: green hue (only white and cream) | Fruit mûr: teinte verte (blanc et crème seulement) | Reife Frucht: Grünton (nur weiß und cremefarben) | Fruto maduro: matiz verde (sólo blanco y crema) |  |  |
|  | absent | absente | fehlend | ausente | Jedida | 1 |
|  | present | présente | vorhanden | presente | Amalthee | 9 |
| 73. | Ripe fruit: prominence of green hue (as for 72) | Fruit mûr: prédominance de la teinte verte  (comme pour 72) | Reife Frucht: Ausprägung des Grüntons  (wie für 72) | Fruto maduro: prominencia del tono verde  (como para 72) |  |  |
|  | weak | faible | gering | débil | Eskenderany | 3 |
|  | medium | moyenne | mittel | medio | Corona | 5 |
|  | strong | forte | stark | fuerte | Amalthee | 7 |
| 74. (\*) | Ripe fruit: color of flesh | Fruit mûr: couleur de la chair | Reife Frucht: Farbe des Fleisches | Fruto maduro: color de la pulpa |  |  |
|  | cream | crème | cremefarben | crema | Elite | 1 |
|  | yellow | jaune | gelb | amarillo | Sunburst, Vegetable Spaghetti | 2 |
|  | orange | orange | orange | naranja | Autumn Gold | 3 |
| 75. | Ripe fruit: lignified rind | Fruit mûr: écorce lignifiée | Reife Frucht: verholzte Schale | Fruto maduro: corteza lignificada |  |  |
|  | absent | absente | fehlend | ausente | Small Sugar, Table Queen, Vegetable Spaghetti | 1 |
|  | present | présente | vorhanden | presente | Elite, Little Gem, Scallopini, Yellow Summer Crookneck | 9 |
| 76. (\*) | Ripe fruit: structure of flesh | Fruit mûr: structure de la chair | Reife Frucht: Struktur des Fleisches | Fruto maduro: estructura de la pulpa |  |  |
|  | not fibrous | non fibreuse | nicht fibrös | no fibrosa | Elite | 1 |
|  | fibrous | fibreuse | fibrös | fibrosa | Vegetable Spaghetti | 2 |
| 77. | Seed: size | Semence: taille | Samen: Größe | Semilla: tamaño |  |  |
|  | very small | très petite | sehr klein | muy pequeña | Jack be Little | 1 |
|  | small | petite | klein | pequeña | Delicata | 3 |
|  | medium | moyenne | mittel | media | Diamant | 5 |
|  | large | grande | groß | grande |  | 7 |
|  | very large | très grande | sehr groß | muy grande | Citrouille de Touraine | 9 |
| 78. | Seed: shape | Semence: forme | Samen: Form | Semilla: forma |  |  |
|  | narrow elliptic | elliptique étroite | schmal elliptisch | elíptica estrecha | Caserta | 3 |
|  | elliptic | elliptique | elliptisch | elíptica | Elite | 5 |
|  | broad elliptic | elliptique large | breit elliptisch | elíptica ancha | Baby Boo | 7 |
| 79. | Seed: hull | Semence: enveloppe | Samen: Samenschale | Semilla: cáscara |  |  |
|  | absent | absente | fehlend | ausente | Chapingo Uno, Steierischer Ölkürbis | 1 |
|  | present | présente | vorhanden | presente | Baby Bear, Elite | 9 |
| 80. | Seed: appearance of hull | Semence: aspect de l’enveloppe | Samen: Aussehen der Samenschale | Semilla: aspecto de la cáscara |  |  |
|  | rudimentary | rudimentaire | rudimentär | rudimentaria | Baby Bear | 1 |
|  | fully developed | complètement développée | voll entwickelt | completamente desarrollada | Elite | 2 |
| 81. | Seed: color of hull | Semence: couleur de l’enveloppe | Samen: Farbe der Samenschale | Semilla: color de la cáscara |  |  |
|  | whitish | blanchâtre | weißlich | blanquecina | Table Queen | 1 |
|  | cream | crème | cremefarben | crema | De Nice à Fruit Rond | 2 |

|  |  | English | français | Deutsch | español | Example Varieties Exemples Beispielssorten Variedades ejemplo | Note/ Nota |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 82.  (+) | VG/VS[[1]](#footnote-1) | Resistance to *Zucchini yellow mosaic virus* (ZYMV) | Résistance au *virus de la mosaïque jaune de la courgette* (ZYMV) | Resistenz gegen *Zucchini yellow mosaic virus* (ZYMV) | Resistencia al *virus del mosaico amarillo del calabacín* (ZYMV) |  |  |
| **QN[[2]](#footnote-2)** |  | absent or low | absente ou faible | fehlend oder gering | ausente o baja | Cora | 1 |
|  |  | medium | moyenne | mittel | media | Mirza | 2 |
|  |  | high | élevée | hoch | alta | Mikonos | 3 |
| 83.  (+) | VG/VS1 | Resistance to *Watermelon mosaic virus* (WMV) | Résistance au *virus de la mosaïque de la pastèque* (WMV) | Resistenz gegen *Watermelon mosaic virus* (WMV) | Resistencia al *virus del mosaico de la sandía* (WMV) |  |  |
| **QL2** |  | absent | absente | fehlend | ausente | Cora | 1 |
|  |  | present | présente | vorhanden | presente | Mikonos, Sofia, Syros | 9 |

VIII. Explanations on the Table of Characteristics

Ad. 13: Leaf  blade: incisions



|  |  |  |
| --- | --- | --- |
| 1 | 3 | 5 |
| absent or very shallow | shallow | medium |

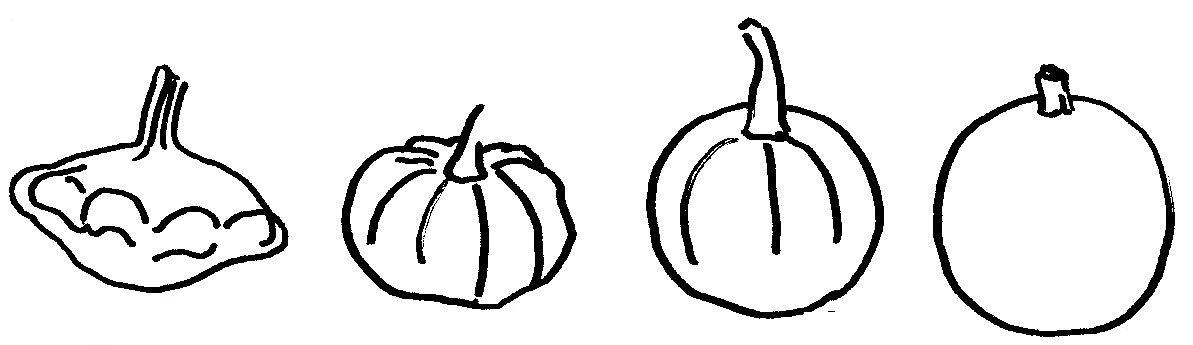


|  |  |
| --- | --- |
| 7 | 9 |
| deep | very deep |

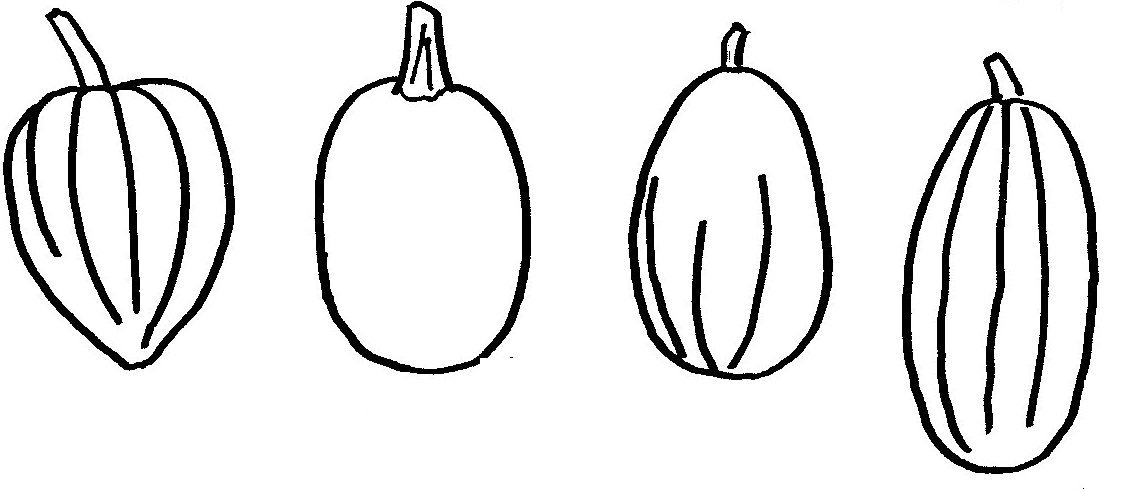
Ad. 26: Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | |  |
| 1 | 2 | 3 | 4 | 5 | 6 |
| globular | pear shaped | tapered elliptical | elliptical | cylindrical | tapered cylindrical |

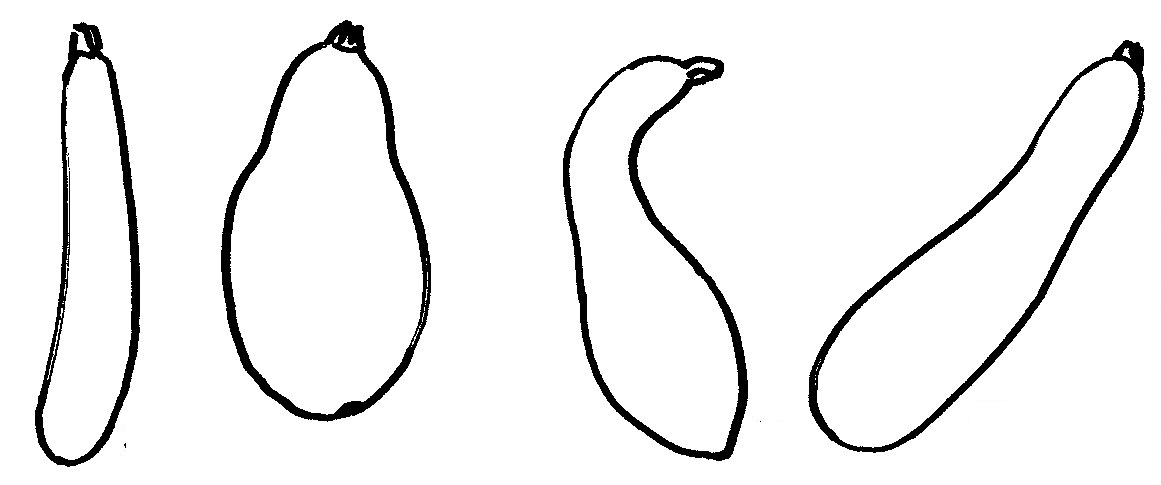
Ad. 30: Fruit: general shape



|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 2 | 3 | 4 |
| disc shaped | transverse elliptical | transverse broad elliptical | globular |

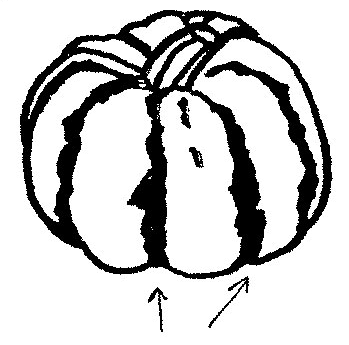


|  |  |  |  |
| --- | --- | --- | --- |
| 5 | 6 | 7 | 8 |
| top shaped | broad elliptical | ovate | elliptical |



|  |  |  |  |
| --- | --- | --- | --- |
| 9 | 10 | 11 | 12 |
| cylindrical | pear shaped | bottle shaped | club shaped |

Ad. 54: Fruit: stripes in grooves

 grooves

Ad. 56 and 57: Fruit: color of ribs compared to main color of skin (56), dots (57)

|  |
| --- |
|  |
| ribs 2 darker ribs (small and dense dots) |

Ad. 59, 60, 61 and 69: Fruit: secondary color between ribs (excluding dots)

|  |  |
| --- | --- |
|  |  |
| sparse patches | dense patches |

|  |  |
| --- | --- |
|  | |
| stripes | bands |

Ad. 82: Resistance to *Zucchini yellow mosaic virus* (ZYMV)

|  |  |  |
| --- | --- | --- |
| 1. | Pathogen | *Zucchini yellow mosaic virus* (ZYMV) |
| 2. | Quarantine status | No |
| 3. | Host species | *Cucurbita pepo* L. |
| 4. | Source of inoculum | GEVES (FR)[[3]](#footnote-3) |
| 5. | Isolate | e.g. strain E9  = MAT/REF/06-08-02-02 |
| 6. | Establishment isolate identity | - |
| 7. | Establishment pathogenicity | Symptoms on susceptible squash variety |
| 8. | Multiplication inoculum |  |
| 8.1 | Multiplication medium | Living plant |
| 8.2 | Multiplication variety | e.g. Cora |
| 8.3 | Plant stage at inoculation | - |
| 8.4 | Inoculation medium | - |
| 8.5 | Inoculation method | - |
| 8.6 | Harvest of inoculum | - |
| 8.7 | Check of harvested inoculum | - |
| 8.8 | Shelf life/viability inoculum | - |
| 9. | Format of the test |  |
| 9.1 | Number of plants per genotype | At least 20 |
| 9.2 | Number of replicates | At least 2 (e.g. 2x10 plants) |
| 9.3 | Control varieties | To illustrate and define the UPOV states   * absent or low resistance (=susceptible): Cora * medium resistance: Mirza (low threshold of medium resistance level): * high resistance: Mikonos (low threshold of high resistance level) |
| 9.4 | Test design | add non inoculated plants |
| 9.5 | Test facility | Climatic room or greenhouse |
| 9.6 | Temperature | e.g. 22°C or 24°C/18°C |
| 9.7 | Light | 12h-16h |
| 9.8 | Season |  |
| 9.9 | Special measures | keep glasshouse free of aphids |
| 10. | Inoculation |  |
| 10.1 | Preparation inoculum | 1 g leaf with symptoms with 4 mL of PBS with carborundum (400 mg) and activated carbon (400 mg) or similar buffer, homogenize |
| 10.2 | Quantification inoculum |  |
| 10.3 | Plant stage at inoculation | First expanded leaf |
| 10.4 | Inoculation method | Rubbing cotyledons with virus suspension  Optional: repeat the inoculation after 3 days |
| 10.5 | First observation | 14 days post-inoculation |
| 10.6 | Second observation | - |
| 10.7 | Final observations | 21 days post-inoculation |
| 11. | Observations |  |
| 11.1 | Method | Visual observation |
| 11.2 | Observation scale | Class 0: no symptom  Class 1: few small chlorotic patches  Class 2: many chlorotic patches  Class 3: large chlorotic areas (some patches on young leaves)  Class 4: mosaic and weak vein banding  Class 5: deformation and vein banding |
| Courtesy of GEVES-SNES | | |
| 11.3 | Validation of test | The high resistance control (Mikonos), the medium resistance control (Mirza) and the absent to low resistance (=susceptible) control (Cora) are necessary to validate the aggressiveness of test.  Results should be compared with results of controls, based on disease index (DI) and distribution of plants over the classes. |
| 11.4 | Off-types | - |
| 12. | Interpretation of data in terms of UPOV characteristic states | - Note 1: Most plants are in class 4 and/or 5 (absent or low resistance = susceptible)  - Note 2 Most plants are in class 2 and/or 3 (medium resistance)  - Note 3: Most plants are in class 0 and/or 1 (high resistance)  A variety with a lower resistance than Mirza (note 2) will be described note 1. A variety with a lower resistance than Mikonos (note 3), will be described note 2.  An additional statistical analysis can be used to finalize the pathologist’s raw observation to the assessment of uniformity, and relative position regarding the controls results. |
| Resistance to ZYMV:  high  Cora  Mikonos  absent or low  Mirza  medium | | |
| 13. | Critical control points | Date of notation may be adapted depending on expression of symptoms on controls.  Environmental conditions can influence the expression of symptoms over time. In this case a second notation could be necessary.  Aphids may transmit ZYMV as well as other viruses that may contaminate the ZYMV strain. Test should be in aphid-free compartment. |

Ad. 83: Resistance to *Watermelon mosaic virus* (WMV)

|  |  |  |
| --- | --- | --- |
| 1. | Pathogen | *Watermelon mosaic virus* (WMV) |
| 2. | Quarantine status | No |
| 3. | Host species | *Cucurbita pepo* L. |
| 4. | Source of inoculum | GEVES (FR)[[4]](#footnote-4) |
| 5. | Isolate | e.g., strain LL1A  = MAT/REF/06-09-01 2 |
| 6. | Establishment isolate identity | - |
| 7. | Establishment pathogenicity | Symptoms on susceptible squash variety |
| 8. | Multiplication inoculum |  |
| 8.1 | Multiplication medium | Living plant |
| 8.2 | Multiplication variety | e.g. Cora |
| 8.3 | Plant stage at inoculation | - |
| 8.4 | Inoculation medium | - |
| 8.5 | Inoculation method | - |
| 8.6 | Harvest of inoculum | - |
| 8.7 | Check of harvested inoculum | - |
| 8.8 | Shelf life/viability inoculum | - |
| 9. | Format of the test |  |
| 9.1 | Number of plants per genotype | At least 20 |
| 9.2 | Number of replicates | At least 2 (e.g. 2 x 10 plants) |
| 9.3 | Control varieties | To illustrate UPOV notes:   * resistance absent: Cora * resistance present: Sofia (minimum resistance level)   Mikonos, Syros have higher resistance than Sofia, but not resistant enough to illustrate a high resistance. |
| 9.4 | Test design | add non inoculated plants |
| 9.5 | Test facility | Climatic room or greenhouse |
| 9.6 | Temperature | e.g., 22°C or 24°C/18°C |
| 9.7 | Light | 12h-16h |
| 9.8 | Season |  |
| 9.9 | Special measures | Keep glasshouse free of aphids |
| 10. | Inoculation |  |
| 10.1 | Preparation inoculum | 1 g leaf with symptoms with 4mL of PBS with carborundum (400mg) and activated carbon (400mg) or similar buffer, homogenize |
| 10.2 | Quantification inoculum | - |
| 10.3 | Plant stage at inoculation | First expanded leave |
| 10.4 | Inoculation method | Rubbing cotyledons with virus suspension  Optional: repeat the inoculation after 3 days |
| 10.5 | First observation | 14 days post-inoculation |
| 10.6 | Second observation | - |
| 10.7 | Final observations | 21 days post-inoculation |
| 11. | Observations |  |
| 11.1 | Method | Visual observation |
| 11.2 | Observation scale | Class 0: no symptom  Class 1: few small chlorotic patches  Class 2: many chlorotic patches  Class 3: large chlorotic areas (some patches on young leaves)  Class 4: mosaic, weak vein banding  Class 5: deformation and vein banding |
| Courtesy of GEVES-SNES | | |
| 11.3 | Validation of test | On three controls: Cora, Sofia, Mikonos or Syros  The presence of Syros or Mikonos (and not only Sofia) is necessary to validate the aggressiveness of the test.  Results should be compared with the results of controls, based on disease index (DI) and distribution of plants over the classes. |
| 11.4 | Off-types | - |
| 12. | Interpretation of data in terms of UPOV characteristic states | Note 1: Most plants are in class 4 and/or 5 (resistance absent or low to be considered)  Note 9: Most plants are in class 0, 1, 2 and/or 3 (resistance present -more or less intensely)  A variety with a lower level of resistance than Sofia (note 9), will be described as note 1  An additional statistical analysis can be used to finalize the pathologist’s raw observation to the assessment of uniformity, and relative position regarding the controls results. |
| 13. | Critical control points | Date of notation may be adapted depending on expression of symptoms on controls.  Environmental conditions can influence the expression of symptoms over time. In this case a second notation could be necessary.  Aphids may transmit WMV as well as other viruses that may contaminate the WMV strain. Test should be in aphid-free compartment. |

IX. Literature

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X. Technical Questionnaire

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | |  | | Reference Number | |
|  | |  | | (not to be filled in by the applicant) | |
|  | |  | |  | |
| TECHNICAL QUESTIONNAIRE  to be completed in connection with an application for plant breeders’ rights | | | | | |
| 1. Species *Cucurbita pepo* L.  Vegetable Marrow, Squash | | | | | |
| 2. Applicant (Name and address) | | | | | |
| 3. Proposed denomination or breeder’s reference | | | | | |
| 4. Information on origin, maintenance and reproduction of the variety | | | | | | |
| 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[ ] |

|  | Characteristics | Example Varieties | Note |
| --- | --- | --- | --- |
| **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[ ] |
| **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[ ] |
| **5.7 (15)** | **Leaf blade: silvery patches** |  |  |
|  | absent | Black Forest, Scallopini | 1[ ] |
|  | present | Civac | 9[ ] |
| **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[ ] |
| **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 (29)** | **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 medium |  | 4[ ] |
|  | medium | Baccara | 5[ ] |
|  | medium to dark |  | 6[ ] |
|  | dark | Arlesa, Sandra, Zefira | 7[ ] |
|  | dark to very dark |  | 8[ ] |
|  | very dark | Carnaval, Corsair | 9[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **5.23 (46)** | Fruit: grooves |  |  |
|  | absent |  | 1[ ] |
|  | present |  | 9[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **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[ ] |
| **5.34 (82)** | **Resistance to *Zucchini yellow mosaic virus* (ZYMV)** |  |  |
|  | absent or low | Cora | 1[ ] |
|  | medium | Mirza | 2[ ] |
|  | high | Mikonos | 3[ ] |
|  | not tested |  | [ ] |
| **5.35 (83)** | **Resistance to *Watermelon mosaic virus* (WMV)** |  |  |
|  | absent | Cora | 1[ ] |
|  | present | Mikonos, Sofia, Syros | 9[ ] |
|  | not tested |  | [ ] |

|  |  |  |  |
| --- | --- | --- | --- |
| 6. Similar varieties and differences from these varieties | | | |
| Denomination of similar variety | Characteristic in which the similar variety is different o) | State of expression of similar variety | State of expression of candidate variety |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_  o) In the case of identical states of expressions of both varieties, please indicate the size of the difference. | | | |
| 7. Additional information which may help to distinguish the variety | | | |
| 7.1 Resistance to pests and diseases | | | |
| 7.2 Special conditions for the examination of the variety | | | |
| 7.3 Other information | | | |

|  |
| --- |
| 8. Authorization for release   1. Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?   Yes [ ] No [ ]   1. Has such authorization been obtained?   Yes [ ] No [ ]  If the answer to that question is yes, please attach a copy of such an authorization. |

[End of document]

1. See document TGP/7 “Development of Test Guidelines”, Annex 3 “Guidance Notes (GN) for the TG Template”, GN 25 “Recommendations for conducting the examination” (<http://www.upov.int/edocs/tgpdocs/en/tgp_7.pdf>) [↑](#footnote-ref-1)
2. See document TGP/7 “Development of Test Guidelines”, Annex 3 “Guidance Notes (GN) for the TG Template”, GN 20 “Presentation of characteristics: States of expression according to type of expression of a characteristic” (<http://www.upov.int/edocs/tgpdocs/en/tgp_7.pdf>) [↑](#footnote-ref-2)
3. matref@geves.fr [↑](#footnote-ref-3)
4. matref@geves.fr [↑](#footnote-ref-4)