

Technical questionnaire

Cucumis melo L.

Melon

Version 14 - Publication date: 11/07/2024

Mandatory fields or sections are marked with an asterisk (*)

04 . Information on the breeding scheme and propagation of the variety

04.01. Type of material *

- hybrid
- cross-pollinated variety
- self-pollinated variety
- parent line

04.01.01. Parental line use *

In many cases there is a link in morphological expression of characteristics between the parent line and its hybrids. Therefore, it is recommended to provide information about the identity of hybrid varieties where the parental line is used. This makes the organisation of the technical examination more efficient and lowers the risk of an additional year at the costs of the applicant. This information will be dealt with confidentially and only share with the examination office in charge of the technical examination.

Please indicate for the production of which hybrid variety(ies) the parental line is used

*

04.02. Method of propagation of the variety *

- seed propagated
- vegetatively propagated

04.03. Other information on genetic origin and breeding method

Please specify

05 . Characteristics

(the number in brackets refers to the corresponding characteristic in the UPOV Technical Guidelines, please mark the state of expression which best corresponds).

05.00. Type of fruit *

- 1 - Ananas

- 2 - Baskavas
- 3 - Branco
- 4 - Western Shipper
- 5 - Yellow Easter Shipper - Italian Cantaloupe
- 6 - Green Easter Shipper - Italian Cantaloupe
- 7 - Canari
- 8 - Yellow Charentais
- 9 - Green Charentais
- 10 - Galia
- 11 - Honeydew
- 12 - Kirkagac
- 13 - Ogen
- 14 - Piel de Sapo
- 15 - Rochet
- 16 - Tendral
- 17 - other type

Please specify

(12) (G) 05.01. Inflorescence: sex expression (at full flowering) *

- 1 - monoecious Alpha, Categoría
- 2 - andromonoecious Piel de Sapo

(13) 05.01.01. Young fruit: hue of green colour of skin *

- 1 - whitish green Geasol
- 2 - yellowish green Fimel
- 3 - green Lucas
- 4 - greyish green Spanglia

(14) 05.01.02. Young fruit: intensity of green colour of skin *

- 1 - very light Solarking
- 2 - very light to light



- | | |
|---|-------|
| <input type="radio"/> 3 - light | Fimel |
| <input type="radio"/> 4 - light to medium | |
| <input type="radio"/> 5 - medium | Eros |
| <input type="radio"/> 6 - medium to dark | |
| <input type="radio"/> 7 - dark | Galia |
| <input type="radio"/> 8 - dark to very dark | |
| <input type="radio"/> 9 - very dark | Edén |

(24) (G) 05.02. Fruit: length *

- | | |
|---|-------------------------|
| <input type="radio"/> 1 - very short | Doublon, Golden Crispy |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Topper, Védrantais |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Marina, Spanglia |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Categoría, Toledo |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Katsura Giant, Valdivia |

(28) (G) 05.03. Fruit: shape in longitudinal section *

- | | |
|---|------------------------|
| <input type="radio"/> 1 - ovate | De Cavaillon, Piolín |
| <input type="radio"/> 2 - medium elliptic | Piel de Sapo |
| <input type="radio"/> 3 - broad elliptic | Corin, Sardo |
| <input type="radio"/> 4 - circular | Alpha, Galia |
| <input type="radio"/> 5 - quadrangular | Zatta |
| <input type="radio"/> 6 - oblate | Jívaro, Noir de Carmes |
| <input type="radio"/> 7 - obovate | Cganchi |
| <input type="radio"/> 8 - elongated | Alficoz, Banana |

(29) (G) 05.04. Fruit: ground colour of skin *

- | | |
|----------------------------------|--|
| <input type="radio"/> 1 - white | Albino, Honey Dew |
| <input type="radio"/> 2 - yellow | Amarillo-Canario, Edén, Galia, Passport, Solarking |
| <input type="radio"/> 3 - green | Gohyang, Piel de Sapo |



- 4 - grey Geaprince, Geamar, Romeo, Sirio, Supporter, Védrantais

(31) 05.04.01. Fruit: hue of ground colour of skin *

- 1 - absent or very weak Amarillo-Canario, Albino, Piel de Sapo, Sirio
- 2 - whitish Romeo
- 3 - yellowish Geaprince, Supporter
- 4 - orange Edén
- 5 - ochre Passport
- 6 - greenish Geamar, Honey Drew, Solarking
- 7 - greyish Gohyang

(32) 05.04.02. Fruit: density of dots *

- 1 - absent or very sparse Charentais
- 2 - very sparse to sparse
- 3 - sparse
- 4 - sparse to medium
- 5 - medium Petit Gris de Rennes
- 6 - medium to dense
- 7 - dense Piel de Sapo
- 8 - dense to very dense
- 9 - very dense Albino

(36) (G) 05.05. Fruit: density of patches *

- 1 - absent or very sparse Rochet
- 2 - very sparse to sparse
- 3 - sparse
- 4 - sparse to medium
- 5 - medium Braco
- 6 - medium to dense
- 7 - dense Piel de Sapo
- 8 - dense to very dense
- 9 - very dense Oranje Ananas

(43) (G) 05.06. Fruit: grooves *

- | | |
|---|---------------------|
| <input type="radio"/> 1 - absent or very weakly expressed | Arava, Piel de Sapo |
| <input type="radio"/> 2 - weakly expressed | Total, Hobby |
| <input type="radio"/> 3 - strongly expressed | Védrantais, Galia |

(45) 05.06.01. Fruit: depth of grooves

- | | |
|---|----------------------------------|
| <input type="radio"/> 1 - very shallow | Amber |
| <input type="radio"/> 2 - very shallow to shallow | |
| <input type="radio"/> 3 - shallow | Galia |
| <input type="radio"/> 4 - shallow to medium | |
| <input type="radio"/> 5 - medium | Alpha |
| <input type="radio"/> 6 - medium to deep | |
| <input type="radio"/> 7 - deep | Panamá, Supermarket |
| <input type="radio"/> 8 - deep to very deep | |
| <input type="radio"/> 9 - very deep | Noir des Carmes, Sucrin de Tours |

(47) 05.06.02. Fruit: creasing of surface *

- | | |
|---|------------------|
| <input type="radio"/> 1 - absent or very weak | Védrantais |
| <input type="radio"/> 2 - very weak to weak | |
| <input type="radio"/> 3 - weak | Melchor, Sirocco |
| <input type="radio"/> 4 - weak to medium | |
| <input type="radio"/> 5 - medium | Costa, Piolín |
| <input type="radio"/> 6 - medium to strong | |
| <input type="radio"/> 7 - strong | Tendral, Negro |
| <input type="radio"/> 8 - strong to very strong | |
| <input type="radio"/> 9 - very strong | Balbay, Kirkagac |

(48) (G) 05.07. Fruit: cork formation *

- | | |
|-----------------------------------|--------|
| <input type="radio"/> 1 - absent | Alpha |
| <input type="radio"/> 9 - present | Dalton |

(49) 05.07.01. Fruit: thickness of pattern of cork formation

- | | |
|---|--------------|
| <input type="radio"/> 1 - very thin | Amarillo Oro |
| <input type="radio"/> 2 - very thin to thin | |



- | | | |
|-----------------------|-------------------------|---------------------|
| <input type="radio"/> | 3 - thin | Riosol, Védtrantais |
| <input type="radio"/> | 4 - thin to medium | |
| <input type="radio"/> | 5 - medium | Marina |
| <input type="radio"/> | 6 - medium to thick | |
| <input type="radio"/> | 7 - thick | Geamar, PMR 45 |
| <input type="radio"/> | 8 - thick to very thick | |
| <input type="radio"/> | 9 - very thick | Honey Rock, Perlita |

(50) (G) 05.08. Fruit: pattern of cork formation *

- | | | |
|--------------------------|-----------------------|---------------------|
| <input type="checkbox"/> | 1 - dots only | Hermes, Védtrantais |
| <input type="checkbox"/> | 2 - dots and linear | Jívaro, Topper |
| <input type="checkbox"/> | 3 - linear only | Futuro, Riosol |
| <input type="checkbox"/> | 4 - linear and netted | Anatol, Chantal |
| <input type="checkbox"/> | 5 - netted only | Galia, Perlita |

(51) 05.08.01. Fruit: density of pattern of cork formation

- | | | |
|-----------------------|---------------------------|---------------------|
| <input type="radio"/> | 1 - very sparse | Alpha, Amarillo Oro |
| <input type="radio"/> | 2 - very sparse to sparse | |
| <input type="radio"/> | 3 - sparse | Védtrantais |
| <input type="radio"/> | 4 - sparse to medium | |
| <input type="radio"/> | 5 - medium | Regal, Vital |
| <input type="radio"/> | 6 - medium to dense | |
| <input type="radio"/> | 7 - dense | Galia, Geamar |
| <input type="radio"/> | 8 - dense to very dense | |
| <input type="radio"/> | 9 - very dense | Honey Rock, Perlita |

(54) (G) 05.09. Fruit: main colour of flesh *

- | | | |
|-----------------------|---------------------|--------------|
| <input type="radio"/> | 1 - white | Piel de Sapo |
| <input type="radio"/> | 2 - greenish white | Galia |
| <input type="radio"/> | 3 - green | Radical |
| <input type="radio"/> | 4 - yellowish white | Guaraní |
| <input type="radio"/> | 5 - orange | Védtrantais |
| <input type="radio"/> | 6 - reddish orange | Magenta |



(59) (G) 05.10. Seed: length *

- | | |
|---|----------------------------|
| <input type="radio"/> 1 - very short | Geumssaraki, Golden Crispi |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Elario, Katsura Giant |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Arava, Sancho |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Amarillo Oro, Toledo |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Albino |

(61) 05.10.01. Seed: shape (only for Piel de Sapo type) *

- | | |
|--|--------------|
| <input type="radio"/> 1 - not pine nut shape | Toledo |
| <input type="radio"/> 2 - pine nut shape | Piel de Sapo |

(62) (G) 05.11. Seed: colour *

- | | |
|--|---------------------|
| <input type="radio"/> 1 - whitish | Amarillo Oro s.b. |
| <input type="radio"/> 2 - cream yellow | Galia, Piel de Sapo |

(67) 05.11.01. Shelf life of fruit *

- | | |
|---|----------------|
| <input type="radio"/> 1 - very short | Charentais |
| <input type="radio"/> 2 - very short to short | |
| <input type="radio"/> 3 - short | Galia |
| <input type="radio"/> 4 - short to medium | |
| <input type="radio"/> 5 - medium | Clipper |
| <input type="radio"/> 6 - medium to long | |
| <input type="radio"/> 7 - long | Piel de Sapo |
| <input type="radio"/> 8 - long to very long | |
| <input type="radio"/> 9 - very long | Tendral, Negro |

(68.1) (G) 05.12. Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 0 *

- | | |
|-----------------------------------|------------------------------|
| <input type="radio"/> 1 - absent | Charentais T |
| <input type="radio"/> 9 - present | Charentais Fom-2, Védrantais |



(68.2) (G) 05.13. Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 1 *

- 1 - absent Charentais T, Védrentais
- 9 - present Charentais Fom-2

(68.3) (G) 05.14. Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 2 *

- 1 - absent Marianna
- 9 - present Charentais Fom-1

06 . Similar varieties and differences from these varieties

Please note that information on similar varieties may help to identify comparable varieties and can avoid an additional period of testing.

06.01. Are there any similar varieties known? *

- Yes
- No

06.02. Similar varieties and differences from these varieties: *

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety

07 . Additional information which may help to distinguish the variety**07.01. In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? ***

- Yes, specify

- No

07.02. Are there any special conditions for growing the variety or conducting the examination? ***07.02.01. Type of culture ***

- in the greenhouse
- in the open field



other type

Please specify

07.02.02. Are there any special conditions for growing the variety or conducting the examination? *
 Yes, specify

 No

07.03. Other information *
07.03.01. Resistance to pests and diseases *

The examination offices test the resistances based on the resistance test protocols listed in the CPVO-TP in force. In case the applicant does assess the resistance based on a different protocol than the one mentioned in the CPVO-TP, please be aware that this could lead to discrepancies between your declaration and the results obtained by the examination office. This may also have important consequences on the conduct of the DUS testing as well as trigger additional tests and fees. In addition, for some resistances an alternative DNA marker test exists. As the phenotype is always leading, the declaration in this Technical Questionnaire should not be based on such DNA marker test only.

(68.4) 07.03.01.01. Resistance to *Fusarium oxysporum* f. sp. *melonis* (Fom) Race 1-2 *
 absent

 present

(69.1) 07.03.01.02. Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 1

*

 susceptible

 intermediate resistant

 highly resistant

 not tested

(69.2) 07.03.01.03. Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 2

*

 susceptible

 intermediate resistant

 highly resistant

 not tested

(69.3) 07.03.01.04. Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3

*



- susceptible
- intermediate resistant
- highly resistant
- not tested

(69.4) 07.03.01.05. Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 5

*

- susceptible
- intermediate resistant
- highly resistant
- not tested

(69.5) 07.03.01.06. Resistance to *Podosphaera xanthii* (Px) (*Sphaerotheca fuliginea*) (Powdery mildew) - Race 3-5

*

- susceptible
- intermediate resistant
- highly resistant
- not tested

(70) 07.03.01.07. Resistance to *Golovinomyces cichoracearum* (Gc) (*Erysiphe cichoracearum*) Race 1 (Powdery mildew)

*

- susceptible
- intermediate resistant
- highly resistant
- not tested

(71) 07.03.01.08. Resistance to colonisation by *Aphis gossypii*

- absent
- present

(72) 07.03.01.09. Resistance to *Zucchini yellow mosaic virus* (ZYMV)

- absent
- present
- not tested

(73.1) 07.03.01.10. Resistance to *Papaya ringspot virus* (PRSV) - Guadeloupe strain

- absent
- present
- not tested



- absent
- present
- not tested

(73.2) 07.03.01.11. Resistance to *Papaya ringspot virus* (PRSV) - Race E2 *

- absent
- present
- not tested

(74) 07.03.01.12. Resistance to *Melon necrotic spot virus* (MNSV) - Strain 0 (MNSV:0) *

- absent
- present

(75) 07.03.01.13. Resistance to *Cucumber mosaic virus* (CMV) *

- absent
- present
- not tested

07.03.02. Other information *

- Yes, specify
- No

07.04. Photo

It is highly recommended to provide pictures. Otherwise, the organisation of the technical examination will be rendered less efficient, with the risk of an additional year of technical examination at the costs of the applicant.

Documents to be attached

08 . GMO-information

08.01. GMO-information required *

The variety represents a Genetically Modified Organism within the meaning of Article 2(2) of Council Directive EC/2001/18 of 12/03/2001.



Yes

If yes, please attach in point 08.02 a copy of the written attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

No

08.02. In case of GMO, joint attestation of the responsible authorities stating that a technical examination of the variety under Articles 55 and 56 of the Basic Regulation does not pose risks to the environment according to the norms of the above-mentioned Directive.

Documents to be attached

