Breeder's Ref.

Raad voor plantenrassen

Technical questionnaire

Cucumber/ Gherkin

Version 14

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

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01 . Botanical taxon: name of the genus, species or sub-species to which the variety belongs:

- ◯ *Cucumis sativus* L.

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02 . Application code:

For office use only

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03 . Breeder's reference

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

04 . 01 . Type of material: *

- ◯ 1 - hybrid
- ◯ 2 - cross-pollinated variety
- ◯ 3 - self-pollinated variety
- ◯ 4 - parent line

04 . 02 . Method of propagation of the variety: *

- ◯ 1 - seed propagated
- ◯ 2 - vegetatively propagated

04 . 03 . Seed propagated varieties: *

(this question could be confidential)

- ◯ 1 - cross-pollination
- ◯ 2 - hybrid
- ◯ 3 - other (please specify)

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04 . 04 . Vegetative propagated varieties *

- ◯ 1 - cuttings
- ◯ 2 - in vitro propagation
- ◯ 3 - other (state method):

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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 . Species *

- ◯ 1 - cucumber
- ◯ 2 - gherkin

05 . 01 . Cotyledon: bitterness *(1) (G)* *

- ◯ 1 - absent — Rocket GS, Sandra
- ◯ 9 - present — Farbio

05 . 01.01 . Leaf blade: length *(5)*

- ◯ 1 - very short
- ◯ 2 - very short to short
- ◯ 3 - short — Adam
- ◯ 4 - short to medium
- ◯ 5 - medium — Briljant
- ◯ 6 - medium to long
- ◯ 7 - long — Corona
- ◯ 8 - long to very long
- ◯ 9 - very long

05 . 01.02 . Leaf blade: intensity of green colour *(8)*

- ◯ 1 - very light
- ◯ 2 - very light to light
- ◯ 3 - light — De Russie
- ◯ 4 - light to medium
- ◯ 5 - medium — Rocket GS, Stereo
- ◯ 6 - medium to dark
- ◯ 7 - dark — Marketmore, Sandra, Tokyo Slicer
- ◯ 8 - dark to very dark
- ◯ 9 - very dark — Akito

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05 . 02 . Plant: sex expression *(13) (G)* *

◯ 1 - monoecious	Hokus
◯ 2 - subgynoecious	Toska 70
◯ 3 - gynoecious	Farbio, Sandra, Wilma
◯ 4 - hermaphrodytic	Sunsweet

05 . 02.01 . Plant: number of female flowers per nodes *(14)* *

◯ 1 - predominantly one	Dasher, Faraón
◯ 2 - predominantly one or two	Brunex, Marumba
◯ 3 - predominantly two	Corona
◯ 4 - predominantly two or three	Tempo
◯ 5 - predominantly three or four	Tornac
◯ 6 - predominantly four or five	Melody
◯ 7 - predominantly more than five	Olympos

05 . 03 . Ovary: colour of vestiture *(15) (G)* *

◯ 1 - white	Jazzer
◯ 2 - black	Vert petit de Paris

05 . 04 . Parthenocarpy *(16) (G)* *

◯ 1 - absent	Toska 70
◯ 9 - present	Farbio, Rocket GS, Sandra, Wilma

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05 . 05 . Fruit: length *(17) (G)* *

○ 1 - very short	Please indicate length in cm and/or comparable example varieties	
○ 2 - very short to short	Please indicate length in cm and/or comparable example varieties	
○ 3 - short	Please indicate length in cm and/or comparable example varieties	
○ 4 - short to medium	Please indicate length in cm and/or comparable example varieties	
○ 5 - medium	Please indicate length in cm and/or comparable example varieties	
○ 6 - medium to long	Please indicate length in cm and/or comparable example varieties	
○ 7 - long	Please indicate length in cm and/or comparable example varieties	
○ 8 - long to very long	Please indicate length in cm and/or comparable example varieties	
○ 9 - very long	Please indicate length in cm and/or comparable example varieties	

05 . 06 . Fruit: shape of stem end *(22)* *

○ 1 - necked	Sandra, Tasty Green
○ 2 - acute	De Massy
○ 3 - obtuse	Maram, Score

05 . 06.01 . Only necked varieties: Fruit: length of neck *(23)* *

○ 1 - very short	
○ 2 - very short to short	
○ 3 - short	Saskia
○ 4 - short to medium	
○ 5 - medium	Corona, Telepathy
○ 6 - medium to long	
○ 7 - long	Kamaron
○ 8 - long to very long	
○ 9 - very long	Tasty Green

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05 . 07 . Fruit: ground colour of skin at market stage *(25) (G)* *

◯ 1 - white	Bonneuil
◯ 2 - yellow	Gele Tros
◯ 3 - green	Corona

05 . 07.01 . Excluding white varieties: Fruit: intensity of ground colour of skin *(26)* *

◯ 1 - very light	
◯ 2 - very light to light	
◯ 3 - light	
◯ 4 - light to medium	
◯ 5 - medium	
◯ 6 - medium to dark	
◯ 7 - dark	
◯ 8 - dark to very dark	
◯ 9 - very dark	

05 . 07.02 . Fruit: ribs *(27)* *

◯ 1 - absent or weak	Darius, Diana
◯ 2 - medium	Sprint
◯ 3 - strong	Vert petit de Paris

05 . 07.03 . Fruit: creasing *(29)*

◯ 1 - absent	Jazzer
◯ 9 - present	Corona, Nabil

05 . 07.04 . Fruit: degree of creasing *(30)*

◯ 1 - very weak	Silor
◯ 2 - very weak to weak	
◯ 3 - weak	Nabil
◯ 4 - weak to medium	
◯ 5 - medium	Corona, Galileo
◯ 6 - medium to strong	
◯ 7 - strong	Grizzly
◯ 8 - strong to very strong	
◯ 9 - very strong	Suyo Long

05 . 08 . Fruit: type of vestiture *(31)* *

◯ 1 - hairs only	Silor
◯ 2 - hairs and prickles	De Bourbonne, De Massy
◯ 3 - prickles only	Corona, Jazzer

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05 . 08.01 . Fruit: density of vestiture *(32)*

◯ 1 - very sparse	Vert petit de Paris
◯ 2 - very sparse to sparse	
◯ 3 - sparse	
◯ 4 - sparse to medium	
◯ 5 - medium	Tasty Green
◯ 6 - medium to dense	
◯ 7 - dense	Silor, Suyo Long
◯ 8 - dense to very dense	
◯ 9 - very dense	Moneta, Parmel

05 . 08.02 . Fruit: length of stripes *(36)* *

◯ 1 - absent or very short	
◯ 2 - very short to short	
◯ 3 - short	Astrea
◯ 4 - short to medium	
◯ 5 - medium	Breso
◯ 6 - medium to long	
◯ 7 - long	Pioneer, Tokyo Slicer
◯ 8 - long to very long	
◯ 9 - very long	Suyo Long

05 . 08.03 . Fruit : dots *(37)* *

◯ 1 - absent	Sensation
◯ 9 - present	Delicatesse, Hanpaku-Fushinari, Sagami-Fanpaku, White Sun

05 . 09 . Resistance to *Cladosporium cucumerinum* (Ccu) *(44) (G)* *

◯ 1 - absent	Cherubino, Frontera, Pepinex 69
◯ 9 - present	Corona, Marketmore 76, Sheila

05 . 10 . Resistance to *Cucumber mosaic virus* (CMV) *(45) (G)* *

◯ 1 - susceptible	Bosporus, Corona, Ventura
◯ 2 - moderately resistant	Capra, Gardon, Verdon
◯ 3 - highly resistant	Naf, Picolino

05 . 11 . Resistance to Powdery mildew (*Podosphaera xanthii)* (Px) *(46) (G)* *

◯ 1 - susceptible	Corona, Ventura
◯ 2 - moderately resistant	Flamingo
◯ 3 - highly resistant	Aramon, Bella, Cordoba

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05 . 12 . Resistance to Corynespora blight and target leaf spot (*Corynespora cassiicola*) (Cca) *(48) (G)* *

- ◯ 1 - absent — Bodega, Pepinova
- ◯ 9 - present — Corona, Cumlaude

05 . 13 . Resistance to *Cucumber vein yellowing virus* (CVYV) *(49) (G)* *

- ◯ 1 - absent — Corona, Korinda, Ventura
- ◯ 9 - present — Dina, Summerstar, Tornac

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06 . Similar varieties and differences from these varieties

06 . 1 . Are there any similar variety(ies) known? *

- ◯ 1 - yes
- ◯ 2 - no

06 . 2 . Similar varieties and differences from these varieties: *

Denomination of similar variety	Characteristic in which the similar variety is different	State of expression of similar variety	State of expression of candidate variety

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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? *

- ◯ Yes, specify
- ◯ No

07 . 03 . Other information

07 . 03.01 . Resistances to pests and diseases (please specify races/strains if possible) *

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.

07 . 03.01.01 . Resistance to *Pseudoperonospora cubensis* (Pcu) - Downy mildew *(47)* *

- ◯ absent
- ◯ present
- ◯ not tested

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07 . 03.01.02 . Resistance to *Zucchini yellow mosaic virus* (ZYMV) *(50)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.03 . Resistance to *Cucurbit yellow stunting disorder virus* (CYSDV) *(51)* *

- ◯ absent
- ◯ present
- ◯ not tested

07 . 03.01.04 . Other resistances to pests and diseases (fill none if you are not concerned)

Please specify

07 . 03.02 . Main use *

- ☐ processing
- ☐ fresh market
- ☐ other

07 . 03.03 . Type of culture *

- ☐ greenhouse, staked
- ☐ greenhouse, not staked
- ☐ in the open, staked
- ☐ in the open, not staked
- ☐ other

07 . 03.04 . Fruit type *

◯ 1 - gherkin	Adam, Conny, Levina, Melody
◯ 2 - cucumber: Beth Alpha	Hana, Silor
◯ 3 - cucumber: Dutch type	Brunex, Corona, Dominant
◯ 4 - cucumber: American slicer	Jazzer, Marketmore, Sprint. No possibility for 2 DUS trials in one year for this type.
◯ 5 - cucumber: Asian	Sagami-Fankapu, White Sun
◯ 6 - cucumber: Other	Fatum, Tine

07 . 03.05 . Growing region

Please specify

07 . 03.06 . Growing season *

- ☐ 1 - spring
- ☐ 2 - summer
- ☐ 3 - autumn
- ☐ 4 - winter

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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.

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08 . GMO-information requested

08 . a . The variety represents a genetically modified organism (GMO) within the meaning of Article 2(2) of Council Directive EC/2001/18 of 12/03/2001 which requires authorization for release in the environment: *

- ◯ 1 - yes
- ◯ 2 - no

08 . b . If yes, has such authorization been obtained? *

- ◯ 1 - yes
- ◯ 2 - no

08 . c . If yes, please attach a copy of such an authorization *

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09 . Information on plant material to be examined *

The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc. Consequently the plant material to be examined should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

09 . 01 . Micro-organisms (e.g. virus, bacteria, phytoplasma) *

- ◯ Yes, specify
- ◯ No

09 . 02 . Chemical treatment (e.g. growth retardant or pesticide) *

- ◯ Yes, specify
- ◯ No

09 . 03 . Tissue culture *

- ◯ Yes, specify
- ◯ No

09 . 04 . Other factors *

- ◯ Yes, specify
- ◯ No

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DECLARATIONS *

I/we hereby declare that to the best of my/our knowledge the information given in this form is complete and correct.

Place

Date

Name

Signature

Print Reset