



Technical questionnaire

vegetable marrow, squash

Version 12

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

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

Cucurbita pepo L.

Cucurbita pepo var. *styriaca* Greb.

Cucurbita pepo var. *styriaca* Greb. x *Cucurbita pepo* L.

Other species (please specify)

02 . Application code:

For office use only

03 . Breeder's reference

Breeder's Ref.

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

04 . 01 . Type of material *

hybrid

cross-pollinated variety

self-pollinated variety

parental line

04 . 01.01 . Parental line use

(this question could be confidential)

In many cases there is a link in morphological expression of characteristics between the parental 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 only be shared with the examination office in charge of the technical examination.
In accordance with Article 88(3) of Regulation 2100/1994 the Office will treat the information under this section as confidential on request of the applicant.

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

Please specify

04 . 03. . Should the following question on genetic origin and breeding method be treated as confidential? *

Yes

No

04 . 04 . Confidentiality justification *

(this question could be confidential)

Please explain why the information is to be considered as confidential and how its disclosure would harm your commercial interests (included but not limited to business relations, manufacturing secrets, expertise, commercial strategies, intellectual property) under Article 4(2) of Regulation 1049/2001. Since the general rule is transparency, it is in your best interest to provide strong reasons to support your request for confidentiality. If a public access request is received, the Office will evaluate your justifications and decide whether to disclose or not the information.

Please provide detailed explanations *

04 . 05 . Information on the breeding method and the genetic origin of the application

(this question could be confidential)

breeding method

parentage with any other varieties

05 . Characteristics of the variety to be indicated

(the number in brackets refers to the corresponding characteristic in the CPVO Technical Protocol; please mark the state of expression which best corresponds)

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.

05 . 01 . Type of edible varieties: Fruit: type (G) *

1 - Pumpkin	Halloween, Little Boo, Small Sugar
2 - Miniature pumpkin	Jack Be Little
3 - Scallop	Patty Pan, Scallopini
4 - Acorn	Table Queen
5 - Neck	Early Prolific Straightneck, Early Summer Crookneck
6 - Zucchini	Ambassador, Beirut, Clarita, Elite, Ibis, Romano
7 - Rounded Zucchini	De Nice à fruit rond, Redondo
8 - Delicata	Delicata
9 - Spaghetti Squash	Pasta, Vegetable Spaghetti
10 - Rondini	Little Gem
11 - Ölkürbis	Markant
12 - other	

05 . 02 . Plant: growth habit (4) (G) *

1 - bush	Greyzini
2 - semi-trailing	Cinderella, Everest, Twickers
3 - trailing	Becky, Long Green Trailing

05 . 03 . Plant: branching (5) (G) *

1 - absent	Goldi
9 - present	Patty Green Tint

05 . 04 . Stem: colour (8) *

1 - completely green	Becky
2 - partly green and partly yellow	Autumn Gold

05 . 05 . Stem: intensity of green colour (9) *

1 - very light	Maayan
2 - very light to light	
3 - light	Bianchini
4 - light to medium	
5 - medium	Cinderella
6 - medium to dark	
7 - dark	Greyzini
8 - dark to very dark	
9 - very dark	Goldrush

05 . 06 . Leaf blade: incisions (13) (G) *

1 - absent or very shallow	Scallopini
2 - very shallow to shallow	
3 - shallow	Everest
4 - shallow to medium	
5 - medium	Jackpot
6 - medium to deep	
7 - deep	Civac
8 - deep to very deep	
9 - very deep	Isotta

05 . 07 . Leaf blade: silvery patches (15) (G) *

1 - absent	Black Forest, Scallopini
2 - present	Civac

05 . 08 . Leaf blade: relative area covered by silvery patches (16) (G) *

1 - very small	Albo
2 - very small to small	
3 - small	Aziz
4 - small to medium	
5 - medium	Ambassador
6 - medium to large	
7 - large	Cora
8 - large to very large	
9 - very large	Summerstar

05 . 09 . Petiole: length (17) *

1 - very short	
2 - very short to short	
3 - short	Jack be Little, Karioka
4 - short to medium	
5 - medium	Goldi
6 - medium to long	
7 - long	Autumn Gold, Baikal
8 - long to very long	
9 - very long	

05 . 10 . Only Zucchini and Rounded Zucchini type varieties: Young fruit: general shape (26) *

1 - globular	De Nice à Fruit Rond
2 - pear shaped	Clarita
3 - tapered elliptical	Top Kapi
4 - elliptical	Table Dainty
5 - cylindrical	Ambassador, Ibis
6 - tapered cylindrical	

05 . 11 . Young fruit: main colour of skin (excluding colour of ribs or grooves) (27) *

1 - white	White Bush Scallop
2 - cream	Tivoli
3 - yellow	Goldi
4 - green	Elite, Opal, Romano
5 - partly white and partly yellow	
6 - partly white and partly green	
7 - partly yellow and partly green	Sunburst, Zephyr

05 . 12 . Only varieties with green colour of skin: Young fruit: intensity of green colour of skin (as for 27) (29) *

1 - very light	Clarita, Goya, Patty Green Tint
2 - very light to light	
3 - light	Arlika
4 - light to medium	
5 - medium	Baccara
6 - medium to dark	
7 - dark	Arlesa, Sandra, Zefira
8 - dark to very dark	
9 - very dark	Carnaval, Corsair

05 . 13 . Fruit: general shape (30) (G) *

- 1 - disc shaped
- 2 - transverse elliptical
- 3 - transverse broad elliptical
- 4 - globular
- 5 - top shaped
- 6 - broad elliptical
- 7 - ovate
- 8 - elliptical
- 9 - cylindrical
- 10 - pear shaped
- 11 - bottle shaped
- 12 - club shaped

05 . 14 . Only Scallop type varieties: Fruit: length (31.1) *

- 1 - very short
- 2 - very short to short
- 3 - short Bennings Green Tint
- 4 - short to medium
- 5 - medium Sunburst
- 6 - medium to long
- 7 - long Yellow Bush Scallop
- 8 - long to very long
- 9 - very long

05 . 15 . Only Acorn type varieties: Fruit: length (31.2) *

- 1 - very short
- 2 - very short to short
- 3 - short Table Gold
- 4 - short to medium
- 5 - medium Swan White Acorn
- 6 - medium to long
- 7 - long Ebony Table Queen
- 8 - long to very long
- 9 - very long

05 . 16 . Only Neck type varieties: Fruit: length (31.3) *

1 - very short	
2 - very short to short	
3 - short	Wryneck
4 - short to medium	
5 - medium	Yellow Summer Crockneck
6 - medium to long	
7 - long	Sunbar
8 - long to very long	
9 - very long	

05 . 17 . Only Zucchini type varieties: Fruit: length (31.4) *

1 - very short	Jericho
2 - very short to short	
3 - short	Jedida
4 - short to medium	
5 - medium	Cora
6 - medium to long	
7 - long	Carlotta
8 - long to very long	
9 - very long	Altea

05 . 18 . Only Scallop type varieties: Fruit: maximum diameter (32.1) *

1 - very small	
2 - very small to small	
3 - small	Scallopini
4 - small to medium	
5 - medium	Yellow Bush Scallop
6 - medium to large	
7 - large	White Bush Scallop
8 - large to very large	
9 - very large	

05 . 19 . Only Acorn type varieties: Fruit: maximum diameter (32.2) *

1 - very small

2 - very small to small

3 - small

Table Gold

4 - small to medium

5 - medium

Table King

6 - medium to large

7 - large

Swan White Acorn

8 - large to very large

9 - very large

05 . 20 . Only Zucchini types varieties: Fruit: maximum diameter (32.3) *

1 - very small

2 - very small to small

3 - small

Goldi

4 - small to medium

5 - medium

Opal

6 - medium to large

7 - large

Jericho, Spidi

8 - large to very large

9 - very large

05 . 21 . Only Pumpkin type varieties: Fruit: size (34.1) *

1 - very small

Wee-B-Little

2 - very small to small

3 - small

Peek-a-Boo

4 - small to medium

5 - medium

Spirit

6 - medium to large

7 - large

Ghost Rider

8 - large to very large

9 - very large

Howden

05 . 22 . Only Rondini type varieties: Fruit: size (34.2) *

1 - very small

2 - very small to small

3 - small

Pomme d'Or

4 - small to medium

5 - medium

Rolet

6 - medium to large

7 - large

Little Gem

8 - large to very large

9 - very large

05 . 23 . Fruit: grooves (46) *

1 - absent

9 - present

05 . 24 . Fruit: main colour of skin (excluding colour of dots, patches, stripes and bands) (50) (G) *

1 - white

Pâtisson blanc panaché de vert

2 - cream

Early White Bush Scallop, Little Boo

3 - yellow

Autumn Gold

4 - green

Ambassador, Baby Bear

5 - partly white and partly yellow

6 - partly white and partly green

7 - partly yellow and partly green

Sunburst, Zephyr

05 . 25 . Only varieties with yellow colour skin: Fruit: intensity of yellow colour of skin (excluding colour of dots, patches, stripes and bands) (51) *

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 . 26 . Only varieties with green colour of skin: Fruit: intensity of yellow colour of skin (52) *

1 - very light

2 - very light to light

3 - light

4 - light to medium

5 - medium

6 - medium to dark

7 - dark

Cora

8 - dark to very dark

9 - very dark

Baby Bear, Sardane

05 . 27 . Fruit: stripes in grooves (54) *

1 - absent

Baby Bear, Jack Be Little

9 - present

Delicata, Heart of Gold, Pâtisson jaune panaché de vert

05 . 28 . Fruit: dots (57) *

1 - absent

Sunburst

9 - present

Gold Rush, Table Queen

05 . 29 . Fruit: secondary green colour between ribs (excluding dots) (59) *

1 - absent

Grey Zucchini, Small Sugar

9 - present

Beatrice, Greyzini, Heart of Gold, Steierischer Ölkürbis, Tonda Padana, Zubi

05 . 30 . Fruit: distribution of secondary green colour between ribs (61) *

1 - sparse patches

Elite, Greyzini

2 - dense patches

Steierischer Ölkürbis

3 - one coloured stripes

Altea

4 - two coloured stripes

5 - one coloured bands covering the whole surface

Badger Cross, Twickers, Zubi

6 - two coloured bands covering the whole surface

Beatrice

05 . 31 . Ripe fruit: main colour of skin (excluding colour of mottles, patches, stripes and bands) (69) *

1 - white

Pâtisson blanc panaché de vert

2 - whitish

White Bush Scallop

3 - cream

Bianchini, Opal

4 - yellow

Gold Rush

5 - orange

Autumn Gold

05 . 32 . Ripe fruit: secondary colour of skin (as for 69) (71) *

1 - whitish

2 - cream

3 - yellow

4 - orange

5 - green

not applicable

05 . 33 . Ripe fruit: colour of flesh (74) *

1 - cream

Elite

2 - yellow

Sunburst, Vegetable Spaghetti

3 - orange

Autumn Gold

05 . 33.01 . If Zucchini type: Fruit: patches, stripes or bands in ripe stage *

1 - absent

Ambassador, Black Jack

9 - present

Elite, Greyzini

05 . 34 . Resistance to *Zucchini yellow mosaic virus* (ZYMV) (82) *

1 - absent or low

Cora

2 - medium

Mirza

3 - high

Mikonos

not tested

05 . 35 . Resistance to *Watermelon mosaic virus* (WMV) (83) *

1 - absent

Cora

9 - present

Mikonos, Sofia, Syros

not tested

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? *

Yes, specify

No

07 . 03 . Other information *

Yes, specify

No

07 . 04 . Photo

It is highly recommended to provide pictures (up to five). 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. Full guidance on the picture quality can be found here

07 . 04.01 . Details of the photo(s)

Place and conditions under which the material shown in the photo was grown (e.g. plants grown in the greenhouse vs. grown in the open field)

Date of the photo(s) (month and year)

07 . 04.02 . Attached photo(s)

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.

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 . Other factors *

Yes, specify

No

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