

## Technical questionnaire

**strawberry**

**CPVO/TQ-022/3**

*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:**

*Fragaria iinumae* Makino × *F. vesca* L.

*Fragaria vesca* L.

*Fragaria* × *ananassa* Duchesne ex Rozier

Other species (please specify)

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**02 . Application code:**

For office use only

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**03 . Breeder's reference:**

Breeder's Ref.

**04 . Information on the breeding scheme and propagation of the variety****04 . 01 . Breeding scheme \****(this question could be confidential)*

crossing

mutation

discovery

Please state where and when discovered and how the variety has been developed

other origin

Please provide details

**04 . 01.01 . Crossing \****(this question could be confidential)*

controlled cross

Indicate denomination and species of the parent varieties

partially known cross

Indicate denomination and species of the known parent variety(ies)

unknown cross

**04 . 01.02 . In case of mutation, please fill in the table below. \****(this question could be confidential)*

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

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

vegetatively propagated

Please specify the method

seed propagated



**04 . 03 . In the case of seed propagated varieties, method of production: \***

self-pollination

cross pollination

hybrid

other method

Please specify

**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)

**05 . 01 . Plant: growth habit (1) (G) \***

1 - upright Benton, Darselect, Gorella

2 - semi-upright Cirafine, Senga Sengana

3 - spreading Darsidor, Pantagruella

**05 . 02 . Leaf: size (8) \***

1 - very small

2 - very small to small

3 - small Everest

4 - small to medium

5 - medium Camarosa

6 - medium to large

7 - large Darselect

8 - large to very large

9 - very large

**05 . 03 . Petiole: attitude of hairs (18) \***

1 - upwards Elista, Georg Soltwedel

2 - slightly outwards Darselect, Elsanta

3 - horizontal Cambridge Favourite, Direktor Paul Wallbaum, Mara des Bois



**05 . 04 . Flower: diameter (22) \***

1 - very small	
2 - very small to small	
3 - small	Rapella, Redgauntlet
4 - small to medium	
5 - medium	Gorella, Mara des Bois
6 - medium to large	
7 - large	Darselect, Domanil
8 - large to very large	
9 - very large	

**05 . 05 . Flower: size of calyx in relation to corolla (24) \***

1 - smaller	Bogota, Grande, Nordika
2 - same size	Darselect, Korona
3 - larger	Cigoulette, regina

**05 . 06 . Petal: colour of upper side (27) (G) \***

1 - greenish white	
2 - white	Gariguette
3 - pink	Frel, Marajox, Pikan
4 - red	Tarpan

**05 . 07 . Fruit: length in relation to width (28) \***

1 - much shorter	Early Dawn
2 - moderately shorter	Elista, Madame Mbutot
3 - equal	Gento Nova, Gorella, Merton Dawn
4 - moderately longer	Gariguette, Talisman
5 - much longer	Ciflorette, Marie France

**05 . 08 . Fruit: size (29) (G) \***

1 - very small	Astino, Frel
2 - very small to small	
3 - small	Senga Precosa
4 - small to medium	
5 - medium	Mara des Bois, Senga Tigaiga
6 - medium to large	
7 - large	Darselect, Domanil
8 - large to very large	
9 - very large	Maxim, Ventana



**05. 09. Fruit: shape (30) (G) \***

1 - reiniform	Early Dawn, Favette
2 - conical	Gorella, Matis
3 - cordate	Direktor Paul Wallbaum
4 - ovoid	Florika, Macherauchs Frühernte
5 - cylindrical	Chandler, Marie France
6 - rhomboid	Gariguetta, Pantagruella
7 - obloid	Elista
8 - globose	Grande, Madame Mbutot
9 - wedged	Georg Soltwedel

**05. 10. Fruit: colour (32) (G) \***

1 - whitish yellow	Weißer Ananas
2 - light orange	Madame Mbutot, Merton Dawn
3 - medium orange	Cambridge Favourite
4 - orange red	Ciflorette, Gorella
5 - medium red	Elsanta, Royal Sovereign
6 - dark red	Seascape, Senga Sengana
7 - blackish red	Honey Oya, Rubina

**05. 11. Fruit: position of achenes (37) \***

1 - below surface	Cirafine, Elista
2 - level with surface	Darselect, Regina
3 - above surface	Brighton, Rigensa

**05. 12. Fruit: position of calyx attachment (38) \***

1 - inserted	Aliso, Favette
2 - level with fruit	Cambridge Favourite, Talisman
3 - raised	Gariguetta, Regina

**05. 13. Fruit: attitude of sepals (39) \***

1 - upwards	Bounty, Gariguetta
2 - outwards	Angélica, Framura
3 - downwards	Ciflorette, Elvira



**05 . 14 . Fruit: diameter of calyx in relation to diameter to fruit (40) \***

1 - much smaller	Favette, Lumina
2 - slightly smaller	Ostara, Senga Sengana
3 - same size	Cirafine, Tenira
4 - slightly larger	Darselect, Senga Precosa
5 - much larger	Angéline, Cambridge Favourite

**05 . 15 . Time of beginning of flowering (46) \***

1 - very early	Karina, Sweet Charlie
2 - very early to early	
3 - early	Aromas, Driscoll Lanai, Gariguetta, Pantagruella
4 - early to medium	
5 - medium	Cambridge Favourite, Elsanta
6 - medium to late	
7 - late	Daisy, Tago
8 - late to very late	
9 - very late	Marzheyw, Pandora

**05 . 16 . Time of beginning of fruit ripening (47) \***

1 - very early	Tamar
2 - very early to early	
3 - early	Ventana
4 - early to medium	
5 - medium	Driscoll Lanai
6 - medium to late	
7 - late	Aroma, Driscoll Jubilee
8 - late to very late	
9 - very late	

**05 . 17 . Type of bearing (48) (G) \***

1 - not remontant	Cambridge Favourite, Gariguetta
2 - partially remontant	Redgauntlet, Sweet Charlie
3 - fully remontant	Brighton, Cirafine, Mara des Bois
4 - day neutral	Florika, Aromas



**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 . Resistance to pests and diseases \***

Yes, specify

No

**07 . 02 . In addition to the information provided in sections 05 and 06, are there any additional characteristics which may help to distinguish the variety? \***

Yes, specify

No

**07 . 03 . Are there any special conditions for growing the variety or conducting the examination? \***

Yes, specify

No

**07 . 04 . Other information \*****07 . 04.01 . Main use \***

fruit

ornamental

**07 . 04.02 . Other information \***

Yes, specify

No



**07 . 05 . Photo \***

A representative colour photo of the variety must be **added** to the technical questionnaire.

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**08 . GMD-information**

**08 . 01 . GMD-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 GMD, 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.**

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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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## 10. Possible place of the technical examination

In case the CPVO needs to arrange a technical examination for this candidate variety, there might be more than one examination office entrusted by the CPVO suitable to grow your variety. In this case, the Office will decide on the place of the technical examination but you might wish to express here a preference in respect of an examination office. The available entrusted examination offices for that species can be found in the S3 Gazette under: <http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/entrusted-examination-offices>

You will also find in the S2 Gazette further information about submission of plant material and deadlines for numerous major species: <http://cpvo.europa.eu/en/applications-and-examinations/technical-examinations/submission-of-plant-material-s2-publication>

### 10. 01 . Country where the examination could take place

Country

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## Attached document(s)

The following forms or documents are attached to this application : please tick the relevant boxes

- Application form, confidential part (original only)
- Technical questionnaire (original only)
- Technical questionnaire, confidential part (original only)
- Form of designation of a procedural representative
- Documentary evidence of entitlement to file an application
- Priority claim (certified copy of the first application)
- Form "Details of payment"
- Photographs (in case of fruit and ornamental varieties)
- Copy of the relevant written release consent (for GMOs)
- Others, please specify

Remark



**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

