

Technical questionnaire

leaf beet, Swiss chard

CPVO/TQ-106/2

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:

Beta vulgaris L. ssp. *vulgaris* var. *flavescens* DC.

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 *

(this question could be confidential)

hybrid

cross-pollinated variety

self-pollinated variety

parent line

04 . 02 . Method of propagation of the variety *

(this question could be confidential)

seed propagated

vegetatively propagated

04 . 03 . Other information on genetic origin and breeding method

(this question could be confidential)

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 . Leaf: length (2) *

1 - very short

2 - very short to short

3 - short

Groene Gewone, Verde de penca blanca ancha

4 - short to medium

5 - medium

Blonde à cardé blanche

6 - medium to long

7 - long

Paros, Verte à cardé blanche

8 - long to very long

9 - very long

05 . 02 . Leaf: attitude (3) *

1 - erect

Paros

2 - erect to semi-erect

3 - semi-erect

Blonde à cardé blanche

4 - semi-erect to prostrate

5 - prostrate

Groene Gewone

05 . 03 . Leaf blade: length (4) *

1 - very short

2 - very short to short

3 - short

Amarilla de Lyon, Groene Gewone

4 - short to medium

5 - medium

Verde de Niza

6 - medium to long

7 - long

Blonde à cardé blanche, Paros

8 - long to very long

9 - very long



05 . 04 . Leaf blade: width (5) *

| | |
|---------------------------|-----------------------|
| 1 - very narrow | |
| 2 - very narrow to narrow | |
| 3 - narrow | Groene Gewone |
| 4 - narrow to medium | |
| 5 - medium | Paros |
| 6 - medium to broad | |
| 7 - broad | Verte à carde blanche |
| 8 - broad to very broad | |
| 9 - very broad | |

05 . 05 . Leaf blade: colour (6) (G) *

| | |
|------------|------------------------------|
| 1 - green | Groene Gewone, Rhubarb Chard |
| 2 - purple | Firebird, Mangenta |

05 . 06 . Only varieties with Leaf blade: colour: green: Leaf blade: intensity of green colour (7) (G) *

| | |
|-------------------------|------------------------------|
| 1 - very light | Amarilla de Lyon |
| 2 - very light to light | |
| 3 - light | Blonde à carde blanche |
| 4 - light to medium | |
| 5 - medium | Groene Gewone, Verde de Niza |
| 6 - medium to dark | |
| 7 - dark | Verde de penca blanca ancha |
| 8 - dark to very dark | |
| 9 - very dark | Verde de penca blanca larga |

05 . 07 . Only varieties with Leaf blade: colour: purple: Leaf blade: intensity of purple colour (9) (G) *

| | |
|---------------------|----------|
| 1 - light | |
| 2 - light to medium | |
| 3 - medium | Mangenta |
| 4 - medium to dark | |
| 5 - dark | Firebird |



05 . 08 . Petiole: width (14) (G) *

| | |
|---------------------------|---------------------------------------|
| 1 - very narrow | Groene Gewone |
| 2 - very narrow to narrow | |
| 3 - narrow | Rhubarb Chard, Verde de Niza |
| 4 - narrow to medium | |
| 5 - medium | Lucullus, Verde de penca blanca larga |
| 6 - medium to broad | |
| 7 - broad | Amarilla de Lyon |
| 8 - broad to very broad | |
| 9 - very broad | Paros, Verde de penca blanca ancha |

05 . 09 . Petiole: colour (16) (G) *

| | |
|------------|---------------------------------|
| 1 - white | Blonde à cardé blanche |
| 2 - green | Groene Gewone |
| 3 - yellow | Bright Yellow |
| 4 - red | Rhubarb Chard, Ruby Red |
| 5 - purple | Fantasy, Mangenta, Pink Passion |

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 *

Yes, specify

No

07 . 05 . Photo

It is highly recommended to provide a representative colour image of full grown plant(s) of the variety to accompany the Technical Questionnaire.

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 . Tissue culture *

Yes, specify

No

09 . 04 . Other factors *

Yes, specify

No

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



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

