

Technical questionnaire

French bean

Version 14

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:

Phaseolus vulgaris 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 *

(this question could be confidential)

hybrid

cross-pollinated variety

self-pollinated variety

parent 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 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 *

(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 *

(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 type (2) (G) *

1 - dwarf

2 - climbing

05 . 02 . Leaf: intensity of green colour (8) *

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 . 03 . Flower: size of bract (14) *

1 - very small

2 - very small to small

3 - small

4 - small to medium

5 - medium

6 - medium to large

7 - large

8 - large to very large

9 - very large

05 . 04 . Flower: colour of standard (15) (G) *

- 1 - white
- 2 - pinkish white
- 3 - pink
- 4 - violet

05 . 05 . Pod: length (excluding beak) (17) *

- 1 - very short
- 2 - very short to short
- 3 - short
- 4 - short to medium
- 5 - medium
- 6 - medium to long
- 7 - long
- 8 - long to very long
- 9 - very long

05 . 05.01 . Pod: length (excluding beak) (in cm.) (17) *

Please indicate the number of centimeters: *

05 . 06 . Pod: width at maximum point (18) *

- 1 - very narrow
- 2 - very narrow to narrow
- 3 - narrow
- 4 - narrow to medium
- 5 - medium
- 6 - medium to broad
- 7 - broad
- 8 - broad to very broad
- 9 - very broad

05 . 06.01 . Pod: width at maximum point (in mm.) (18) *

Please indicate the number of millimeters *

05 . 07 . Pod: shape of cross section (through seed) (21) (G) *

- 1 - narrow elliptic
- 2 - elliptic to ovate
- 3 - cordate
- 4 - circular
- 5 - eight shaped

05 . 08 . Pod: ground colour (22) (G) *

1 - yellow

2 - green

3 - violet

05 . 09 . Pod: intensity of ground colour (23) *

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 . 10 . Pod: secondary colour (24) *

1 - absent

9 - present

05 . 11 . Pod: stringiness on ventral suture (27) (G) *

1 - absent

9 - present

05 . 11.01 . Seed: weight (in gram) (35) *

How many gram is plusminus the weight of 100 seeds:

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05 . 12 . Seed: weight (35) *

1 - very low

2 - very low to low

3 - low

4 - low to medium

5 - medium

6 - medium to high

7 - high

8 - high to very high

9 - very high

05 . 13 . Seed: number of colours (41) (G) *

1 - one

2 - two

3 - more than two

05 . 14 . Seed: main colour (largest area) (42) (G) *

1 - white

2 - green or greenish

3 - grey

4 - yellow

5 - beige

6 - brown

7 - red

8 - violet

9 - black

05 . 15 . Seed: predominant secondary colour (if present) (43) (G)

1 - grey

2 - yellow

3 - beige

4 - brown

5 - red

6 - violet

7 - black

05 . 15.01 . Time of flowering (50% of the plants with at least one flower) (comparable variety) (46)

Comparable with the variety:

05 . 16 . Time of flowering (50% of the plants with at least one flower) (46) *

1 - very early

2 - very early to early

3 - early

4 - early to medium

5 - medium

6 - medium to late

7 - late

8 - late to very late

9 - very late

05 . 17 . Resistance to *Bean anthracnose (Colletotrichum lindemuthianum)*, Race 6 (47.1) (G) *

1 - absent

9 - present

05 . 18 . Resistance to *Bean Common Mosaic Necrosis Virus (BCMNV)* (48) (G) *

1 - absent

2 - present with necrosis

3 - present without symptoms

05 . 19 . Dwarf varieties only: Resistance to Halo blight (*Pseudomonas savastanoi* pv. *phaseolicola*) (Psp) Race 6 (49) (G) *

1 - absent

9 - present

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

07 . Additional information which may help to distinguish the variety ***07 . 01 . Resistance to pests and diseases *****07 . 01.01 . Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) (CI) Race kappa (47.2) ***

1 - absent

9 - present

not tested

07 . 01.02 . Climbing varieties only: Resistance to Halo Blight (*Pseudomonas savastanoi* pv. *Phaseolicola*) (Psp) Race 6 (49) *

1 - absent

9 - present

not tested

07 . 01.03 . Resistance to Common Blight (*Xanthomonas axonopodis* pv. *phaseoli*) (Xap) Isolate 422 (50) *

1 - absent

9 - present

not tested

07 . 02 . In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? *

1 - yes (please specify):

2 - no

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

07 . 03.01 . Type *

1 - whole-bean

2 - haricot vert

3 - flageolet

4 - thick walled bean ("speck")

5 - flat slicing bean

6 - other

07 . 03.02 . Type of culture *

1 - under glass

2 - in the open

07 . 03.03 . Part mainly consumed *

1 - pod

2 - seed

07 . 03.04 . Main use *

1 - fresh market or garden

2 - canning

07 . 03.05 . Other conditions *

1 - yes (please specify):

2 - no

07 . 04 . Other information *

1 - yes (please specify):

2 - no

07 . 05 . Photo *

It is recommended to provide a representative colour image of the variety to accompany the Technical Questionnaire.

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 *

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