

Technical questionnaire

French bean

Version 13

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.

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: *

- 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

04 . 04 . Vegetative propagated varieties *

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

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:

*

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