

Technical questionnaire

Phaseolus vulgaris L.

French bean

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

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

04.01. Type of material *

- hybrid
- cross-pollinated variety
- self-pollinated variety
- parent line

04.01.01. Parental line use *

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 *

- seed propagated
- vegetatively propagated

04.03. Other information on genetic origin and breeding method

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).

(2) (G) 05.01. Plant: growth type *

- 1 - dwarf

- 2 - climbing

(8) 05.02. Leaf: intensity of green colour *

- 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

(14) 05.03. Flower: size of bract *

- 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

(15) (G) 05.04. Flower: colour of standard *

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

(17) 05.05. Pod: length (excluding beak) *

- 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

(17) 05.05.01. Pod: length (excluding beak) (in cm.) *

Please indicate the number of centimeters:

*

(18) 05.06. Pod: width at maximum point *

- 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

(18) 05.06.01. Pod: width at maximum point (in mm.) *

Please indicate the number of millimeters

*

(21) (G) 05.07. Pod: shape of cross section (through seed) *

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

(22) (G) 05.08. Pod: ground colour *

- 1 - yellow
 2 - green
 3 - violet

(23) 05.09. Pod: intensity of ground colour *

- 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

(24) 05.10. Pod: secondary colour *

- 1 - absent
- 9 - present

(27) (G) 05.11. Pod: stringiness on ventral suture *

- 1 - absent
- 9 - present

(35) 05.11.01. Seed: weight (in gram) *

How many gram is plusminus the weight of 100 seeds:

*

(35) 05.12. Seed: weight *

- 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

(41) (G) 05.13. Seed: number of colours *

- 1 - one
- 2 - two
- 3 - more than two

(42) (G) 05.14. Seed: main colour (largest area) *

- 1 - white
- 2 - green or greenish
- 3 - grey



- 4 - yellow
- 5 - beige
- 6 - brown
- 7 - red
- 8 - violet
- 9 - black

(43) (G) 05.15. Seed: predominant secondary colour (if present)

- 1 - grey
- 2 - yellow
- 3 - beige
- 4 - brown
- 5 - red
- 6 - violet
- 7 - black

(46) 05.15.01. Time of flowering (50% of the plants with at least one flower) (comparable variety)

Comparable with the variety:

(46) 05.16. Time of flowering (50% of the plants with at least one flower) *

- 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

(47.1) (G) 05.17. Resistance to *Bean anthracnose (Colletotrichum lindemuthianum)*, Race 6 *

- 1 - absent
- 9 - present

(48) (G) 05.18. Resistance to *Bean Common Mosaic Necrosis Virus (BCMNV)* *

- 1 - absent
- 2 - present with necrosis
- 3 - present without symptoms



(49) (G) 05.19. Dwarf varieties only: Resistance to Halo blight (*Pseudomonas savastanoi* pv. *phaseolicola*)**(Psp) Race 6 ***

- 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 *****(47.2) 07.01.01. Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) (CI) Race kappa ***

- 1 - absent
- 9 - present
- not tested

(49) 07.01.02. Climbing varieties only: Resistance to Halo Blight (*Pseudomonas savastanoi* pv. *Phaseolicola*)**(Psp) Race 6 ***

- 1 - absent
- 9 - present
- not tested

(50) 07.01.03. Resistance to Common Blight (*Xanthomonas axonopodis* pv. *phaseoli*) (Xap) Isolate 422 *

- 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 *



Breeder's ref.: undefined

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.

Documents to be attached

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 *

Documents to be attached

