

Technical questionnaire

French bean

Version 16

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 *

hybrid

cross-pollinated variety

self-pollinated variety

parental 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 parental 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 only be shared with the examination office in charge of the technical examination.

In accordance with Article 88(3) of Regulation 2100/1994 the Office will treat the information under this section as confidential on request of the applicant.

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

Please specify

04 . 03 . . Should the following question on genetic origin and breeding method be treated as confidential? *

Yes

No

04 . 04 . Confidentiality justification **(this question could be confidential)*

Please explain why the information is to be considered as confidential and how its disclosure would harm your commercial interests (included but not limited to business relations, manufacturing secrets, expertise, commercial strategies, intellectual property) under Article 4(2) of Regulation 1049/2001. Since the general rule is transparency, it is in your best interest to provide strong reasons to support your request for confidentiality. If a public access request is received, the Office will evaluate your justifications and decide whether to disclose or not the information.

Please provide detailed explanations *

04 . 05 . Information on the breeding method and the genetic origin of the application*(this question could be confidential)*

breeding method

parentage with any other varieties

05 . Characteristics

(the number in brackets refers to the corresponding characteristic in the UPOV Technical Guidelines, please mark the state of expression which best corresponds).

05 . 01 . Plant: growth type (2) (G) *

1 - dwarf

Callide (D), Capitole (D)

2 - climbing

Phenomene (C), Bacle (C)

05 . 02 . Leaf: intensity of green colour (9) *

1 - very light

2 - very light to light

3 - light

Rote von Paris (D), Goldelfe (C)

4 - light to medium

5 - medium

Fori (D), Valja (D)

6 - medium to dark

7 - dark

Dubra (D), Goldfish (D), Silvia (C)

8 - dark to very dark

9 - very dark

Diva (D)

05 . 03 . Flower: size of bract (15) *

1 - very small	
2 - very small to small	
3 - small	Fanion (D), Nerina (D), Ryco (D), Fidel (C), Markant (C)
4 - small to medium	
5 - medium	Torrina (D), Meicy (C)
6 - medium to large	
7 - large	Label (D), Pfälzer Juni (D), Toplong (C)
8 - large to very large	
9 - very large	

05 . 04 . Flower: colour of standard (16) (G) *

1 - white	Tuf (D)
2 - pinkish white	
3 - pink	Maxi (D), Vilbel (D)
4 - violet	Delinel (D), Purple Teepee (D)

05 . 05.01 . Dwarf beans only: Pod: length (excluding beak) (18) *

1 - very short	Please indicate length in centimeters
2 - very short to short	Please indicate length in centimeters
3 - short	Prelude (D), Tuf (D) Please indicate length in cm
4 - short to medium	Please indicate length in centimeters
5 - medium	Amity (D), Lusia (D) Please indicate length in cm
6 - medium to long	Please indicate length in centimeters
7 - long	Dubra (D), Loma (D) Please indicate length in cm
8 - long to very long	Please indicate length in centimeters
9 - very long	Daisy (D), Longking (D), Maja (D) Please indicate length in cm

05 . 05.02 . Climbing beans only: Pod: length (excluding beak) (19) *

1 - very short	Please indicate length in centimeters
2 - very short	Please indicate length in centimeters
3 - short	Juwagold (C)Please indicate length in cm
4 - short to medium	Please indicate length in centimeters
5 - medium	Please indicate length in centimeters
6 - medium to long	Please indicate length in centimeters
7 - long	Fidel (C)Please indicate length in cm
8 - long to very long	Please indicate length in centimeters
9 - very long	Toplong (C)Please indicate length in cm

05 . 06 . Pod: width at maximum point (20) *

1 - very narrow	Please indicate width in mm
2 - very narrow to narrow	Please indicate width in mm
3 - narrow	Cabri (D), Tuf (D), Necores (C) Please indicate width in mm
4 - narrow to medium	Please indicate width in mm
5 - medium	Regulex (D), Meicy (C) Please indicate width in mm
6 - medium to broad	Please indicate width in mm
7 - broad	Pfälzer Juni (D), Peter von Marbach (C) Please indicate width in mm
8 - broad to very broad	Please indicate width in mm
9 - very broad	Please indicate width in mm

05 . 07 . Pod: shape of cross section (through seed) (22) (G) *

1 - narrow elliptic	
2 - elliptic to ovate	Pascal (D), Pfälzer Juni (D), Regulex (D)
3 - cordate	Daisy (D)
4 - circular	Tuf (D)
5 - eight shaped	Tendercrop White Seeded (D)

05 . 08 . Pod: ground colour (24) (G) *

1 - yellow	Golddukat (D), Goldfish (D), Goldmarie (C)
2 - green	Filetty (D), Diva (D), Fortissima (C)
3 - violet	Purpiat (D), Purple Teepee (D)

05 . 09 . Pod: intensity of ground colour (25)

1 - very light	
2 - very light to light	
3 - light	Erato (D), Fortissima (C)
4 - light to medium	
5 - medium	Gabriella (D), Filetty (D), Prelude (D)
6 - medium to dark	
7 - dark	Decibel (D), Golddukat (D), Purpiat (D)
8 - dark to very dark	
9 - very dark	

05 . 10 . Pod: secondary colour (26) *

1 - absent	Tuf (D)
9 - present	Marbel (D)

05 . 11 . Pod: stringiness on ventral suture (29) (G) *

1 - absent	Cabri (D), Tuf (D)
9 - present	Facta (D), Marbel (D)

05 . 12 . Seed: weight (37) *

1 - very low	Cabri (D), Decibel (D), Label (D)Please indicate the 1000 seeds weight
2 - very low to low	Please indicate the 1000 seeds weight
3 - low	Belfin (D), Ingo (D)Please indicate the 1000 seeds weight
4 - low to medium	Please indicate the 1000 seeds weight
5 - medium	Duplica (D), Konservenstolz (D), Juwagold(C)Please indicate the 1000 seeds weight
6 - medium to high	Please indicate the 1000 seeds weight
7 - high	Regulex (D), Fidel (C)Please indicate the 1000 seeds weight
8 - high to very high	Please indicate the 1000 seeds weight
9 - very high	Facta (D), Rote von Paris (D), Precores (C)Please indicate the 1000 seeds weight

05 . 13 . Seed: number of colours (43) (G) *

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

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

1 - white	Goldfish (D), Tuf (D)
2 - green or greenish	Muriel (D), Pascal (D)
3 - grey	
4 - yellow	Gele Citroen (D)
5 - beige	Blauhilde (C), Purple Teepee (D)
6 - brown	Primel (D), Sunray (D)
7 - red	Fageolet rouge (D)
8 - violet	
9 - black	Delinel (D), Vilbel (D)

05 . 15 . Seed: predominant secondary colour (45) (G) *

1 - grey	
2 - yellow	
3 - beige	
4 - brown	
5 - red	Fiori (D)
6 - violet	Marbel (D)
7 - black	Brittle Wax (D)

05 . 16 . Time of flowering (50% of the plants with at least one flower) (48) *

1 - very early	Pfälzer Juni (D) Please indicate an example variety
2 - very early to early	Please indicate an example variety
3 - early	Prelude (D), Fortissima (C), Perle von Marbach (C) Please indicate an example variety
4 - early to medium	Please indicate an example variety
5 - medium	Fanion (D), Groffy (D), Labrador (D), Hilda (C), Precoces (C) Please indicate an example variety
6 - medium to late	Please indicate an example variety
7 - late	Necores (C) Please indicate an example variety
8 - late to very late	Please indicate an example variety
9 - very late	Please indicate an example variety

05 . 17 . Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) - Race 6 (49.1) (G) *

1 - absent	Goldrush, Masai, Michelet
9 - present	Booster, Pastoral

05 . 18 . Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) - Race Kappa (49.2)

1 - absent	Goldrush, Masai, Michelet
9 - present	Booster, Pastoral

05 . 19 . Resistance to Bean Common Mosaic Necrosis Virus (BCMV) (50) (G) *

1 - absent	Dufrix, Flandria
2 - present with necrosis	Booster, Odessa
3 - present without symptoms	Bizet

05 . 20 . Resistance to Halo Blight (*Pseudomonas savastanoi pv. phaseolicola*) - Race 6 (51) *

1 - absent	Michelet (D)
9 - present	Masai (D) Vaillant

05 . 21 . Resistance to Common Blight (*Xanthomonas axonopodis pv. phaseoli*) (Xap) - Isolate 422 (52)

1 - absent	Echo (D), Keygold (D)
9 - present	Walley (US line) (D)

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

Yes, specify

No

07 . 02 . Are there any special conditions for growing the variety or conducting the examination? *

07 . 02 . 02 . Part mainly consumed *

pod

seed

07 . 02 . 03 . Main use *

fresh market or garden

canning

Please indicate type

other

Please specify

07 . 02.01 . Type of culture *

in the greenhouse

in the open field

07 . 02.04 . Are there any special conditions for growing the variety or conducting the examination? *

Yes, specify

No

07 . 03 . Other information *

07 . 03.01 . Resistance to pests and diseases *

Yes, specify

No

07 . 03.02 . Other information *

Yes, specify

No

07 . 04 . Photo

It is highly recommended to provide pictures (up to five). Otherwise, the organisation of the technical examination will be rendered less efficient, with the risk of an additional year of technical examination at the costs of the applicant. Full guidance on the picture quality can be found here

07 . 04.01 . Details of the photo(s)

Place and conditions under which the material shown in the photo was grown (e.g. plants grown in the greenhouse vs. grown in the open field)

Date of the photo(s) (month and year)

07 . 04.02 . Attached photo(s)

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 . Other factors *

Yes, specify

No

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