



National Food Chain Safety Office

Agricultural Genetic Resources Directorate

Technical questionnaire

French bean

CPVO/TQ-012/4

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 *

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

1 - dwarf	Callide (D), Capitole (D)
2 - climbing	Phenomene (C), Bacle (C)

05 . 02 . Flower: colour of standard (15) (G) *

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

05 . 03.01 . Dwarf beans only: Pod: length (excluding beak) (17.1)

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

05 . 03.02 . Climbing beans only: Pod: length (excluding beak) (17.2)

1 - very short	
2 - very short	
3 - short	Juwagold (C)
4 - short to medium	
5 - medium	
6 - medium to long	
7 - long	Fidel (C)
8 - long to very long	
9 - very long	Toplong (C)

05 . 04 . Pod: shape of cross section (through seed) (21) (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 . 05 . Pod: ground colour (22) (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 . 06 . Pod: stringiness on ventral suture (27) (G) *

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

05 . 07 . Seed: weight (35) *

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

05 . 08 . Seed: number of colours (41) (G) *

1 - one	
2 - two	
3 - more than two	

05 . 09 . 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 . 10 . Seed: predominant secondary colour (43) (G) *

1 - grey	
2 - yellow	
3 - beige	
4 - brown	
5 - red	Fiori (D)
6 - violet	Marbel (D)
7 - black	Brittle Wax (D)
8 - none	

05 . 11 . Time of flowering (50% of the plants with at least one flower) (46) *

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

05 . 12 . Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*), Race 6 (47.1) (G) *

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

05 . 13 . Resistance to Bean Common Mosaic Necrosis Virus (BCMNV) (48) (G) *

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

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 *****07 . 01.01 . Resistance to Bean anthracnose (*Colletotrichum lindemuthianum*) ***

07 . 01.01.01 . Race Kappa (char. 47.2) * absent present not tested

07 . 01.01.02 . Other races * absent present not tested

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

07 . 01.02.01 . Race 6 (char. 49) * absent present not tested

07 . 01.02.02 . Other races * absent present not tested

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

Isolate 422 (char. 50)

absent

present

not tested

07 . 01.04 . Other resistances to pests and diseases (fill none if you are not concerned) *

absent

present

Please specify

not tested

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? *

07 . 03.01 . Type of culture *

under glass

in the open field

07 . 03.02 . Part mainly consumed *

Pod

seed

07 . 03.03 . Main use *

fresh market or garden

canning

Please indicate type

07 . 03.04 . 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

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