



TECHNICAL QUESTIONNAIRE

to be completed in connection with an application for Community Plant Variety Rights
Please answer all questions. A question without any answer will lead to a non-attribution
of an application date. In cases where a field / question is not applicable, please state so.

1. **Botanical taxon:** Name of the genus, species or sub-species to which the variety belongs and common name

Zea mays L.

MAIZE

2. **Applicant(s):** Name(s) and address(es), phone and fax number(s), Email address, and where appropriate name and address of the procedural representative

3. **Variety denomination**

a) Where appropriate proposal for a variety denomination:

b) Provisional designation (breeder's reference):

4. Information on origin, maintenance and reproduction of the variety

4.1 Type of material

- (i) inbred line
- (ii) single-cross hybrid
- (iii) three-way hybrid
- (iv) double-cross hybrid
- (v) open-pollinated variety
- (vi) other (indicate formula)

Variety resulting from:

- 1) Crossing
 - a) controlled cross.....
(please state parent varieties)
 - b) partially known cross.....
(please state known parent variety(ies))
 - c) unknown cross.....
- 2) Mutation.....
(please state parent variety)
- 3) Discovery and development.....
(please state where and when discovered
and how developed)
- 4) Other.....
(please provide details)

4.2 Method of propagating the variety

4.2.1 In the case of hybrid varieties the production scheme should be provided. This should provide details of all the parent lines required for propagating the hybrid e.g.

(a) *Single Hybrid*

(female parent line) x (male parent line)

(b) *Three-Way Hybrid*

single hybrid (below) used as female parent x (male parent line)

or (female parent line) x single hybrid (below) used as male parent

(female parent line) x (male parent line)
single hybrid

(c) *Double Hybrid*

(female parent line) x (male parent line)
single hybrid used as female parent

(female parent line) x (male parent line)
single hybrid used as male parent

(single hybrid used as female parent) x (single hybrid used as male parent)

and should identify in particular:

- (i) any male sterile female parent lines

- (ii) maintenance system of male sterile female parent lines

4.2.2 Open-pollinated variety (please provide details)

4.2.3 Other (please provide details)

4.3 Geographical origin of the variety: the region and the country in which the variety was bred or discovered and developed

4.4 Notification concerning a technical examination carried out within a DUS system of breeders participation (see Document Doc-CA/01/1/9 of the Administrative Council of the Office)

No, the variety has not been notified for being tested under such system

Yes, the variety has been notified for being tested under such system

If you notified the Examination Office on your intention to use the breeders participation system (for the hybrid and/or its components), please attach a copy of the notification(s) bearing a confirmation stamp of the Examination Office.

In case of hybrids, please give the requested information for each component too (you may use the confidential part of the technical questionnaire to indicate this information):

5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in the CPVO Protocol; please mark the state of expression which best corresponds).

	Characteristics	Example varieties	Note
5.1 (6)	Tassel: time of anthesis		
	very early		1
	very early to early	KW1069, Spirit (SC)	2
	early	F257, Champ (SC)	3
	early to medium	F259, Centurion (SC)	4
	medium	F522, Zenith (SC)	5
	medium to late	A632	6
	late	B73	7
	late to very late	AM1513	8
	very late		9

	Characteristics	Example varieties	Note
5.2 (7)	Tassel: anthocyanin coloration at base of glume		
	absent or very weak	W117, Royalty (SC)	1
	weak	F66, Boston (SC)	3
	medium	F107	5
	strong	EP1	7
	very strong		9
5.3 (14)	Ear: anthocyanin coloration of silks		
	absent or very weak	F7, F195, Bonus (SC)	1
	weak	F257, El Toro (SC)	3
	medium	F244, Gyöngymazsola (SC)	5
	strong	W401	7
	very strong		9
5.4.i (22.1)	<u>Only inbred lines and varieties with ear type of grain: sweet or pop:</u> Plant: length		
	very short	F7	1
	short	W117, Spirit (SC)	3
	medium	F244, Puma (SC)	5
	long	WD36, Royalty (SC)	7
	very long	Enterprise (SC)	9
5.4.ii) (22.2)	<u>Only hybrids and open-pollinated varieties, excluding varieties with ear type of grain: sweet or pop:</u> Plant: length		
	very short		1
	short	PR39D23	3
	medium	PR37Y12	5
	long	DKC5166	7
	very long		9

	Characteristics	Example varieties	Note
5.5 (34)	Ear: type of grain		
	flint	F2	1
	flint-like	F252	2
	intermediate	F107	3
	dent-like	A654	4
	dent	W182 E	5
	sweet	Jubilee (SC)	6
	pop	Iowa Pop (PC)	7
	waxy		8
flour		9	
5.6 (37)	<u>Excluding varieties with ear type of grain: sweet:</u> Ear: colour of dorsal side of grain		
	white	F481	1
	yellowish white	A188	2
	yellow		3
	yellow orange	F66	4
	orange	EP1	5
	red orange		6
	red		7
	purple		8
	brownish		9
	blue black		10

Characteristics		Example varieties	Note
5.7 (39)	Ear: anthocyanin coloration of glumes of cob		
	absent or very weak	F2, F257	1
	weak	F252	3
	medium	W117	5
	strong	A632	7
	very strong		9
6. Similar varieties and differences from these varieties:			
Denomination of similar variety	Characteristic in which the similar variety is different ¹⁾	State of expression of similar variety	State of expression of candidate variety
<p>¹⁾ In the case of identical states of expressions of both varieties, please indicate the size of the difference</p>			
7. Additional information which may help to distinguish the variety			
7.1 Resistance to pests and diseases			
7.2 Special conditions for the examination of the variety			
YES, please specify			
NO			

7.3 Other information

Sweet corn varieties only: type

Normal sweet varieties (su1)	1
Sugary enhanced varieties (se)	2
Super sweet varieties (sh2)	3
Other (please specify)	4

Other information

8. GMO-information required

The variety represents a Genetically Modified Organism within the meaning of Article 2(2) of Council Directive 2001/18/EC of 12/03/2001.

YES

NO

If yes, please add 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 (EC) No. 2100/94 does not pose risks to the environment according to the norms of the above-mentioned Directive.

9. Information on plant material to be examined

9.1 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.

9.2 The plant material 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:

(a) Microorganisms (e.g. virus, bacteria, phytoplasma)	Yes	No
(b) Chemical treatment (e.g. growth retardant or pesticide)	Yes	No
(c) Tissue culture	Yes	No
(d) Other factors	Yes	No

Please provide details of where you have indicated "Yes":

10. Possible place of the technical examination

In case the CPVO needs to arrange a technical examination for this candidate variety, there might be more than one examination office entrusted by the CPVO suitable to grow your variety. In this case, the Office will decide on the place of the technical examination but you might wish to express here a preference in respect of an examination office. The available entrusted examination offices for that species can be found in the S2 Gazette under <http://www.cpvo.europa.eu/main/en/home/documents-and-publications/s2-gazette>

I/we hereby declare that to the best of my/our knowledge the information given in this form is complete and correct.

Date

Signature

Name

[End of document]