

PROTOCOL FOR DISTINCTNESS, UNIFORMITY AND STABILITY TESTS

Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis L.

CAULIFLOWER

UPOV Species Code: BRASS_OLE_GBB

Adopted on 11/03/2010

Entered into force on 12/03/2010

I SUBJECT OF THE PROTOCOL

The protocol describes the technical procedures to be followed in order to meet the Council Regulation 2100/94 on Community Plant Variety Rights. The technical procedures have been agreed by the Administrative Council and are based on general UPOV Document TG/1/3 and UPOV Guideline TG 45/7 dated 01/04/2009 for the conduct of tests for Distinctness, Uniformity and Stability. This protocol applies to all varieties of *Brassica oleracea* L. convar. *botrytis* (L.) Alef. var. *botrytis* L.

II SUBMISSION OF SEED AND OTHER PLANT MATERIAL

- 1. The Community Plant Variety Office (CPVO) is responsible for informing the applicant of
 - the closing date for the receipt of plant material;
 - the minimum amount and quality of plant material required;
 - the examination office to which material is to be sent.

A sub-sample of the material submitted for test will be held in the variety collection as the definitive sample of the candidate variety.

The applicant is responsible for ensuring compliance with any customs and plant health requirements.

2. Final dates for receipt of documentation and material by the Examination Office

The final dates for receipt of requests, technical questionnaires and the final date or submission period for plant material will be decided by the CPVO and each Examination Office chosen.

The Examination Office is responsible for immediately acknowledging the receipt of requests for testing, and technical questionnaires. Immediately after the closing date for the receipt of plant material the Examination Office should inform the CPVO whether acceptable plant material has been received or not. However if unsatisfactory plant material is submitted the CPVO should be informed as soon as possible.

3. Plant material requirements

The final dates for request for technical examination and sending of Technical Questionnaire as well as submission date of plant material by the applicant, and quantity of plant material to be supplied by the applicant are published on the CPVO website.

Quality of seed:	. Should not be less than the standards laid down for certified seed in Annex II of Council Directive 2002/55/EC.
Seed Treatment:	. The plant material must not have undergone any treatment unless the CPVO and the examination office allow or request such treatment. If it has been treated, full details of the treatment must be given.
Special requirements:	
Labelling of sample:	 - Species - File number of the application allocated by the CPVO - Breeder's reference - Examination reference (if known) - Name of applicant

- The phrase "On request of the CPVO".
- In the case of a split sample, the quantity of seed being submitted¹.

III CONDUCT OF TESTS

1. <u>Variety collection</u>

A variety collection will be maintained for the purpose of establishing distinctness of the candidate varieties in test. A variety collection may contain both living material and descriptive information. A variety will be included in a variety collection only if plant material is available to make a technical examination.

Pursuant to Article 7 of Council Regulation (EC) No. 2100/94, the basis for a collection should be the following:

- varieties listed or protected at the EU level or at least in one of the EEA Member States;
- varieties protected in other UPOV Member States;
- any other variety in common knowledge.

The composition of the variety collection in each Examination Office depends on the environmental conditions in which the Examination Office is located.

Variety collections will be held under conditions which ensure the long term maintenance of each accession. It is the responsibility of Examination Offices to replace reference material which has deteriorated or become depleted. Replacement material can only be introduced if appropriate tests confirm conformity with the existing reference material. If any difficulties arise for the replacement of reference material Examination Offices must inform the CPVO. If authentic plant material of a variety cannot be supplied to an Examination Office the variety will be removed from the variety collection.

2. <u>Material to be examined</u>

Candidate varieties will be directly compared with other candidates for Community plant variety rights tested at the same Examination Office, and with appropriate varieties in the variety collection. When necessary an Examination Office may also include other candidates and varieties. Examination Offices should therefore make efforts to coordinate the work with other Offices involved in DUS testing of cauliflower. There should be at least an exchange of technical questionnaires for each candidate variety, and during the test period, Examination Offices should notify each other and the CPVO of candidate varieties which are likely to present problems in establishing distinctness. In order to solve particular problems Examination Offices may exchange plant material.

3. Characteristics to be used

The characteristics to be used in DUS tests and preparation of descriptions shall be those referred to in the Annex 1. All the characteristics shall be used, providing that observation of a characteristic is not rendered impossible by the expression of any other characteristic, or the expression of a characteristic is prevented by the environmental conditions under which the test is conducted. In the latter case, the CPVO should be informed. In addition the existence of some other regulation e.g. plant health, may make the observation of the characteristic impossible.

The Administrative Council empowers the President, in accordance with Article 23 of Commission Regulation (EC) No. 874/2009, to insert additional characteristics and their expressions in respect of a variety.

4. Grouping of varieties

The varieties and candidates to be compared will be divided into groups to facilitate the assessment of distinctness. Characteristics which are suitable for grouping purposes are those which are known from experience not to vary, or to vary only slightly, within a variety and which in their various states of expression are fairly evenly distributed throughout the collection. In the case of continuous grouping characteristics overlapping states of expression between adjacent groups is required to reduce the risks of incorrect allocation of candidates to groups. The characters used for grouping are the following:

- a) Seedling: anthocyanin coloration of hypocotyl (characteristic 1)
- b) Curd: colour (characteristic 21)
- c) Flower: colour (characteristic 25)
- d) Earliness in spring planting (characteristic 26)
- e) Earliness in summer planting (characteristic 27)
- f) Male sterility (characteristic 28)

5. Trial designs and growing conditions

The minimum duration of tests will normally be two independent growing cycles.. Tests will be carried out under conditions ensuring normal growth. The size of the plots will be such that plants or parts of plants may be removed for measuring and counting without prejudice to the observations which must be made up to the end of the growing period.

The test design is as follows:

As a minimum, each test should include a total of 60 plants, divided between two or more replicates.

All observations determined by measurement or counting should be made on 20 plants or parts of 20 plants.

6. Special tests

In accordance with Article 83(3) of Council Regulation (EC) No. 2100/94 an applicant may claim either in the Technical Questionnaire or during the test that a candidate has a characteristic which would be helpful in establishing distinctness. If such a claim is made and is supported by reliable technical data, a special test may be undertaken providing that a technically acceptable test procedure can be devised.

Special tests will be undertaken, with the agreement of the President of CPVO, where distinctness is unlikely to be shown using the characters listed in the protocol.

7. Standards for decisions

a) Distinctness

A candidate variety will be considered to be distinct if it meets the requirements of Article 7 of Council Regulation (EC) No. 2100/94.

b) Uniformity

For the assessment of uniformity of cross-pollinated varieties relative uniformity standards should be applied.

For the assessment of uniformity of single cross hybrids and inbred lines, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 60 plants, 2 off-types are allowed. In addition, for single cross hybrids, a population standard of 3% and an acceptance probability of at least 95% should be applied for inbred plants obviously resulting from the selfing of a parent line. In the case of a sample size of 60 plants, 4 inbred plants are allowed.

c) Stability

A candidate will be considered to be sufficiently stable when there is no evidence to indicate that it lacks uniformity

IV REPORTING OF RESULTS

After each recording season the results will be summarised and reported to the CPVO in the form of a UPOV model interim report in which any problems will be indicated under the headings distinctness, uniformity and stability. Candidates may meet the DUS standards after two growing periods but in some cases three growing periods may be required. When tests are completed the results will be sent by the Examination Office to the CPVO in the form of a UPOV model final report.

If it is considered that the candidate complies with the DUS standards, the final report will be accompanied by a variety description in the format recommended by UPOV. If not the reasons for failure and a summary of the test results will be included with the final report.

The CPVO must receive interim reports and final reports by the date agreed between the CPVO and the examination office.

Interim reports and final examination reports shall be signed by the responsible member of the staff of the Examination Office and shall expressly acknowledge the exclusive rights of disposal of CPVO.

V LIAISON WITH THE APPLICANT

If problems arise during the course of the test the CPVO should be informed immediately so that the information can be passed on to the applicant. Subject to prior agreement, the applicant may be directly informed at the same time as the CPVO particularly if a visit to the trial is advisable.

The interim report as well as the final report shall be sent by the Examination Office to the CPVO.

VI ENTRY INTO FORCE

The present protocol enters into force on **12/03/2010**. Any ongoing DUS examination of candidate varieties started before the aforesaid date will not be affected by the approval of the new TP. Technical examinations of candidate varieties are carried out according to the TP in force when the DUS test starts. The starting date of a DUS examination is considered to be the due date for the submission of plant material for the first growing period.

In cases where the CPVO requests to take-over a DUS report for which the technical examination has either been finalized or which is in the process of being carried out at the moment of the request, such report can only be accepted if the technical examination has been carried out according to the CPVO TP which was in force at the moment when the technical examination started.

ANNEXES TO FOLLOW

ANNEX	PAGE
	Table of characteristics
	Explanations and methods
	<u>Legend</u> :
The aste which sh In gener might be	For the CPVO numbered characteristics, all characteristics in the table are compulsory; notwithstanding, in the case resistance characteristics, only those resistances marked with an asterisk (*) in the CPVO column are compulsory. Perisks in the UPOV numbered characteristics are there for information purposes and denote those characteristics ould always be observed when a UPOV guideline is utilised. If the assessment of resistance characteristics, the facilities of other Examination Offices or specialised institutions a used, subject to previous arrangements. Aracteristics may be discarded: if there are already phytosanitary restrictions.
(+) (a)-(b) G	See explanations on the Table of characteristics See explanations on the table of characteristics Grouping characteristic
Types of	expression of characteristics:
QL QN PQ	Qualitative characteristic Quantitative characteristic Pseudo-qualitative characteristic
Type of	observation of characteristics:
MG MS VG VS	Single measurement of a group of plants or parts of plants Measurement of a number of individual plants or parts of plants Visual assessment by a single observation of a group of plants or parts of plants Visual assessment by observation of individual plants or parts of plants
	method of observation is attributed to a certain characteristic, the first differentiation is made depending if the action a <u>visual observation (V)</u> or a <u>measurement (M)</u> .
The seco	and differentiation deals with the number of observations the expert attributes to each variety, thus the attribution of or S.
expression the lette that we	gle observation of a group consisting of an undefined number of individual plants is appropriate to assess the on of a variety, we talk about a visual observation or a measurement made on a group of plants, thus we attribute r G (either VG or MG). If the expert makes more than one observation on that group of plants, the decisive part is have at the end <u>only one data entry per variety</u> which means that we have to deal with G (e.g. measurement of gth on a plot – MG, visual observation of green colour of leaves on a plot – VG).
S (thus measure	ecessary to observe a number of individual plants to assess the expression of a variety, we should attribute the letter either VS or MS). Single plant data entries are kept per variety for further calculations like the variety mean (e.g. ment of length of ears – MS, visual observation of growth habit of single plants in grasses – VS). The number of all plants to be observed in such cases is stated in section III.5.
	Literature 17

ANNEX II

Technical Questionnaire

ANNEX I

TABLE OF CHARACTERISTICS TO BE USED IN DUS-TEST AND PREPARATION OF DESCRIPTIONS

CPVO N°	UPOV N°	Stage	Characteristics	Examples	Note	
1.	1. (*)	VG	Seedling: anthocyanin coloration of hypocotyl			
QL	QL		absent	Brio	1	
G			present	Ciren, Dominant	9	
2.	2.	VG/MG	Plant: height (at time of harvest)			
QN	QN	(a)	very short		1	
			short	Luxor, Opaal	3	
			medium	Fastman, Mexico	5	
			tall	Neven, Sirente	7	
			very tall	Calisa, Paradiso	9	
3.	3.	VG/MG	Stem: length (up to insertion of first leaf)			
QN	QN	(a)	short	Mexico, Opaal	3	
			medium	Nautilus	5	
			long	Neven, Paradiso	7	
4.	4.	VG	Leaf: attitude			
	(*)	(a)	erect	Igloo, Paradiso	1	
(+)	(+)		semi-erect	Erfurter Zwerg, Fastman	3	
QN	QN		horizontal	Isabel, Opaal	5	
5.	5.	VG/MS	Leaf: length			
	(*)	(a)	very short		1	
QN	QN		short	Nagano, Opaal	3	
			medium	Aviso	5	
			long	Géant de Naples tardif, Snow March, Memphis	7	
			very long	Magnifico, Paradiso	9	

CPVO N°	UPOV N°	Stage	Characteristics Examples		Note
6.	6.	VG/MS	Leaf: width		
	(*)		very narrow Géant de Naples tardif		1
QN	QN	(a)	narrow	Andes, Capvert	3
			medium	Broden, Lindon	5
			broad Memphis, Vogue		7
			very broad	Torens	9
7.	7.	VG	Leaf: ratio width/length		
	(*)	(a)	compressed	Akita, Géant de Naples tardif	3
QN	QN		medium	Astell, Buren	5
			elongated	Arbon, Lazio	7
8.	8.	VG	Leaf: lobing		
(+)	(+)	(a)	absent Idol		1
QL	QL		present	Atao, Romanesco ottobrino	9
9.	9.	VG	Leaf: colour (with wax if present)		
PQ	PQ	(a)	green	Baltimore, Belot, Lecerf	1
			grey green	Calisa, Géant de Naples tardif	2
			blue green	Arbon, Barrier Reef, Ciren	3
10.	10.	VG	Leaf: intensity of colour (with wax if present)		
	(*)	(a)	light	Baltimore, Ciren	3
QN	QN		medium	Barrier Reef, Belot, Calisa	5
			dark	Arbon, Lecerf	7
11.	11.	VG	Leaf: twisting of tip		
QN	QN	(a)	absent or very weak	Akita	1
			weak	Belot, Di Jesi	3
			medium	Barca, Imola	5
			strong	Oceano, Sernio	7
			very strong		9

CPVO N°	UPOV N°	Stage	Characteristics Examples		Note
12.	12.	VG	Leaf: shape in cross-section		
QN	QN	(a)	concave	Bruce, Géant de Naples Tardif	1
			flat	Akita, Emeraude	2
			convex Cortes		3
13.	13.	VG	Leaf: blistering		
QN	QN	(a)	absent or very weak	Akita, Lecerf	1
			weak	Alpen, Opaal	3
			medium	Montano, Nautilus, Sergeant	5
			strong	Sernio, Siria	7
			very strong		9
14.	14.	VG	Leaf: crimping near main vein		
(+)	(+)	(a)	absent or very weak Avelek, Fangio		1
QN	QN		weak Balmoral, Flanca		3
			medium	Mexico, Vinson	
			strong	Akita, Sernio	
			very strong	Izoar, Minioc	9
15.	15.	VG	Leaf: undulation of margin		
QN	QN	(a)	absent or very weak	Etoile 23, Géant de Naples tardif	1
			weak	Akita, Beluga	3
			medium	Admirable, Alice Springs	5
			strong	Purdy, Siria	7
			very strong	Celebrity	9
16.	16.	VG	Curd: covering by inner leaves		
	(*)	(b)	not covered	Capvert, Opaal	1
QN	QN		partly covered	Celesta, Eskimo	2
			fully covered	Amistad, Charif	3

CPVO N°	UPOV N°	Stage	Characteristics	Examples	Note
17.	17.	MS	Curd: height		
	(*)	(b)	short	Lecerf, Mechelse 2	3
(+)	(+)		medium	Kernis, Tetris	5
QN	QN		tall	Amistad, Gitano	7
18.	18.	MS	Curd: diameter		
	(*)	(b)	small	Lumina	3
QN	QN		medium	Barrier Reef, Malaga	5
			large	Fremont, Novia, Plessi	7
19.	19.	VG	Curd: shape in longitudinal section		
	(*)	(b)	circular	Gipsy Moth, Linero	1
(+)	(+)		transverse broad elliptic	Aviron, Melody	2
PQ	PQ		transverse medium elliptic	Akita, Celesta	3
			transverse narrow elliptic	Erfurter, Lecerf	4
			triangular	Romanesco ottobrino	5
20.	20.	VG	Excluding varieties with curd shape triangular: Curd: doming		
	(*)	(b)	weak	Burgh, Lecerf	3
(+)	(+)		medium	Akita, Géant de Naples tardif	5
QN	QN		strong	Belot, White Rock	7
21.	21.	VG	Curd: colour		
	(*)	(b)	whitish	Astell, Iceberg	1
PQ	PQ		yellow	Di Jesi	2
			orange	Cheddar, Sunset	3
			green	Amfora	4
G			violet	Graffiti	5

CPVO N°	UPOV N°	Stage	Characteristics Examples		Note	
22.	22.	VG	Curd: knobbling			
(+)	(+)	(b)	very fine	very fine		
QN	QN		fine Nautlilus, Opaal		3	
			medium	Corvilia, Nedeleg	5	
			coarse	Niagara	7	
			very coarse	Navona	9	
23.	23.	VG	Curd: texture			
(+)	(+)	(b)	fine	Boris, Erfurter	3	
QN	QN		medium	Beluga, Gaviote	5	
G			coarse	Géant de Naples Tardif, Niagara	7	
24.	24.	VG	Curd: anthocyanin coloration after harvest maturity			
QL	QL		absent Evita, Mantis		1	
			present Flanca, Planita		9	
25.	25. (*)	VG	Flower: colour			
QL	QL		white	Bruce, Ecrin	1	
G			yellow	Lecerf	2	
26.	26.	MS	Earliness in spring planting			
	(*)		very early		1	
(+)	(+)		very early to early		2	
QN	QN		early		3	
			early to medium		4	
			medium		5	
			medium to late		6	
			late		7	
			late to very late		8	
G			very late		9	

CPVO N°	UPOV N°	Stage	Characteristics	Characteristics Examples			
27.	27.	MS	Earliness in summer planting				
	(*)		very early autumn type	1			
(+)	(+)		very early to early autumn type		2		
QN	QN		early autumn type		3		
			early to medium autumn type		4		
			medium autumn type		5		
			medium to late autumn type		6		
			late autumn type		7		
			late to very late autumn type	8			
			very late autumn type	9			
			very early winter type	10			
			very early to early winter type		11		
			early winter type	12			
			early to medium winter type	13			
			medium winter type		14		
			medium to late winter type		15		
			late winter type		16		
			late to very late winter type		17		
G			very late winter type		18		
28.	28. (*)	VG	Male sterility				
(+)	(+)		absent	Alpha 2	1		
QL	QL		partial	Dunvez, Odegwen	2		
G			present Aviron, Bodilis				

EXPLANATIONS AND METHODS

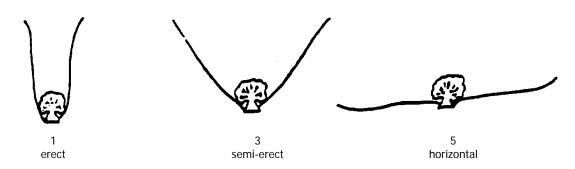
1 Explanations covering several characteristics

Characteristics containing the following key in the third column of the Table of Characteristics should be examined as indicated below:

- (a) <u>Foliage and leaf</u>: Observations on the foliage and the leaf which should be made at the time of full development of the foliage, before curd formation. All observations on the leaf should be made on the largest leaf.
- (b) <u>Curd:</u> Observations on the curd which should be made when the curd is fully developed (at harvest maturity).

2 Explanations for individual characteristics

Ad 4: Leaf: attitude



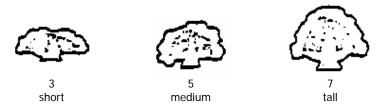
Ad. 8: Leaf: lobbing



Ad. 14: Leaf: crimping near main vein

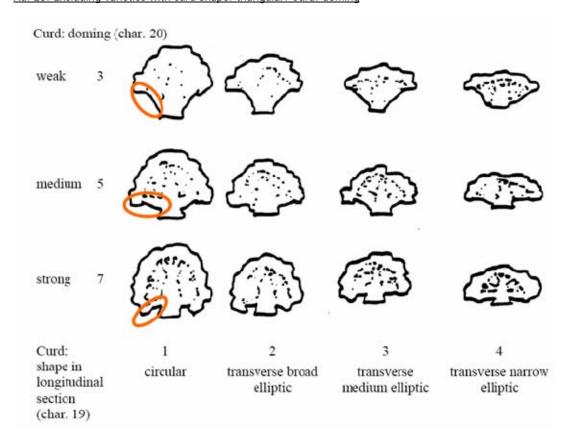


Ad. 17: Curd: height

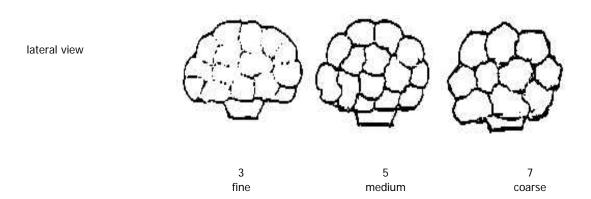


Ad. 19: Curd: shape in longitudinal section

Ad. 20: Excluding varieties with curd shape: triangular: Curd: doming



Ad. 22: Curd: knobbling



Ad. 23: Curd: texture

The texture is "fine" when the surface of the curd is very smooth and is "coarse" when the surface of the curd is granular.

Ad. 26: Earliness in spring planting

Ad. 27: Earliness in summer planting

In cauliflower, earliness is strongly influenced by the temperature and the season of growing. Nevertheless, at the same place and for the same growing season, earliness is an important characteristic for the assessment of distinctness of varieties. For those reasons, no example varieties are provided in the Test Guidelines and the variety description should always state the place and the season of growing.

Ad. 28: Male sterility

Absent = >70% fertile plants (open-pollinated varieties or hybrid varieties produced with self-incompatibility

systems)

Partial = 30% to 70% fertile plants (heterozygotic genetic sterility)

Present = <30% fertile plants (sterile cytoplasm)

LITERATURE

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Wiebe, H.J., 1975: The Morphological development of cauliflower and broccoli cultivars depending on temperature. Sci. Hort. 3, pp. 95-101.

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ANNEX II



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.

Botanical taxon: Name of the genus, species or sub-species to which the variety belongs and common name
 Brassica oleracea L. convar. botrytis (L.) Alef. var. botrytis L.

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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		•		intenance and reproduction of the variety breeding scheme, parents, other relevant information				
	(a)	(i)	hybri	d[]				
		(ii)	oper	n-pollinated variety[]				
		(iii)) pare	ent line				
	(b)	(i)	seed	propagated[]				
		(ii)	vege	etatively propagated[]				
	(c)	Ot	her ir	nformation on genetic origin and breeding method[]				
4.2	Meth	od	of pro	opagating the variety				
	(a)	See	ed propagated varieties				
			(i)	Cross-pollination []				
			(ii)	Hybrid				
				seed-propagated parents[]				
				one vegetatively propagated and one seed-propagated parent[]				
				two vegetatively propagated parents				
			(iii)	Other (please provide details)				
	(1	b)	Veg	getative propagated varieties				
			(i)	cuttings[]				
			(ii)	in vitro propagation				
			(iii)	other (state method)[]				
4.3	Geog and d			origin of the variety: the region and the country in which the variety was bred or discovered				

4.4	Shall the information on data relating to components of hybrid varieties including data related to their cultivation be treated as confidential?								
	[]]	YES	[]	NO				
	If y	es,	please give this info	matic	on on the atta	ched form for confidential informati	ion.		
	If no, please give information on data relating to components of hybrid varieties including data related to their cultivation:								
	Bre	ediı	ng scheme (indicate	femal	e component	first)			
5.	cor	resp				ted (the number in brackets refers col; please mark the state of expre			
			Characteristics			Example varieties	Note		
5.1 (1)	,	See	edling: anthocyani	n cold	oration of hy	pocotyl			
	ć	abs	ent			Brio	1[]		
	ı	pres	sent			Ciren, Dominant	9[]		
5.2 (10)	I	Lea	if: intensity of colo	ur (v	vith wax if p	resent)			
	ı	ligh	t			Baltimore, Ciren	3 []		
	ı	med	dium			Barrier Reef, Belot, Calisa	5 []		
	(darl	k			Arbon, Lecerf	7 []		
5.3 (21)	(Cur	d: colour						
	١	whi	tish			Astell, Iceberg	1[]		
		yello	OW			Di Jesi	2[]		
	(orar	nge			Cheddar, Sunset	3 []		
	į	gree	en			Amfora	4 []		
	١	viole	et			Graffiti	5[]		
5.4 (25)	İ	Flo	wer: colour						
	١	whi	te			Bruce, Ecrin	1[]		
	3	yello	OW			Lecerf	2[]		

	Characteristics	Example varieties	Note
5.5 (26)	Earliness in spring planting		
	very early		1[]
	very early to early		2[]
	early		3 []
	early to medium		4 []
	medium		5[]
	medium to late		6[]
	late		7[]
	late to very late		8[]
	very late		9[]
5.6 (27)	Earliness in summer planting		
(27)	very early autumn type		1[]
	very early to early autumn type		2[]
	early autumn type		3 []
	early to medium autumn type		4 []
	medium autumn type		5 []
	medium to late autumn type		6[]
	late autumn type		7[]
	late to very late autumn type		8[]
	very late autumn type		9[]
	very early winter type		10 []
	very early to early winter type		11 []
	early winter type		12 []
	early to medium winter type		13 []
	medium winter type		14 []
	medium to late winter type		15 []
	late winter type		16 []
	late to very late winter type		17 []
	very late winter type		18 []

Characteristics		Example varieties	Note					
5.7 (28)	Male sterility	1						
(==)	absent		Alpha 2					
	partial		Dunvez, Odegwen	2[]				
	present		Aviron, Bodilis	3 []				
6.	6. Similar varieties and differences from these varieties:							
	Denomination of Characteristic in which similar variety similar variety is different			State of expression of candidate variety				
In the case of identical states of expressions of both varieties, please indicate the size of the difference Additional information which may help to distinguish the variety Resistance to pests and diseases								
7.2	.2 Special conditions for the examination of the variety							
	[] YES, please specify							
	[] NO							
7.3	Other information	1						
	[] YES, please s	specify						
	[] NO							

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. 2100/94does 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, p	ohytoplasma)	[] Yes [] No			
	(b) Chemical treatment (e.g. growth retain	rdant or pesticide)	[] Yes [] No			
	(c) Tissue culture		[] Yes [.] No			
	(d) Other factors		[] Yes [] No			
	Please provide details of where you have indicated "Yes":						
	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]