Commission Directive 2009/74/EC of 26 June 2009 amending Council Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC as regards the botanical names of plants, the scientific names of other organisms and certain Annexes to Directives 66/401/EEC, 66/402/EEC and 2002/57/EC in the light of developments of scientific and technical knowledge (Text with EEA relevance)

COMMISSION DIRECTIVE 2009/74/EC

of 26 June 2009

amending Council Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC as regards the botanical names of plants, the scientific names of other organisms and certain Annexes to Directives 66/401/EEC, 66/402/EEC and 2002/57/EC in the light of developments of scientific and technical knowledge

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 66/401/EEC of 14 June 1966 on the marketing of fodder plant seed⁽¹⁾, and in particular Articles 2(1a) and 21a thereof,

Having regard to Council Directive 66/402/EEC of 14 June 1966 on the marketing of cereal seed⁽²⁾, and in particular Articles 2(1a) and 21a thereof,

Having regard to Council Directive 2002/55/EC of 13 June 2002 on the marketing of vegetable seed⁽³⁾, and in particular Article 45 thereof,

Having regard to Council Directive 2002/57/EC of 13 June 2002 on the marketing of seed of oil and fibre plants⁽⁴⁾, and in particular Articles 2(2) and 24 thereof,

Whereas:

- (1) In the light of the development of scientific knowledge, the International Code of Botanical Nomenclature (ICBN) has been revised with respect to certain botanical names of cultivated species and of weeds. Similarly, international practice as regards the scientific names of certain organisms has evolved. In order to reflect those scientific developments, Directives 66/401/EEC, 66/402/EEC and 2002/57/EC should be adapted as regards the botanical names of the cultivated species set out in Article 1(2) of this Directive, Article 2(2) thereof and Article 4(2) thereof and of the weeds, *Agropyron repens* (L.) Desv. ex Nevski and *Avena ludoviciana* (Durieu) Nyman and the scientific names: *Alternaria* spp., *Ascochyta linicola, Phoma linicola*. Moreover some taxonomic groups of plants formerly considered as subspecies of a given species have been identified as independent species. Directives 66/401/EEC and 66/402/EEC should be amended in order to take into account those new classifications.
- (2) The conditions for seed production, field inspection, sampling and testing provided for in Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC are based

on internationally accepted standards, as established by the International Seed Testing Association (ISTA) and the Organisation for Economic Cooperation and Development (OECD).

- (3) The ISTA has revised its standards in respect of the maximum weights of seed lots of Arachis hypogaea L., Glycine max (L.) Merr., Lupinus albus L., Lupinus angustifolius L., Lupinus luteus L., Phaseolus coccineus L., Phaseolus vulgaris L., Pisum sativum L., Sorghum bicolor (L.) Moench, Sorghum bicolor (L.) Moench x S. sudanense (Piper) Stapf, Vicia faba L., Vicia pannonica Crantz, Vicia sativa L., Vicia villosa Roth. Consequently, it is appropriate to align the maximum weights of seed lots, as laid down for those species in Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC, with those international standards.
- (4) The maximum content of seed of *Raphanus raphanistrum* L. and *Sinapis arvensis* L. in seed of *Galega orientalis* Lam., as laid down in Directive 66/401/EEC, should be adapted in accordance with the relevant standards established by the OECD.
- (5) The OECD revised its standards in respect of the isolation distances for cotton seed crops. Consequently, it is appropriate to align the isolation distances for cotton seed crops, as laid down in Directive 2002/57/EC, with those international standards.
- (6) The experience gained, in particular, in the context of the application of Commission Regulation (EC) No 217/2006 of 8 February 2006 laying down rules for the application of Council Directives 66/401/EEC, 66/402/EEC, 2002/54/EC, 2002/55/EC and 2002/57/EC as regards the authorisation of Member States to permit temporarily the marketing of seed not satisfying the requirements in respect of minimum germination⁽⁵⁾, has shown that the minimum germination percentages of pure seed required by Directives 66/402/EEC and 2002/55/EC as regards *Avena nuda* L., *Zea mays* L., as super-sweet corn and *Hordeum vulgare* L., as naked barley do not allow a sufficient availability of seed of those species. In the light of technical knowledge, it is therefore appropriate to reduce the minimum germination requirements of Directives 66/402/EEC.
- (7) Considering the numerous changes required in Annexes II and III to Directive 66/401/ EEC, Annexes I, II and III to Directive 66/402/EEC, Annexes II and III to Directive 2002/55/EC and Annexes I, II and III to Directive 2002/57/EC as a result of these amendments, it is appropriate to replace those Annexes.
- (8) Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC should therefore be amended accordingly.
- (9) The measures provided for in this Directive are in accordance with the opinion of the Standing Committee on Seeds and Propagating Material for Agriculture, Horticulture and Forestry,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Amendments to Directive 66/401/EEC

Directive 66/401/EEC is amended as follows:

- 1. Article 2(1)(A) is amended as follows:
 - (a) Point (a) is amended as follows:
 - (i) in the title, the word '*Gramineae*', is replaced by the words '*Poaceae* (*Gramineae*)';
 - (ii) in the entry starting with '*Agrostis gigantea*', the words '*Agrostis gigantea*' are replaced by the words '*Agrostis gigantea* Roth';
 - (iii) in the entry starting with 'Arrhenatherum elatius', the words 'Arrhenatherum elatius (L.) P. Beauv. ex J. S et K.B Presl.' are replaced by the words 'Arrhenatherum elatius (L.) P. Beauv. ex J. Presl & C. Presl';
 - (iv) after the entry starting with '*Festuca arundinacea*', the following entry is inserted:

Festuca filiformis Pourr.- Fine leaved sheep's fescue;

- (v) in the entry starting with '*Festuca pratensis*', the words '*Festuca pratensis*', the words '*Festuca pratensis*', Hudson' are replaced by the words '*Festuca pratensis*', Huds.';
- (vi) after the entry starting with '*Festuca rubra*', the following entry is inserted:

Festuca trachyphylla (Hack.) Krajina — Hard fescue;

- (vii) in the entry starting with '*Phleum bertolonii*', the words '*Phleum bertolonii* DC Timothy' are replaced by the words '*Phleum nodosum* L. Small timothy';
- (viii) the entry starting with '*Festuca* spp. x *Lolium* spp.' is replaced by the following:

xFestulolium Asch. & Graebn. — Hybrids resulting from the crossing of a species of the genus *Festuca* with a species of the genus *Lolium*.

- (b) Point (b) is amended as follows:
 - (i) in the title, the word '*Leguminosae*', is replaced by the words '*Fabaceae* (*Leguminosae*)';
 - (ii) in the entry starting with 'Lupinus angustifolius' the words 'Lupinus angustifolius L. — Blue lupin' are replaced by the words 'Lupinus angustifolius L. — Narrow leaved lupin';

- (iii) in the entry starting with 'Medicago x varia' the words 'Medicago x varia T. Martyn Lucerne' are replaced by the words 'Medicago x varia T. Martyn Sand lucerne';
- 2. Annexes II and III to Directive 66/401/EEC are amended in accordance with part A of the Annex to this Directive.

Article 2

Amendments to Directive 66/402/EEC

Directive 66/402/EEC is amended as follows:

- 1. Article 2(1)(A) is amended as follows:
 - (a) the entry starting with '*Avena sativa*' is replaced by the following entries:

Avena nuda L. — Small naked oat, Hulless oat.

Avena sativa L. (includes A. byzantina K. Koch) — Oats and Red oat;

Avena strigosa Schreb. - Black oat, Bristle oat;

(b) the entry starting with 'x *Triticosecale*' is replaced by the following:

xTriticosecale Wittm. ex A. Camus — hybrids resulting from the crossing of a species of the genus *Triticum* and a species of the genus *Secale*;

- (c) in the entry starting with '*Triticum aestivum*', the words '*Triticum aestivum* L. emend. Fiori et Paol.' are replaced by the words '*Triticum aestivum* L.';
- (d) in the entry starting with 'Sorghum sudanense', the words 'Sorghum sudanense (Piper) Stapf.' are replaced by the words 'Sorghum sudanense (Piper) Stapf';
- (e) the entry for 'Sorghum bicolor (L) Moench × Sorghum sudanense (Piper) Stapf. — Hybrids resulting from the crossing of Sorghum and Sudan grass' is replaced by the following:

Sorghum bicolor (L.) Moench \times Sorghum sudanense (Piper) Stapf. — Hybrids resulting from the crossing of Sorghum bicolor and Sorghum sudanense.

2. Annexes I, II and III to Directive 66/402/EEC are amended in accordance with part B of the Annex to this Directive.

Article 3

Amendments to Directive 2002/55/EC

Annexes II and III to Directive 2002/55/EC are amended in accordance with part C of the Annex to this Directive.

Article 4

Amendments to Directive 2002/57/EC

Directive 2002/57/EC is amended as follows:

- 1. Article 2(1)(b) is amended as follows:
 - (a) In the entry starting with '*Brassica juncea*', the words '*Brassica juncea* (L.) and Czernj and Cosson' are replaced by the words '*Brassica juncea* (L.) Czern.'.
 - (b) In the entry starting with '*Brassica nigra*', the words '*Brassica nigra* (L.) Koch' are replaced by the words '*Brassica nigra* (L.) W.D.J. Koch'.
 - (c) The entry starting with '*Papaver somniferum*' is replaced by the following:

Papaver somniferum L. — Poppy.

2. Annexes I, II and III to Directive 2002/57/EC are amended in accordance with part D of the Annex to this Directive.

Article 5

Transposition

1 Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 30 June 2010 at the latest. They shall forthwith communicate to the Commission the text of those provisions and a correlation table between those provisions and this Directive.

When Member States adopt those provisions, they shall contain a reference to this Directive or be accompanied by such a reference on the occasion of their official publication. Member States shall determine how such reference is to be made.

2 Member States shall communicate to the Commission the texts of the main provisions of national law, which they adopt in the field covered by this Directive.

Article 6

Entry into force

This Directive shall enter into force on the seventh day following its publication in the *Official Journal of the European Union*.

Article 7

Addressees

This Directive is addressed to the Member States.

ANNEX

PART A

Annexes II and III to Directive 66/401/EEC are replaced by the following:

ANNEX II

CONDITIONS TO BE SATISFIED BY THE SEED

I.CERTIFIED SEED

1. The seed shall have sufficient varietal identity and purity.

In particular, the seeds of the species listed below shall conform to the following standards or other conditions. The minimum varietal purity shall be:

- *Poa pratensis*, varieties referred to in the second part of the third sentence of paragraph
 4 of Annex I, *Brassica napus* var. *napobrassica* and *Brassica oleracea* convar.
 acephala: 98 %,
- Pisum sativum, Vicia faba:
 - certified seed, 1st generation: 99 %,
 - certified seed, 2nd generation: 98 %,

The minimum varietal purity shall be examined mainly in field inspections carried out in accordance with the conditions laid down in Annex I.

- 2. The seed shall conform to the following standards or other conditions as regards germination, analytical purity and content of seeds of other plant species, including the presence of bitter seed in sweet varieties of *Lupinus* spp.:
- A. Table:

Speci	Sern	ninat	iøma	lytica	l pur	ity					Max	imur	n	Conditions
_					_						cont	ent o	f	as
											seed	s of		regards
											othe	r pla	nt	content
											spec	ies in	a	of
												ple of		seeds
												weigh		of
											-	ified		Lupinus
												mn 4		spp.
											-	nnex		of
											· ·	otal p	ber	another
											colu	<u> </u>		colour
			-	inM an										<i>ne</i> and
-	- 1			by oit dra								aspp.	spp.	of
	of	of		it y 64e						h Sim a				rbitter
		hard					nnyo	s app i	d as apl	ha nise	msia ri	lis		n lupin
S	eed)		(Weig	ght)	spec	cies								neseeds
		of											-	osella
		pure											and	
		seed)										Run	
													mar	itimus

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	ceae amine	ae)	1	1	1	1	<u>I</u>	1	1	1	1	<u>I</u>	<u>I</u>	
Agro canii	s7i5		90	2,0	1,0	0,3	0,3				0	0 (j) (k)	2 (n)	
Agro capil	s Tis ll (a čjs		90	2,0	1,0	0,3	0,3				0	0 (j) (k)	2 (n)	
Agro giga			90	2,0	1,0	0,3	0,3				0	0 (j) (k)	2 (n)	
Agro stolo	s Tis niglerc	r	90	2,0	1,0	0,3	0,3				0	0 (j) (k)	2 (n)	
Alop prate	eð0ru 31(s i)s	S	75	2,5	1,0 (f)	0,3	0,3				0	0 (j) (k)	5 (n)	
Arrh elati	eīhāth u(a)	erum	90	3,0	1,0 (f)	0,5	0,3				0 (g)	0 (j) (k)	5 (n)	
Bron catho	ni75 a(ti) cu	S	97	1,5	1,0	0,5	0,3				0 (g)	0 (j) (k)	10 (n)	
Bron sitch	ni75 e(B S)is		97	1,5	1,0	0,5	0,3				0 (g)	0 (j) (k)	10 (n)	
Cyno dacty			90	2,0	1,0	0,3	0,3				0	0 (j) (k)	2	
Dact glom	ty 80 1e(rai)t <i>a</i>		90	1,5	1,0	0,3	0,3				0	0 (j) (k)	5 (n)	
Festa arun	u80 d(in)ac	ea	95	1,5	1,0	0,5	0,3				0	0 (j) (k)	5 (n)	
Festi filifo			85	2,0	1,0	0,5	0,3				0	0 (j) (k)	5 (n)	
Festa ovind			85	2,0	1,0	0,5	0,3				0	0 (j) (k)	5 (n)	
Festa prate			95	1,5	1,0	0,5	0,3				0	0 (j) (k)	5 (n)	

Festนฮิอ rubra(a)		90	1,5	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
Festuðð trach ypl y	vlla	85	2,0	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
×Festido (a)	lium	96	1,5	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
Lolium5 multif (a) r	um	96	1,5	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
Lolium80 peren(me)		96	1,5	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
Lolium5 × (a) bouchear	ит	96	1,5	1,0	0,5	0,3	0	0 (j) (k)	5 (n)	
Phala 75 s aquat (a)		96	1,5	1,0	0,3	0,3	0	0 (j) (k)	5	
Phleu80 nodos(un)		96	1,5	1,0	0,3	0,3	0	0 (k)	5	
Phleu80 praten(se		96	1,5	1,0	0,3	0,3	0	0 (k)	5	
Poa 75 annud(a)		85	2,0 (c)	1,0 (c)	0,3	0,3	0	0 (j) (k)	5 (n)	
Poa 75 nemo (a) i	5	85	2,0 (c)	1,0 (c)	0,3	0,3	0	0 (j) (k)	2 (n)	
Poa 75 palustrais		85	2,0 (c)	1,0 (c)	0,3	0,3	0	0 (j) (k)	2 (n)	
Poa 75 prate n(si)s		85	2,0 (c)	1,0 (c)	0,3	0,3	0	0 (j) (k)	2 (n)	
Poa 75 trivia l ias)		85	2,0 (c)	1,0 (c)	0,3	0,3	0	0 (j) (k)	2 (n)	
Triset ūt n flaves(æ)n	s	75	3,0	1,0 (f)	0,3	0,3	0 (h)	0 (j) (k)	2 (n)	

Fabaceae

(Leguminosae)

Gale g60 orientalis	40	97	2,0	1,5	0,3	0	0 (1) (m)	10 (n)	
Hedyst b run coron (a) (b)		95	2,5	1,0	0,3	0	0 (k)	5	
Lotus 75 corni (a) at (b)	40 us	95	1,8 (d)	1,0 (d)	0,3	0	0 (l) (m)	10	
Lupin &0 albus(a) (b)	20	98	0,5 (e)	0,3 (e)	0,3	0 (i)	0 (j)	5 (n)	(o) (p)
Lupin īlīš angus (tāf pl (b)	20 ius	98	0,5 (e)	0,3 (e)	0,3	0 (i)	0 (j)	5 (n)	(o) (p)
Lupin&0 luteus(a) (b)	20	98	0,5 (e)	0,3 (e)	0,3	0 (i)	0 (j)	5 (n)	(o) (p)
Mediastgo lupuli(a) (b)	20	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Mediastgo sativa(a) (b)	40	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Mediaago × (a) varia (b)	40	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Onobítýsch viciifo(lai) (b)	is20	95	2,5	1,0	0,3	0	0 (j)	5	
Pisum80 sativu(a)		98	0,5	0,3	0,3	0	0 (j)	5 (n)	
Trifol ßû n alexa ha rin (b)	20 1um	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Trifol 80 m hybri da)m (b)	20	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Trifoli îli m incar na jun (b)	20 n	97	1,5	1,0	0,3	0	0 (1) (m)	10	
Trifol tsu n prater(sa) (b)	20	97	1,5	1,0	0,3	0	0 (1) (m)	10	

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Trifol &0 n repenta) (b)	40	97	1,5	1,0	0,3			0	0 (1) (m)	10
Trifol tsim resup ino tu (b)	20 m	97	1,5	1,0	0,3			0	0 (l) (m)	10
Trigo t&l la foenu (n) graecum		95	1,0	0,5	0,3			0	0 (j)	5
Vicia 80 faba (a) (b)	5	98	0,5	0,3	0,3			0	0 (j)	5 (n)
Vicia 85 panno(nai)ca (b)	20	98	1,0 (e)	0,5 (e)	0,3			0 (i)	0 (j)	5 (n)
Vicia 85 sativa(a) (b)	20	98	1,0 (e)	0,5 (e)	0,3			0 (i)	0 (j)	5 (n)
Vicia 85 villosta) (b)	20	98	1,0 (e)	0,5 (e)	0,3			0 (i)	0 (j)	5 (n)
Other species		1							<u> </u>	
Brass& napus(a) var. napobrass	ica	98	1,0	0,5		0,3	0,3	0	0 (j) (k)	5
Brassīkā oleradad convar. acephala (acephala var. medullosa + var. viridis)		98	1,0	0,5		0,3	0,3	0	0 (j) (k)	10
PhaceSta tanac (eni)foi	ia	96	1,0	0,5				0	0 (j) (k)	
Raphæus sativu(sa) var. oleiformis		97	1,0	0,5		0,3	0,3	0	0 (j)	5

B. Other standards or conditions applicable where reference is made to them in the table under Section I (2) (A) of this Annex:

- (a) all fresh and healthy seeds which do not germinate after pre-treatment shall be regarded as seeds which have germinated;
- (b) up to the maximum quantity indicated, hard seed present shall be regarded as seed capable of germination;
- (c) a maximum total of 0,8 % by weight of seeds of other *Poa* species shall not be regarded as an impurity;
- (d) a maximum of 1 % by weight of seeds of *Trifolium pratense* shall not be regarded as an impurity;
- (e) a maximum total of 0,5 % by weight of seeds of *Lupinus albus*, *Lupinus angustifolius*, *Lupinus luteus*, *Pisum sativum*, *Vicia faba*, *Vicia pannonica*, *Vicia sativa*, *Vicia villosa* in another relevant species shall not be regarded as an impurity;
- (f) the prescribed maximum percentage by weight of seeds of a single species shall not apply to seeds of *Poa* spp;
- (g) a maximum total of two seeds of *Avena fatua*, and *Avena sterilis* in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of the same weight is free from any seeds of these species;
- (h) the presence of one seed of *Avena fatua*, and *Avena sterilis* in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of twice the prescribed weight is free from any seeds of these species;
- (i) the determination of seeds of *Avena fatua*, and *Avena sterilis* by number need not be carried out unless there is doubt whether the conditions laid down in column 12 have been satisfied;
- (j) the determination of seeds of *Cuscuta* spp. by number need not be carried out unless there is doubt whether the conditions laid down in column 13 have been satisfied;
- (k) the presence of one seed of *Cuscuta* spp. in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of the same weight is free from any seeds of *Cuscuta* spp;
- (l) the weight of the sample for the determination of seeds of *Cuscuta* spp. by number shall be twice the weight specified in column 4 of Annex III for the relevant species;
- (m) the presence of one seed of *Cuscuta* spp. in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of twice the prescribed weight is free from any seeds of *Cuscuta* spp;
- (n) the determination of seeds of *Rumex* spp. other than *Rumex acetosella* and *Rumex maritimus* by number need not be carried out unless there is doubt whether the conditions laid down in column 14 have been satisfied;
- (o) the percentage by number of seeds of *Lupinus* spp. of another colour shall not exceed:

12

bitter lupin,	
—	1 %
in	
Lupinus	
spp.	
other	
than	
bitter	
lupin,	

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- (p) the percentage by number of bitter seeds in varieties of *Lupinus* spp. shall not exceed 2,5 %.
- 3. Harmful organisms which reduce the usefulness of the seed shall be at the lowest possible level.

II. BASIC SEED

Subject to the provisions below, the conditions laid down in Section I of this Annex shall apply to basic seed:

1. The seed of *Pisum sativum, Brassica napus* var. *napobrassica, Brassica oleracea* convar. *acephala, Vicia faba* and of varieties of *Poa pratensis* referred to in the second part of the third sentence of paragraph 4 of Annex I shall conform to the following standards or other conditions: the minimum varietal purity shall be 99,7 %.

The minimum varietal purity shall be examined mainly in field inspections carried out in accordance with the conditions laid down in Annex I.

- 2. The seed shall satisfy the following other standards or conditions:
 - A. Table:

Species		• Conten weight	ent of seed t by num specified l per colu	ber in a s in colum	sample of	f the	Other standards or condition
		A single species	Rumex spp. other than Rumex acetosed and Rumex maritim	repens Ila	a Alopect myosur		us
1	2	3	4	5	6	7	8
Poaceae (Gramin	•	1	1	1	1	1	
Agrostis canina	0,3	20	1	1	1		(j)

Agrostis 0,3 capillaris	20	1	1	1	(j)
Agrostis 0,3 gigantea	20	1	1	1	(j)
Agrostis 0,3 stolonifera	20	1	1	1	(j)
Alopecur ₁₀₅ 3 pratensis	20 (a)	2	5	5	(j)
Arrhenat ReBum elatius	20 (a)	2	5	5	(i) (j)
Bromus 0,4 catharticus	20	5	5	5	(j)
Bromus 0,4 sitchensis	20	5	5	5	(j)
Cynodon 0,3 dactylon	20 (a)	1	1	1	(j)
Dactylis 0,3 glomerata	20 (a)	2	5	5	(j)
Festuca 0,3 arundinacea	20 (a)	2	5	5	(j)
Festuca 0,3 filiformis	20 (a)	2	5	5	(j)
<i>Festuca</i> 0,3 <i>ovina</i>	20 (a)	2	5	5	(j)
Festuca 0,3 pratensis	20 (a)	2	5	5	(j)
<i>Festuca</i> 0,3 <i>rubra</i>	20 (a)	2	5	5	(j)
Festuca 0,3 trachyphylla	20 (a)	2	5	5	(j)
×Festulo Dy3m	20 (a)	2	5	5	(j)
Lolium 0,3 multiflorum	20 (a)	2	5	5	(j)
<i>Lolium</i> 0,3 <i>perenne</i>	20 (a)	2	5	5	(j)
Lolium 0,3 × boucheanum	20 (a)	2	5	5	(j)
Phalaris 0,3 aquatica	20	2	5	5	(j)

Phleum 0,3 nodosum	20	2	1	1		(j)
Phleum 0,3 pratense	20	2	1	1		(j)
Poa 0,3 annua	20 (b)	1	1	1		(f) (j)
Poa 0,3 nemoralis	20 (b)	1	1	1		(f) (j)
Poa 0,3 palustris	20 (b)	1	1	1		(f) (j)
Poa 0,3 pratensis	20 (b)	1	1	1		(f) (j)
Poa 0,3 trivialis	20 (b)	1	1	1		(f) (j)
Trisetum 0,3 flavescens	20 (c)	1	1	1		(i) (j)
Fabaceae (Leguminosae)	l	1			I	
Galega 0,3 orientalis	20	2			0 (e)	(j)
Hedysar um 3 coronarium	20	2			0 (e)	(j)
Lotus 0,3 corniculatus	20	3			0 (e)	(g) (j)
Lupinus 0,3 albus	20	2			0 (d)	(h) (k)
Lupinus 0,3 angustifolius	20	2			0 (d)	(h) (k)
Lupinus 0,3 luteus	20	2			0 (d)	(h) (k)
Medicag0,3 lupulina	20	5			0 (e)	(j)
Medicag@,3 sativa	20	3			0 (e)	(j)
Medicag ₀ 0,3 × varia	20	3			0 (e)	(j)
Onobryc hi ş3 viciifolia	20	2			0 (d)	
Pisum 0,3 sativum	20	2			0 (d)	
Trifolium0,3 alexandrinum	20	3			0 (e)	(j)

Trifoliun hybridun		20	3		0 (e)	(j)
Trifoliun incarnat		20	3		0 (e)	(j)
Trifoliun pratense		20	5		0 (e)	(j)
Trifoliun repens	20,3	20	5		0 (e)	(j)
Trifoliun resupina		20	3		0 (e)	(j)
Trigonel foenum- graecum		20	2		0 (d)	
Vicia faba	0,3	20	2		0 (d)	
Vicia pannonio	0,3 ca	20	2		0 (d)	(h)
Vicia sativa	0,3	20	2		0 (d)	(h)
Vicia villosa	0,3	20	2		0 (d)	(h)
Other species						
Brassica napus var. napobra.		20	2			(j)
Brassica oleracea convar. acephala (acephala var. medullos + var. viridis)	i a	20	3			(j)
Phacelia tanacetif		20				
Raphanu sativus var. oleiform		20	2			

B. Other standards or conditions applicable where reference is made to them in the table under Section II (2) (A) of this Annex:

- (a) a maximum total of 80 seeds of *Poa* spp. shall not be regarded as an impurity;
- (b) the condition laid down in column 3 is not applicable to the seeds of *Poa* spp. The maximum total content of seeds of *Poa* spp other than the species to be examined shall not exceed one in a sample of 500 seeds;
- (c) a maximum total of 20 seeds of *Poa* spp. shall not be regarded as an impurity;
- (d) the determination of seeds of *Melilotus* spp. by number need not be carried out unless there is doubt whether the conditions laid down in column 7 have been satisfied;
- (e) the presence of one seed of *Melilotus* spp. in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of twice the prescribed weight is free from any seeds of *Melilotus* spp;
- (f) the condition (c) laid down in Section I (2) of this Annex is not applicable;
- (g) the condition (d) laid down in Section I (2) of this Annex is not applicable;
- (h) the condition (e) laid down in Section I (2) of this Annex is not applicable;
- (i) the condition (f) laid down in Section I (2) of this Annex is not applicable;
- (j) the conditions (k) and (m) laid down in Section I (2) of this Annex are not applicable;
- (k) the percentage by number of bitter seeds in varieties of *Lupinus* spp. shall not exceed 1 %.

III. COMMERCIAL SEED

Subject to the provisions below, the conditions laid down in Section I (2) and (3) of this Annex shall apply to commercial seed:

- 1. The percentages by weight laid down in columns 5 and 6 of the table under Section I (2) (A) of this Annex are increased by 1 %.
- 2. In *Poa annua* a maximum total of 10 % by weight of seeds of other *Poa* species shall not be regarded as an impurity.
- 3. In *Poa* spp. other than *Poa annua* a maximum total of 3 % by weight of seeds of other *Poa* species shall not be regarded as an impurity.
- 4. In *Hedysarum coronarium* a maximum total of 1 % by weight of seeds of *Melilotus* spp. shall not be regarded as an impurity.
- 5. The condition (d) laid down in Section I (2) of this Annex is not applicable to *Lotus corniculatus*.

- 6. In *Lupinus* spp.:
 - (a) the minimum analytical purity shall be 97 % by weight;
 - (b) the percentage by number of seeds of *Lupinus* spp. of another colour shall not exceed:

	4 %
in	
bitter	
lupin	
_	2 %
in	
Lupinus	
spp.	
other	
than	
bitter	
lupin	

- 7. In *Vicia* spp. a maximum total of 6 % by weight of seeds of *Vicia pannonica, Vicia villosa* or related cultivated species in another relevant species shall not be regarded as an impurity.
- 8. In *Vicia pannonica, Vicia sativa, Vicia villosa* the minimum analytical purity shall be 97 % by the weight.

ANNEX III

LOT AND SAMPLE WEIGHTS

Species	Maximum weight of a lot(tonnes)	Minimum weight of a sample to be drawn from a lot(grams)	Weight of the sample for the determinations by number provided for in columns 12 to 14 of Annex II (I) (2) (A) and columns 3 to 7 of Annex II (II) (2) (A)(grams)4	
1	2	3		
Poaceae (Gramineae)				
Agrostis canina	10	50	5	
Agrostis capillaris	10	50	5	
Agrostis gigantea 10		50	5	
Agrostis stolonifera	10	50	5	
Alopecurus pratensis	10	100 30		

	1	1		
Arrhenatherum elatius	10	200	80	
Bromus catharticus	10	200	200	
Bromus sitchensis	10	200	200	
Cynodon dactylon	10	50	5	
Dactylis glomerata	10	100	30	
Festuca arundinacea	10	100	50	
Festuca filiformis	10	100	30	
Festuca ovina	10	100	30	
Festuca pratensis	10	100	50	
Festuca rubra	10	100	30	
Festuca trachyphylla	10	100	30	
×Festulolium	10	200	60	
Lolium multiflorum	10	200	60	
Lolium perenne	10	200	60	
Lolium × boucheanum	10	200	60	
Phalaris aquatica	10	100	50	
Phleum nodosum	10	50	10	
Phleum pratense	10	50	10	
Poa annua	10	50	10	
Poa nemoralis	10	50	5	
Poa palustris	10	50	5	
Poa pratensis	10	50	5	
Poa trivialis	10	50	5	
Trisetum flavescens	10	50	5	
Fabaceae (Leguminosae)	1			
Galega orientalis	10	250	200	
Hedysarum coronarium				
— fruit	10	1 000	300	
— seed	10	400	120	
Lotus corniculatus	10	200	30	
Lupinus albus	30	1 000	1 000	

Lupinus angustifolius	30	1 000	1 000
Lupinus luteus	30	1 000	1 000
Medicago lupulina	10	300	50
Medicago sativa	10	300	50
Medicago × varia	10	300	50
Onobrychis viciifolia:			
— fruit	10	600	600
— seed	10	400	400
Pisum sativum	30	1 000	1 000
Trifolium alexandrinum	10	400	60
Trifolium hybridum	10	200	20
Trifolium incarnatum	10	500	80
Trifolium pratense	10	300	50
Trifolium repens	10	200	20
Trifolium resupinatum	10	200	20
Trigonella foenum- graecum	10	500	450
Vicia faba	30	1 000	1 000
Vicia pannonica	30	1 000	1 000
Vicia sativa	30	1 000	1 000
Vicia villosa	30	1 000	1 000
Other species	1		
Brassica napus var. napobrassica	10	200	100
Brassica oleracea convar. acephala	10	200	100
Phacelia tanacetifolia	10	300	40
Raphanus sativus var. oleiformis	10	300	300

The maximum lot weight shall not be exceeded by more than 5 %..

PART B

Annexes I, II and III to Directive 66/402/EEC are replaced by the following:

ANNEX I

CONDITIONS TO BE SATISFIED BY THE CROP

- 1. The previous cropping of the field shall not have been incompatible with the production of seeds of the species and variety of the crop, and the field shall be sufficiently free from such plants which are volunteers from previous cropping.
- 2. The crop shall conform to the following standards as regards distances from neighbouring sources of pollen which may result in undesirable foreign pollination and in particular, in the case of *Sorghum* spp., from sources of *Sorghum halepense*:

Сгор	Minimum distance
<i>Phalaris canariensis, Secale cereale</i> other than hybrids:	
— for the production of basic seed,	300 m
— for the production of certified seed,	250 m
Sorghum spp.	300 m
xTriticosecale, self-pollinating varieties	
— for the production of basic seed,	50 m
— for the production of certified seed,	20 m
Zea mays	200 m

These distances can be disregarded if there is sufficient protection from any undesirable foreign pollination.

3. The crop shall have sufficient varietal identity and varietal purity or, in the case of a crop of an inbred line, sufficient identity and purity as regards its characteristics. For the production of seed of hybrid varieties, the abovementioned provisions shall also apply to the characteristics of the components, including male sterility or fertility restoration

In particular, crops of *Oryza sativa, Phalaris canariensis, Secale cereale* other than hybrids, *Sorghum* spp. and *Zea mays* shall conform to the following other standards or conditions:

A. *Oryza sativa*:

The number of plants which are recognisable as obviously being wild plants or redgrain plants shall not exceed:

- 0 for the production of basic seed,
- 1 per 50 m2 for the production of certified seed,

B. *Phalaris canariensis, Secale cereale*other than hybrids:

The number of plant of the crop species, which are recognisable as obviously not being true to the variety shall not exceed:

- one per 30 m2 for the production of basic seed,
- one per 10 m2 for the production of certified seed,

C. Sorghum spp.

- (a) The percentage by number of plants of a *Sorghum* species other than the crop species or plants which are recognisable as obviously not being true to the inbred line or to the component shall not exceed:
 - (aa) for the production of basic seed
 - (i) at flowering: 0,1 %;
 - (ii) at maturity: 0,1%;
 - (bb) for the production of certified seed
 - (i) plants of the male component which have shed pollen when the plants of the female component have receptive stigmas: 0,1 %;
 - (ii) plants of the female component
 - at flowering: 0,3 %;
 - at maturity: 0,1 %;
- (b) The following other standards or conditions shall be satisfied for the production of certified seed of hybrid varieties:
 - (aa) sufficient pollen shall be shed by the plants of the male component while the plants of the female component have receptive stigmas;
 - (bb) where plants of the female component have receptive stigmas, the percentage of plants of that component which have shed pollen or are shedding pollen shall not exceed 0,1 %;
- (c) Crops of open pollinated varieties or synthetic varieties of *Sorghum* spp. shall conform to the following standards: the number of plants of the crop species, which are recognisable as obviously not being true to the variety shall not exceed:
 - one per 30 m^2 for the production of basic seed,
 - one per 10 m^2 for the production of certified seed,

D. Zea mays:

- (a) The percentage by number of plants which are recognisable as obviously not being true to the variety, to the inbred line, or to the component shall not exceed:
 - (aa) for the production of basic seed:
 - (i) inbred lines, 0,1 %;
 - (ii) simple hybrid, each component, 0,1 %;
 - (iii) open-pollinated varieties, 0,5 %;
 - (bb) for the production of certified seed:
 - (i) hybrid varieties component:

— inbred lines, 0,2 %;

— simple hybrid, 0,2 %;

- open-pollinated variety, 1,0 %;
- (ii) open-pollinated varieties, 1,0 %;
- (b) The following other standards or conditions shall be satisfied for the production of seed of hybrid varieties:
 - (aa) a sufficient pollen shall be shed by the plants of the male component while the plants of the female component are in flower;
 - (bb) where appropriate, emasculation shall be carried out;
 - (cc) where 5 % or more of the female component plants have receptive stigmas, the percentage of female component which have shed pollen or are shedding pollen shall not exceed:
 - 1 % at any official field inspection, and,
 - 2 % at the total of the official field inspections,

Plants are considered as having shed pollen or shedding pollen where, on 50 mm or more of the central axis or laterals of a panicle, the anthers have emerged from their glumes and have shed or are shedding pollen.

- 4. Hybrids of *Secale cereale*
- (a) The crop shall conform to the following standards as regards distances from neighbouring sources of pollen which may result in undesirable foreign pollination.

Crop		Minimum distance
	for the production of basic seed,	
_	where male sterility is used,	1 000 m
	where male sterility is not used,	600 m
	for the production of certified seed,	500 m

(b) The crop shall have sufficient identity and purity as regards the characteristics of the components, including male sterility.

In particular, the crop shall conform to the following other standards or conditions:

- (i) the number of plants of the crop species, which are recognisable as obviously not being true to the component shall not exceed,
 - one per 30 m^2 for the production of basic seed,
 - one per 10 m^2 for the production of certified seed, this standard to apply in official field inspections to the female component only;
- (ii) in the case of basic seed, where male sterility is used, the level of sterility of the malesterile component shall be at least 98 %.
- (c) Where appropriate, certified seed shall be produced in mixed cultivation of a female male-sterile component with a male component which restores male fertility.

- 5. Crops to produce certified seed of hybrids of *Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Oryza sativa, Triticum aestivum, Triticum durum, Triticum spelta* and self-pollinating *xTriticosecale*
- (a) The crop shall conform to the following standards as regards distances from neighbouring sources of pollen which may result in undesirable foreign pollination:
- the minimum distance of the female component shall be 25 m from any other variety of the same species except from a crop of the male component,
- this distance can be disregarded if there is sufficient protection from any undesirable foreign pollination;
- (b) The crop shall have sufficient identity and purity as regards the characteristics of the components.

Where seed is produced by use of a chemical hybridisation agent, the crop shall conform to the following other standards or conditions:

- (i) the minimum varietal purity of each component shall be:
 - Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Oryza sativa, Triticum aestivum, Triticum durum and Triticum spelta: 99,7 %,
 self-pollinating xTriticosecale: 99,0 %;
- (ii) the minimum hybridity must be 95 %. The percentage hybridity shall be assessed in accordance with current international methods, in so far as such methods exist. In cases where the hybridity is determined during seed testing prior to certification, the determination of the hybridity during field inspection need not be done.
- 6. Harmful organisms which reduce the usefulness of the seed, in particular *Ustilaginaceae*, shall be at the lowest possible level.
- 7. The satisfaction of the abovementioned other standards or conditions shall, in the case of basic seed, be examined in official field inspections and, in the case of certified seed, be examined either in official field inspections or in inspections carried out under official supervision.

These field inspections shall be carried out in accordance with the following conditions:

- A. The condition and the stage of development of the crop shall permit an adequate examination.
- B. The number of field inspections shall be at least:
 - (a) for Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Oryza sativa, Phalaris canariensis, xTriticosecale, Triticum aestivum, Triticum durum, Triticum spelta, Secale cereale: one;
 - (b) for *Sorghum* spp. and *Zea mays* during the flowering season:
 - (aa) open-pollinated varieties: one,
 - (bb) inbred lines or hybrids: three.

When the crop follows a *Sorghum* spp. and *Zea mays* crop in either the preceding year or current year, at least one special field inspection shall be made to check the satisfaction of the provisions laid down in point 1 of this Annex.

C. The size, the number and the distribution of the portions of the field to be inspected in order to examine the satisfaction of the provisions of this Annex shall be determined in accordance with appropriate methods.

ANNEX II

CONDITIONS TO BE SATISFIED BY THE SEED

1. The seed shall have sufficient varietal identity and varietal purity or, in the case of seed of an inbred line, sufficient identity and purity as regards its characteristics. For the seed of hybrid varieties, the abovementioned provisions shall also apply to the characteristics of the components.

In particular, the seed of the species listed below shall conform to the following other standards or conditions:

A. Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Oryza sativa, Triticum aestivum, Triticum durum, Triticum spelta other than hybrids in each case:

Category	Minimum varietal purity(%)
Basic seed	99,9
Certified seed, 1st generation	99,7
Certified seed, 2nd generation	99,0

The minimum varietal purity shall be examined mainly in field inspections carried out in accordance with the conditions laid down in Annex I.

B. Self-pollinating varieties of *xTriticosecale* other than hybrids

Category	Minimum varietal purity(%)
Basic seed	99,7
Certified seed, 1st generation	99,0
Certified seed, 2nd generation	98,0

The minimum varietal purity shall be examined mainly in field inspections carried out in accordance with the conditions laid down in Annex I.

C. Hybrids of Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Oryza sativa, Triticum aestivum, Triticum durum, Triticum spelta, and self-pollinating xTriticosecale.

The minimum varietal purity of the seed of the category certified seed shall be 90 %. It shall be examined in official post control tests on an appropriate proportion of samples.

D. Sorghum spp. and Zea mays:

Where for the production of certified seed of hybrid varieties a female male-sterile component and a male component which does not restore male fertility have been used, the seed shall be produced:

- either by blending seed lots in a proportion appropriate to the variety where, on the one hand, a female male-sterile component has been used and, on the other, a female male-fertile component has been used,
- or by growing the female male-sterile component and the female male-fertile component in a proportion appropriate to the variety. The proportion of these components shall be examined in field inspections carried out in accordance with the conditions laid down in Annex I.

E. Hybrids of Secale cereale

Seed shall not be certified as certified seed unless due account has been taken of the results of an official post-control test, on samples of basic seed taken officially and carried out during the growing season of the seed entered for certification as certified seed to ascertain whether the basic seed met the requirements for basic seed laid down in this Directive in respect of identity and purity as regards the characteristics of the components, including male sterility.

- 2. The seed shall conform to the following other standards or conditions as regards germination, analytical purity and content of seeds of other plants species::
- A. Table:

			uMaxim						
and catego			ic pl ant s (%ample III(tota		weight sj				
	seed)) Other plant species (a)	Red seeds of Oryza sativa	Other cereal species	other than cereals		raphai Agrost , githago 1	
1	2	3	4	5	6	7	8	9	10
Avena sativa, Avena strigosa Hordeu vulgare, Triticun aestivun Triticun durum, Triticun spelta:	m 1 n, 1 1								
	85 basic seed,	99	4		1 (b)	3	0 (c)	1	
	85 (d) certifie seed, 1st and	98 :d	10		7	7	0 (c)	3	

	2nd genera	tion,							
Avena nuda:									
	75 basic seed,	99	4		1 (b)	3	0 (c)	1	
_	75 (d) certifie seed, 1st and 2nd genera		10		7	7	0 (c)	3	
Oryza sativa:									
_	80 basic seed,	98	4	1					1
_	80 certifie seed, 1st genera		10	3					3
_	80 certifie seed, 2nd genera		15	5					3
Secale cereale:									
_	85 basic seed,	98	4		1 (b)	3	0 (c)	1	
	85 certifie seed,	98 d	10		7	7	0 (c)	3	
Phalari canarie									
_	75 basic seed,	98	4		1 (b)		0 (c)		
_	75 certifie seed,	98 ad	10		5		0 (c)		
Sorghur spp.	n80	98	0						

xTritice	osecale:							
_	80 basic seed,	98	4	1 (b)	3	0 (c)	1	
	80 certific seed, 1st and 2nd genera		10	7	7	0 (c)	3	
Zea mays	90	98	0					

- B. Other standards or conditions applicable where reference is made to them in the table under Section 2 (A) of this Annex:
 - (a) the maximum contents of seeds laid down in column 4 include also the seeds of the species in columns 5 to 10;
 - (b) a second seed shall not be regarded as an impurity if a second sample of same weight is free from any seeds of other cereals species;
 - (c) the presence of one seed of *Avena fatua, Avena sterilis* or *Lolium temulentum* in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of the same weight is free from any seeds of these species;
 - (d) in the case of varieties of *Hordeum vulgare* (naked barley) the required minimum germination capacity is reduced to 75 % of pure seed. The official label shall include the words 'Minimum germination capacity 75 %'.
- 3. Harmful organisms which reduce the usefulness of the seed shall be at the lowest possible level.

In particular, the seed shall conform to the following standards in respect of *Claviceps purpurea* (maximum number of sclerotia or fragments of sclerotia in a sample of the weight specified in column 3 of Annex III).

Category	Claviceps purpurea
Cereals other than hybrids of <i>Secale cereale</i> :	
— basic seed,	1
— certified seed,	3
Hybrids of Secale cereale:	
— basic seed,	1
a The presence of five sclerotia or fragments of sclerotia in conformity with the standards, where a second sample of	a sample of the prescribed weight shall be deemed to be in the same weight contains not more than four sclerotia or

fragments of sclerotia.

 certified seed,	4 ^a

a The presence of five sclerotia or fragments of sclerotia in a sample of the prescribed weight shall be deemed to be in conformity with the standards, where a second sample of the same weight contains not more than four sclerotia or fragments of sclerotia.

ANNEX III

LOT AND SAMPLE WEIGHTS

Species	Maximum weight of a lot(tonnes)	Minimum weight of a sample to be drawn from a lot(grams)	Weight of the sample for determinations by number provided for in columns 4 to 10 of Annex II (2) (A) and Annex II (3)(grams)
1	2	3	4
Avena nuda, Avena sativa, Avena strigosa, Hordeum vulgare, Triticum aestivum, Triticum durum, Triticum spelta, Secale cereale, xTriticosecale	30	1 000	500
Phalaris canariensis	10	400	200
Oryza sativa	30	500	500
Sorghum bicolor, Sorghum bicolor x Sorghum sudanense	30	1 000	900
Sorghum sudanense	10	1 000	900
Zea mays, basic seed of inbred lines	40	250	250
Zea mays, basic seed other than of inbred lines; certified seed	40	1 000	1 000

The maximum lot weight shall not be exceeded by more than 5 %..

PART C

Annexes II and III to Directive 2002/55/EC are amended as follows:

- (1) In point 3 of Annex II, the following point is added:
 - (c) Other standards or conditions applicable where reference is made to them in the table under point (a):

In the case of varieties of *Zea mays* (Sweet corn – super-sweet types) the required minimum germination capacity is reduced to 80 % of pure seed. The official label or the supplier's label, where appropriate, shall include the words "Minimum germination capacity 80 %".

- (2) In point 1 of Annex III, points (a) and (b) are replaced by the following:
 - (a) seeds of *Phaseolus coccineus*, *Phaseolus vulgaris*, *Pisum sativum* and *Vicia faba* 30 tonnes;
 - (b) seeds of a size not less than a grain of wheat, other than *Phaseolus coccineus*, *Phaseolus vulgaris, Pisum sativum* and *Vicia faba* 20 tonnes.

PART D

Annexes I, II and III to Directive 2002/57/EC are replaced by the following:

ANNEX I

CONDITIONS TO BE SATISFIED BY THE CROP

1. The previous cropping of the field shall not have been incompatible with the production of seed of the species and variety of the crop, and the field shall be sufficiently free from such plants which are volunteers from previous cropping.

In the case of hybrids of *Brassica napus*, the crop shall be raised in a production ground where five years have elapsed since plants of *Brassicaceae* (*Cruciferae*) were last grown.

2. The crop shall conform to the following standards as regards distances from neighbouring sources of pollen which may result in undesirable foreign pollination:

Crop		Minimum distance
Cannabi Cannabi	<i>ica</i> spp. other than <i>Brassica napus,</i> <i>s sativa</i> other than monoecious <i>s sativa, Carthamus tinctorius,</i> <i>arvi, Sinapis alba</i> :]	
_	for the production of basic seed,	400 m
	for the production of certified seed,	200 m
Brassica	napus:	
	for the production of basic seed of varieties other than hybrids,	200 m
_	for the production of basic seed of hybrids,	500 m

IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

100 m for the production of certified seed of varieties other than hybrids, 300 m for the production of certified seed of hybrids, Cannabis sativa, monoecious Cannabis sativa: 5 000 m for the production of basic seed, 1 000 m for the production of certified seed, Helianthus annuus: 1 500 m for the production of basic seed of hybrids, 750 m for the production of basic seed of varieties other than hybrids, 500 m for the production of certified seed, Gossypium hirsutum and/or Gossypium barbadense: 100 m [^{X1} for the production of basic seed of Gossypium hirsutum,] 200 m [^{X1} for the production of basic seed of Gossypium barbadense.] 30 m for the production of certified seed of non-hybrid varieties and intraspecific hybrids of Gossypium hirsutum produced without Cytoplasmic Male Sterility (CMS), 800 m for the production of certified seed of intraspecific hybrids of Gossypium hirsutum produced with CMS, 150 m for the production of certified seed of non-hybrid varieties and intraspecific hybrids of Gossypium barbadense produced without CMS, 800 m for the production of certified seed of intraspecific hybrids of

	Gossypium barbadense produced with CMS,	
_	for the production of basic seed of fixed interspecific hybrids of <i>Gossypium hirsutum</i> and <i>Gossypium barbadense</i> ,	200 m
_	for the production of certified seed of fixed interspecific hybrids of <i>Gossypium hirsutum</i> and <i>Gossypium barbadense</i> and hybrids produced without CMS,	150 m
_	for the production of certified seed of hybrids of <i>Gossypium hirsutum</i> and <i>Gossypium barbadense</i> produced with CMS,	800 m

These distances can be disregarded if there is sufficient protection from any undesirable foreign pollination.

3. The crop shall have sufficient varietal identity and varietal purity or, in the case of a crop of an inbred line, sufficient identity and purity as regards its characteristics.

For the production of seed of hybrid varieties, the abovementioned provisions shall also apply to the characteristics of the components, including male sterility or restoration of fertility.

In particular, crops of *Brassica juncea, Brassica nigra, Cannabis sativa, Carthamus tinctorius, Carum carvi, Gossypium* spp. and hybrids of *Helianthus annuus* and *Brassica napus* shall conform to the following other standards or conditions:

A. Brassica juncea, Brassica nigra, Cannabis sativa, Carthamus tinctorius, Carum carvi and Gossypium spp. other than hybrids:

the number of plants of the crop species which are recognisable as obviously not being true to the variety shall not exceed:

- one per 30 m^2 for the production of basic seed,
- one per 10 m^2 for the production of certified seed,
- B. Hybrids of *Helianthus annuus*:
 - (a) the percentage by number of plants which are recognisable as obviously not being true to the inbred line or to the component shall not exceed:

(aa)	for the production of basic seed:	
(i)	inbred lines	0,2 %
(ii)	simple hybrids:	

_	male parent, plants which have shed pollen while 2 % or more of the female plants have receptive flowers,	0,2 %
	female parent,	0,5 %
(bb)	for the production of certified seed:	
_	male component, plants which have shed pollen while 5 % or more of the female plants have receptive flowers,	0,5 %
_	female component,	1,0 %

(b) The following other standards or conditions shall be satisfied for the production of seed of hybrid varieties:

- (aa) sufficient pollen shall be shed by the plants of the male component while the plants of the female component are in flower;
- (bb) where the female component plants have receptive stigmas, the percentage by number of female component plants which have shed pollen or are shedding pollen shall not exceed 0,5 %;
- (cc) for the production of basic seed the total percentage by number of plants of the female component which are recognisable as obviously not being true to the component and which have shed pollen or are shedding pollen shall not exceed 0,5 %;
- (dd) where the condition laid down in Annex II(I)(2) cannot be satisfied, the following conditions shall be satisfied: a male-sterile component shall be used to produce certified seed by using a male component which contains a specific restorer line or lines so that at least one third of the plants grown from the resulting hybrid will produce pollen which appears normal in all respects;
- C. Hybrids of *Brassica napus*, produced using the male sterility:
 - (a) the percentage by number of plants which are recognisable as obviously not being true to the inbred line or to the component shall not exceed:

(aa) for the production of basic seed				
(i)	inbred lines	0,1 %		
(ii) si	mple hybrids			

	male component,	0,1 %
	•	0,2 %
	female component,	
	or the production of ied seed	
_	male component,	0,3 %

- (b) Male sterility shall be at least 99 % for the production of basic seed and 98 % for the production of certified seed. The level of male sterility shall be assessed by examining flowers for the absence of fertile anthers;
- D. Hybrids of *Gossypium hirsutum* and *Gossypium barbadense*:
 - (a) in crops to produce basic seed of parental lines of *Gossypium hirsutum* and *Gossypium barbadense*, the minimum varietal purity of both the female and male parental lines shall be 99,8 % when 5 % or more of seed-bearing plants have pollen receptive flowers. The level of male sterility of the seed-bearing parent line shall be assessed by examining the flowers for the presence of sterile anthers and shall not be less than 99,9 %
 - (b) in crops to produce certified seed of hybrid varieties of *Gossypium hirsutum* and/or *Gossypium barbadense*, the minimum varietal purity of both the seed-bearing parent and the pollen parent line shall be 99,5 % when 5 % or more of seed-bearing plants have pollen receptive flowers. The level of male sterility of the seed-bearing parent line shall be assessed by examining the flowers for the presence of sterile anthers and shall not be less than 99,7 %.
- 4. Harmful organisms which reduce the usefulness of the seed shall be at the lowest possible level. In the case of *Glycine max* this condition is applicable in particular to the organisms *Pseudomonas syringae* pv. *glycinea*, *Diaporthe phaseolorum* var. *caulivora* and var. *sojae*, *Phialophora gregata* and *Phytophthora megasperma* f.sp. *glycinea*.
- 5. The satisfaction of the abovementioned other standards or conditions shall, in the case of basic seed, be examined in official field inspections and, in the case of certified seed, be examined either in official field inspections or in inspections carried out under official supervision. These field inspections shall be carried out in accordance with the following conditions:
- A. The condition and the stage of development of the crop shall permit an adequate examination.
- B. In cases other than crops of hybrids of *Helianthus annuus, Brassica napus, Gossypium hirsutum* and *Gossypium barbadense*, there shall be at least one inspection.

In the case of hybrids of *Helianthus annuus* there shall be at least two inspections.

In the case of hybrids of *Brassica napus* there shall be at least three inspections: the first shall be made before the flowering stage, the second at the early flowering stage and the third at the end of the flowering stage.

In the case of hybrids of *Gossypium hirsutum* and/or *Gossypium barbadense* there shall be at least three inspections: the first shall be made at the early flowering stage, the second before the end of the flowering stage and the third at the end of the flowering stage after removal, where appropriate, of the pollen parent plants.

C. The size, the number and the distribution of the portions of the field to be inspected in order to examine the satisfaction of the provisions of this Annex shall be determined in accordance with appropriate methods.

ANNEX II

CONDITIONS TO BE SATISFIED BY THE SEED I.BASIC AND CERTIFIED SEED

1. The seed shall have sufficient varietal identity and varietal purity. In particular, seeds of the species listed below shall conform to the following other standards or conditions:

Species and category	Minimum varietal purity(%)
Arachis hypogaea:	
— basic seed,	99,7
— certified seed,	99,5
<i>Brassica napus</i> other than hybrids, other than varieties to be used solely for fodder purposes, <i>Brassica rapa</i> , other than varieties to be used solely for fodder purposes	
— basic seed,	99,9
— certified seed,	99,7
<i>Brassica napus</i> spp. other than hybrids, varieties to be used solely for fodder purposes, <i>Brassica rapa</i> , varieties to be used solely for fodder purposes, <i>Helianthus</i> <i>annuus</i> , other than hybrid varieties including their components, <i>Sinapis alba</i> :	
— basic seed,	99,7
— certified seed,	99,0
Glycine max:	
— basic seed,	99,5
— certified seed,	99,0

Linum u	sitatissimum:	
_	basic seed,	99,7
	certified seed, 1st generation,	98,0
	certified seed, 2nd and 3rd generations,	97,5
Papaver	somniferum:	
_	basic seed,	99,0
_	certified seed,	98,0

The minimum varietal purity shall be examined mainly in field inspections carried out in accordance with the conditions laid down in Annex I.

- 2. In the case of hybrids of *Brassica napus* produced using male sterility the seed shall conform with the conditions and standards set out in points (a) to (d).
- (a) The seed shall have sufficient identity and purity as regards the varietal characteristics of its components, including male sterility or restoration of fertility;
- (b) The minimum varietal purity of the seed shall be:

99,0 %
99,9 %
90,0 %

(c) Seed shall not be certified as certified seed unless due account has been taken of the results of official post-control plot tests on samples of basic seed taken officially and carried out during the growing season of the seed entered for certification as certified seed to ascertain whether the basic seed has met the requirements for basic seed laid down in respect of identity as regards the characteristics of the components, including male sterility, and the standards for basic seed laid down in respect of the minimum varietal purity laid down in point (b).

In the case of basic seed of hybrids, the varietal purity may be assessed by appropriate biochemical methods;

(d) The compliance with the standards of the minimum varietal purity laid down in point (b) in respect of certified seed of hybrids shall be monitored by official post-control

tests on an appropriate proportion of samples taken officially. Appropriate biochemical methods may be utilised.

- 3. Where the condition laid down in Annex I(3)(B)(b)(dd) cannot be satisfied, the following condition shall be met: where for the production of certified seed of hybrids of *Helianthus annuus* a female male-sterile component and a male component which does not restore male fertility have been used, the seed produced by the male-sterile parent shall be blended with seed produced by the fully fertile seed parent. The ratio of male-sterile parent seed to male-fertile parent shall not exceed two to one.
- 4. The seed shall conform to the following other standards or conditions as regards germination, analytical purity and content of seeds of other plant species including *Orobanche* spp.:
- A. Table:

Speci and categ	germ oxyf pure	pure seed) Minim Ma xi			Maximum content by number of seeds of other plant species in a sample of the weight specified in column 4 of Annex III(total per column) mOther Avena CuscutRaphanRusnexAlopecLumis nplan fatua, spp. raphansistrummyosumeinte						
		purit by weigh	y(016 seeds	speci (a) es(%	esAven steril	a	rupi	other than <i>Rum</i> <i>aceto</i>	ex	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	seeds
1	2	3	4	5	6	7	8	9	10	11	12
Arach hypog	1	99		5	0	0 (c)					
Brass spp.	sica							·		·	
	85 basi seec		0,3		0	0 (c) (d)	10	2			
	85 cert seed	98 ified I,	0,3		0	0 (c) (d)	10	5			
Canna sativa	1715	98	—	30 (b)	0	0 (c)					(e)
Carthe tinctor		98	—	5	0	0 (c)					(e)
Carun carvi	170	97	—	25 (b)	0	0 (c) (d)	10		3		
Glycin max	æ 0	98	_	5	0	0 (c)					

<i>Gossy</i> spp.	9 80 m	98	 15	0	0 (c)			
Helian annuu		98	 5	0	0 (c)			

usitatissimum:

	92 flax	,99 ,		15	0	0 (c) (d)		4	2	
_	85 _{lins}	99 eed,		15	0	0 (c) (d)		4	2	
Papav somnij	e 8 0 ferum	98		25 (b)	0	0 (c) (d)				

Sinapis

alba:

 85 basi seec	0,3	 0	0 (c) (d)	10	2		
 85 cert seed	0,3	 0	0 (c) (d)	10	5		

B. Other standards or conditions applicable where reference is made to them in the table under Section I(4)(A) of this Annex:

- (a) the maximum contents of seeds laid down in column 5 include also the seeds of the species in columns 6 to 11;
- (b) the determination of total content of seeds of other plant species by number need not be carried out unless there is doubt whether the conditions laid down in column 5 have been satisfied;
- (c) the determination of seeds of *Cuscuta* spp. by number need not be carried out unless there is doubt whether the conditions laid down in column 7 have been satisfied;
- (d) the presence of one seed of *Cuscuta* spp. in a sample of the prescribed weight shall not be regarded as an impurity where a second sample of the same weight is free from any seeds of *Cuscuta* spp.;
- (e) the seed shall be free from *Orobanche* spp.; however the presence of one seed of *Orobanche* spp. in a sample of 100 grams shall not be regarded as an impurity where a second sample of 200 grams is free from any seeds of *Orobanche* spp.
- 5. Harmful organisms which reduce the usefulness of the seed shall be at the lowest possible level. In particular, the seed shall conform to the following other standards or conditions:
- A. Table:

Species	Harmful organisms	

	Maximum per contaminated per column)	Sclerotinia sclerotiorum (maximum		
	<i>Botrytis</i> spp.	Alternaria linicola, Phoma exigua var. linicola, Colletotrichum linicola, Fusarium spp.	Platyedra gossypiella	number of sclerotia or fragments of sclerotia in a sample of the weight specified in column 4 of Annex III)
1	2	3	4	5
Brassica napus				10 (b)
Brassica rapa				5 (b)
Cannabis sativa	5			
<i>Gossypium</i> spp.			1	
Helianthus annuus	5			10 (b)
Linum usitatissimum	5	5 (a)		
Sinapis alba				5 (b)

- B. Other standards or conditions applicable where reference is made to them in the table under Section I(5)(A) of this Annex:
 - (a) in *Linum usitatissimum* flax, the maximum percentage by number of seeds contaminated by *Phoma exigua* var. *linicola* shall not exceed one;
 - (b) the determination of sclerotia or fragments of sclerotia of *Sclerotinia sclerotiorum* by number need not be carried out unless there is doubt whether the conditions laid down in column 5 of this table have been satisfied.
- C. Particular standards or other conditions applicable to *Glycine max*:
 - (a) in respect of *Pseudomonas syringae* pv. *glycinea* the maximum number of sub-samples within a sample of 5 000 seeds minimum per lot subdivided into 5 sub-samples which have been found to be contaminated by the said organism shall not exceed 4;

where suspect colonies are identified in all five sub-samples, appropriate biochemical tests on the suspect colonies isolated on a preferential medium for each subsample may be used to confirm the above standards or conditions;

(b) in respect of *Diaporthe phaseolorum* var. *phaseolorum* the maximum number of seeds contaminated shall not exceed 15 %;

(c) the percentage by weight of inert matter, as defined in accordance with current international testing methods, shall not exceed 0.3.

In accordance with the procedure referred to in Article 25(2), Member States may be authorised not to carry out the examination in respect of the above particular standards or other conditions unless, on the basis of previous experience, there is doubt whether those standards or conditions have been satisfied.

II. COMMERCIAL SEED

With the exception of Section 1, the conditions referred to in Annex II(I) shall apply to commercial seed.

ANNEX III

LOT AND SAMPLE WEIGHTS

Species	Maximum weight of a lot(tonnes)	Minimum weight of a sample to be drawn from a lot(grams)	Weight of the sample for the determinations by number provided for in columns 5 to 11 of Annex II(I)(4)(A) and in column 5 of Annex II(I)(5)(A)(grams)
1	2	3	4
Arachis hypogaea	30	1 000	1 000
Brassica juncea	10	100	40
Brassica napus	10	200	100
Brassica nigra	10	100	40
Brassica rapa	10	200	70
Cannabis sativa	10	600	600
Carthamus tinctorius	25	900	900
Carum carvi	10	200	80
Glycine max	30	1 000	1 000
Gossypium spp.	25	1 000	1 000
Helianthus annuus	25	1 000	1 000
Linum usitatissimum	10	300	150
Papaver somniferum	10	50	10
Sinapis alba	10	400	200

The maximum lot weight shall not be exceeded by more than 5 %..

Editorial Information

X1 Substituted by Corrigendum to Commission Directive 2009/74/EC of 26 June 2009 amending Council Directives 66/401/EEC, 66/402/EEC, 2002/55/EC and 2002/57/EC as regards the botanical names of plants, the scientific names of other organisms and certain Annexes to Directives 66/401/EEC, 66/402/EEC and 2002/57/EC in the light of developments of scientific and technical knowledge (Official Journal of the European Union L 166 of 27 June 2009).

- (1) OJ 125, 11.7.1966, p. 2298/66.
- (**2**) OJ 125, 11.7.1966, p. 2309/66.
- (**3**) OJ L 193, 20.7.2002, p. 33.
- (**4**) OJ L 193, 20.7.2002, p. 74.
- (5) OJ L 38, 9.2.2006, p. 17.