[F1ANNEX II

CONDITIONS TO BE SATISFIED BY THE SEED

Textual Amendments

F1 Substituted by 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).

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
Brassica napus other than hybrids, other than varieties to be used solely for fodder purposes, *Brassica rapa*, other than varieties to be used solely for fodder purposes	
— basic seed,	99,9
— certified seed,	99,7
Brassica napus spp. other than hybrids, varieties to be used solely for fodder purposes, *Brassica rapa*, varieties to be used solely for fodder purposes, *Helianthus annuus*, other than hybrid varieties including their components, *Sinapis alba*:	
— basic seed,	99,7
— certified seed,	99,0
Glycine max:	
— basic seed,	99,5
— certified seed,	99,0
Linum usitatissimum:	

— 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) **[**[F2]The minimum varietal purity of the seed shall be:
- basic seed, female component: 99,0 %,
- basic seed, male component: 99,9 %,
- certified seed of winter swede rape varieties: 90,0 %,
- certified seed of spring swede rape varieties: 85,0 %;**]**

(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.

Textual Amendments

F2 Substituted by Commission Implementing Directive (EU) 2016/11 of 5 January 2016 amending Annex II to Council Directive 2002/57/EC on the marketing of seed of oil and fibre plants (Text with EEA relevance).

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:

Species and category	**Minimum germination (% of pure seed)**	**Analytical purity (%)**		**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)**							**Conditions as regards content of *Orobanche* seeds**
		Minimum analytical purity (% by weight)	**Maximum content of other plant species (% by weight)**	**Other plant species (a)**	***Avena fatua*, *Avena sterilis***	***Cuscuta* spp.**	***Raphanus raphanistrum***	***Rumex* spp. other than *Rumex acetosella***	***Alopecurus myosuroides***	***Lolium remotum***	
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Arachis hypogaea	70	99	—	5	0	0 (c)					
***Brassica* spp.**											
—	85 basic seed,	98	0,3	—	0	0 (c) (d)	10	2			
—	85 certified seed,	98	0,3	—	0	0 (c) (d)	10	5			
Cannabis sativa	75	98	—	30 (b)	0	0 (c)					(e)
Carthamus tinctorius	75	98	—	5	0	0 (c)					(e)
Carum carvi	70	97	—	25 (b)	0	0 (c) (d)	10		3		
Glycine max	80	98	—	5	0	0 (c)					
Gossypium spp.	80	98	—	15	0	0 (c)					
Helianthus annuus	85	98	—	5	0	0 (c)					

***Linum usitatissimum*:**											
—	92	99	—	15	0	0 (c) (d)			4	2	flax,
—	85	99	—	15	0	0 (c) (d)			4	2	linseed,
Papaver somniferum	80	98	—	25 (b)	0	0 (c) (d)					
***Sinapis alba*:**											
—	85	98	0,3	—	0	0 (c) (d)	10	2			basic seed,
—	85	98	0,3	—	0	0 (c) (d)	10	5			certified seed,

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.

[F3 5. The seed shall be practically free from any pests which reduce the usefulness and quality of the propagating material.

The seed shall also comply with the requirements concerning Union quarantine pests, protected zone quarantine pests and RNQPs provided for in implementing acts adopted pursuant to Regulation (EU) 2016/2031, as well as with the measures adopted pursuant to Article 30(1) of that Regulation.

The presence of RNQPs on the seeds and the respective categories shall comply with the following requirements as set out in the table:

Fungi and oomycetes

RNQPs or symptoms caused by RNQPs	**Plants for planting(genus or species)**	**Thresholds for pre-basic seed**	**Thresholds for basic seed**	**Thresholds for certified seed**
Alternaria linicola Groves & Skolko [ALTELI]	*Linum usitatissimum* L.	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp
Boeremia exigua var. *linicola* (Naumov & Vassiljevsky) Aveskamp, Gruyter & Verkley [PHOMEL]	*Linum usitatissimum* L. - flax	1 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	1 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	1 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp
Boeremia exigua var. *linicola* (Naumov & Vassiljevsky) Aveskamp, Gruyter & Verkley [PHOMEL]	*Linum usitatissimum* L. - linseed	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp
Botrytis cinerea de Bary [BOTRCI]	*Helianthus annuus* L., *Linum usitatissimum* L.	5 %	5 %	5 %
Colletotrichum lini Westerdijk [COLLLI]	*Linum usitatissimum* L.	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp
Diaporthe caulivora (Athow & Caldwell) J.M. Santos, Vrandecic &	*Glycine max* (L.) Merr	15 % for infection with the Phomopsis complex	15 % for infection with the Phomopsis complex	15 % for infection with the Phomopsis complex

A.J.L. Phillips [DIAPPC] *Diaporthe phaseolorum* var. *sojae* Lehman [DIAPPS]				
Fusarium (anamorphic genus) Link [1FUSAG] other than *Fusarium oxysporum* f. sp. *albedinis* (Kill. & Maire) W.L. Gordon [FUSAAL] and *Fusarium circinatum* Nirenberg & O'Donnell [GIBBCI]	*Linum usitatissimum* L.	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp	5 % 5 % affected with *Alternaria linicola*, *Boeremia exigua* var. *linicola*, *Colletotrichium lini* and *Fusarium* spp
Plasmopara halstedii (Farlow) Berlese & de Toni [PLASHA]	*Helianthus annuus* L.	0 %	0 %	0 %
Sclerotinia sclerotiorum (Libert) de Bary [SCLESC]	*Brassica rapa* L. var. silvestris (Lam.) Briggs,	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC.	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC.	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC.
Sclerotinia sclerotiorum (Libert) de Bary [SCLESC]	*Brassica napus* L. *(partim), Helianthus annuus* L.	Not more than 10 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified	Not more than 10 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified	Not more than 10 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified

		in column 4 of Annex III to Directive 2002/57/EC	in column 4 of Annex III to Directive 2002/57/EC	in column 4 of Annex III to Directive 2002/57/EC
Sclerotinia sclerotiorum (Libert) de Bary [SCLESC]	*Sinapis alba* L.	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC.	Not more than 5 sclerotia or fragments of sclerotia found in a laboratory examination of a representative sample of each seed lot, of a size specified in column 4 of Annex III to Directive 2002/57/EC.**]**

Textual Amendments

F3 Substituted by Commission Implementing Directive (EU) 2020/177 of 11 February 2020 amending Council Directives 66/401/EEC, 66/402/EEC, 68/193/EEC, 2002/55/EC, 2002/56/EC and 2002/57/EC, Commission Directives 93/49/EEC and 93/61/EEC and Implementing Directives 2014/21/EU and 2014/98/EU as regards pests of plants on seeds and other plant reproductive material (Text with EEA relevance).

II. COMMERCIAL SEED

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