

6. Table VESKOF of quality requirements for agricultural seed – last update 06-2020



Gramineae / grasses	minimum germination in percent [%] 1*)	Maximum quantity of hard seeds in percent [%] 2*)	Technical minimum purity in percent [%] 3*)	Maximum moisture content in percent [%]	maximum content of seeds of other species per VESKOF sample (pieces per sample)			maximum content of seeds of other species in weight percent 3*)				minimum sample size (in grams) to be drawn for a lot for determining the foreign seeds after VESKOF [g]
					<i>Rumex</i> spp. 4*)	<i>Cuscuta</i> spp.	<i>Avena fatua</i> 5*)	total	a single species	<i>Agropyron repens</i>	<i>Alopecurus myosoides</i>	
					<i>Agrostis canina</i>	75		90	13	0	0		0	2.0	1.0	0.3	0.3	50
<i>Agrostis gigantea</i>	85		92	13	0	0	0	2.0	1.0	0.3	0.3	50
<i>Agrostis stolonifera</i>	90		98	13	0	0	0	1.5	1.0	0.3	0.3	50
<i>Agrostis capillaris</i>	90		98	13	0	0	0	2.0	1.0	0.3	0.3	50
<i>Agropyron elongatum</i>	80		97	13	1	0	0	0.5	0.3			50
<i>Alopecurus pratensis</i>	70		85	13	1	0	0	2.5	1.0	0.3	0.3	100
<i>Arrhenatherum elatius</i>	75		90	13	1	0	0	3.0	1.0	0.5	0.3	100
<i>Bromus bibersteinii/riparius</i>	80		90	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Bromus catharticus</i>	80		97	13	2	0	0	1.5	1.0	0.5	0.3	200
<i>Bromus erectus</i>	65		90	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Bromus inermis</i>	80		90	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Bromus secalinus</i>	80		95	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Bromus sitchensis</i>	80		97	13	2	0	0	1.5	1.0	0.5	0.3	200
<i>Bromus stamineus</i>	80		97	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Cynodon dactylon</i>	70		90	13	1	0	0	2.0	1.0	0.3	0.3	100
<i>Cynosurus cristatus</i>	85		98	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Dactylis glomerata</i>	85		92	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Deschampsia caespitosa</i>	70		80	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Deschampsia flexuosa</i>	70		70	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Festuca arundinacea</i>	85		95	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Festuca ovina</i>	85		92	13	1	0	0	2.0	1.0	0.5	0.3	100
<i>Festuca pratensis</i>	85		97	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Festuca rubra trychophylla</i>	85		95	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Festuca rubra commutata</i>	85		95	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Festuca rubra rubra</i>	85		92	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Festuca trachyphylla</i>	85		92	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>x Festulolium</i>	75		96	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Holcus lanatus</i>	80		90	13	1	0	0	2.0	1.0	0.5	0.3	100
<i>Lolium multiflorum</i>	85		97	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Lolium perenne</i>	85		97	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Lolium x boucheanum</i>	85		97	13	1	0	0	1.5	1.0	0.5	0.3	100
<i>Koeleria macrantha</i>	70		75	13	0	0	0	1.5	1.0	0.5	0.3	50
<i>Phalaris aquatica</i>	75		96	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Phalaris arundinacea</i>	70		90	13	1	0	0	1.5	1.0	0.3	0.3	100
<i>Phleum bertolonii</i>	85		98	13	0	0	0	1.5	1.0	0.3	0.3	50
<i>Phleum pratense</i>	85		98	13	0	0	0	1.5	1.0	0.3	0.3	50
<i>Panicum miliaceum</i>	80		95	13	1	0	0	1.5	1.0	0.3	0.3	150

Gramineae / grasses	minimum germination in percent [%] 1*)	Maximum quantity of hard seeds in percent [%] 2*)	Technical minimum purity in percent [%] 3*)	Maximum moisture content in percent [%]	maximum content of seeds of other species per VESKOF sample (pieces per sample)			maximum content of seeds of other species in weight percent 3*)					minimum sample size (in grams) to be drawn for a lot for determining the foreign seeds after VESKOF [g]
					<i>Rumex</i> spp. 4*)	<i>Cuscuta</i> spp.	<i>Avena fatua</i> 5*)	total	a single species	<i>Agropyron repens</i>	<i>Alopecurus myosoides</i>	<i>Melilotus</i> spp.	
<i>Poa alpina</i>	80		90	13	0	0	0	1.5	1.0	0.3	0.3		50
<i>Poa annua</i>	80		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa compressa</i>	80		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa nemoralis</i>	85		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa palustris</i>	75		85	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa pratensis</i>	80		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa supina</i>	80		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Poa trivialis</i>	85		90	13	0	0	0	2.0	1.0	0.3	0.3		50
<i>Sorghum sudanese</i>	85		98	13	0	0	0	1.5	1.0	0.3	0.3		250
<i>Trisetum flavescens</i>	75		75	13	1	0	0	3.0	1.0	0.3	0.3		50
Leguminosae / clovers	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Anthyllis vulneraria</i>	80	30	85	11	2	0	0	2.0	1.0			0.3	200
<i>Hedysarum coronarium</i>	75	30	95	11	2	0	0	2.5	1.0			0.3	200
<i>Lotus corniculatus</i>	75	40	95	11	2	0	0	1.8	1.0			0.3	200
<i>Lotus uliginosus</i>	75	40	95	11	2	0	0	1.8	1.0			0.3	200
<i>Lupinus albus</i>	80	20	98	11	10	0	0	0.5	0.3			0.3	1000
<i>Lupinus angustifolius</i>	80	20	98	11	10	0	0	0.5	0.3			0.3	1000
<i>Lupinus luteus</i>	80	20	98	11	10	0	0	0.5	0.3			0.3	1000
<i>Medicago lupulina</i>	80	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Medicago sativa</i>	82	40	97	11	2	0	0	1.5	1.0			0.3	200
<i>Medicago x varia</i>	80	40	97	11	2	0	0	1.5	1.0			0.3	200
<i>Melilotus alba</i>	80	40	98	11	2	0	0	1.5	1.0			0.3	200
<i>Melilotus officinalis</i>	80	40	98	11	2	0	0	1.5	1.0			0.3	200
<i>Onobrychis viciifolia (Same)</i>	75	20	98	11	4	0	0	2.5	1.0			0.3	400
<i>Onobrychis viciifolia (Frucht)</i>	75	20	98	11	4	0	0	2.5	1.0			0.3	600
<i>Pisum sativum</i>	80		98	15	10	0	0	0.5	0.3			0.3	1000
<i>Trifolium alexandrinum</i>	85	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Trifolium hybridum</i>	85	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Trifolium incarnatum</i>	80	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Trifolium pratense</i>	85	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Trifolium repens</i>	85	40	98	11	1	0	0	1.5	1.0			0.3	100
<i>Trifolium resupinatum</i>	90	20	98	11	2	0	0	1.5	1.0			0.3	200
<i>Trifolium subterraneum</i>	85	20	98	11	2	0	0	1.5	1.0			0.3	250
<i>Trigonella foenum-graecum</i>	80		95	11	4	0	0	1.0	0.5			0.3	450
<i>Vicia faba</i>	80	5	98	15	10	0	0	0.5	0.3			0.3	1000
<i>Vicia pannonica</i>	85	20	98	15	10	0	0	1.0	0.5			0.3	1000
<i>Vicia sativa</i>	85	20	98	15	10	0	0	1.0	0.5			0.3	1000
<i>Vicia villosa</i>	85	20	98	15	10	0	0	1.0	0.5			0.3	1000

Oil and fibre plants, fodder beet and other species	minimum germination in percent [%] 1*)	Technical minimum purity in percent [%] 3*)	Maximum moisture content in percent [%]	maximum content of seeds of other species per VESKOF sample (pieces per sample)								maximum content of seeds of other species in weight percent 3*)					minimum sample size (in grams) to be drawn for a lot for determining the foreign seeds after VESKOF [g]
				Total	Avena fatua 5*)	Cuscuta spp.	Raphanus raphanistrum	Rumex spp. 4*)	Alpecurus myosroides	Lolium remotum	Abutilon theophrasti	Total	a single species	Raphanus raphanistrum	Sinapis arvensis	Meililotus spp	
Brassica spp.: - certified seeds	85	98	11		0	0	10	1				0.3					100
Brassica oleracea subv. acephala	80	98	11		0	0		1				1.0	0.5	0.3	0.3		100
Brassica rapa L. silvestris (Winterrübsen / Chinakohlrübsen)	85	98	11		0	0		1				1.0	0.5	0.3			100
Raphanus sativus var. oleiformis	80	98	11		0	0		3			3	1.0	0.5	0.3	0.3		300
Sinapis alba: - certified seeds	85	98	11		0	0	10	2			2						200
Linum usitatissimum - fibre flax	92	99	11	15	0	0		1	4	2							150
Linum usitatissimum - oil linseed	85	99	11	15	0	0		1	4	2							150
Camelina sativa	85	98	11	15	0	0		1	4	2							50
Cannabis sativa	75	98	10	30	0	0		6									600
Helianthus annuus	85	98	10	5	0	0		10									1000
Beta vulgaris	73	97	15		0	0		5				0.3					500
Glycine max	80	98	14	5	0	0		10									1000
Fagopyron esculentum	70	90	11		0	0		6									600
Phacelia tanacetifolia	80	98	11		0	0		1				1.0	0.5				100
Avena Strigosa	85	98	13		0	0		1				1.5	1.0				100
Achillea millefolium	85	97	13		0	0		0									5
Guizotia abyssinica	85	98	11		0	0		1					1.0	0.5			100
Sanguisorba muricata	80	90	11		0	0		2				1.5	1.0			0.3	200

1*) All healthy seeds swollen but not germinated after pretreatment, are counted as fresh seeds.

The germination potential must be checked by a viability test when $\geq 5\%$ fresh seeds are present, provided that an appropriate ISTA method is available for the type of seeds examined.

2*) Hard-shelled seeds are counted up to the maximum percentage as germinable/viable seeds.

3*) The test weight for technical purity corresponds to the test weight for purity analysis according to the current ISTA Rules, Table 2C.

4*) All *Rumex* spp. except *Rumex acetosella* and *Rumex maritimus* had to be considered.

5*) *Avena ludoviciana* and *Avena sterilis* had also to be considered.