FAO[1]

Cereals

Standards	Crops							
	Wheat	Rice	Hybrid Maize	OPP Maize	Hybrid Sorghum	OPP Sorghum	Hybrid Millet	OPP Millet
Field Standards								
Rotation (min. years)	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]
Isolation (min. meters)	[b]	[b]	200[c]	200[c]	100[d]	100[d]	200	100
Varietal purity (min. %)	98	98	98[e]	98	98[e]	98	98[e]	98
Other species (max. %)	2	2	-	-	-	-	-	-
Noxious weeds (max. %)	+	+	-	-	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+
Seed Standards								
Varietal purity (max. %)	98	98	98	98	98	98	98	98
Analytical purity (min. %)	98	98	98	98	98	98	98	98
Weed/other crop seeds (max. %)	+	+	-	-	-	-	-	-
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+
Germination (min. %)	80	75	80	80	70	70	70	70
Moisture content (max. %)	+	+	+	+	+	+	+	+

[a] The land for seed production shall be free from volunteer plants [and in case of sorghum from Johnson grass *(Sorghum halpense*)].

[b] The seed field shall be isolated from other similar species or other species with similar seed size by a distance adequate to prevent mechanical mixture or a physical barrier (ditch, hedge, fence, etc).

[c] Isolation in hybrid and open pollinated maize shall be achieved by 30 days difference in flowering time.

[d] For sorghum the isolation distance shall be 400 m from Johnson grass or forage sorghum with high tillering and grassy panicle.

[e] At flowering (emasculation), no more than 1% of the female plants shall bear inflorescences (male inflorescences incase of maize) which have shed or are shedding pollen.

NB: + Standards should be specified by each country according to local needs; - There are no standards suggested for these factors

1 ly binding. For details refer to: FAO.1993. Quality Declared Seed. Technical Guidelines for Standards and Procedures. FAO Plant Production and Protection Paper 117.FAO, Rome Italy. 186 pp.

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Legumes

Standards	Crops								
	Beans	Faba bean	Chickpea	Cowpea	Dry pea	Lentil	Mung bean	Soya bean	Ground nut
Field Standards									
Rotation (min. years)	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]
Isolation (min. meters)	20	100	5	20	5	5	5	[b]	5
Varietal purity (min. %)	98	98	98	98	98	98	98	98	98
Other species (max. %)	2	2	2	2	2	2	2	2	2
Noxious weeds (max. %)	+	+	+	+	+	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+	+
Seed Standards									
Varietal purity (min. %)	98	98	98	98	98	98	98	98	98
Analytical purity (min. %)	98	98	98	98	98	98	98	98	98
Weed/other crop seeds (max. %)	+	+	+	+	+	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+	+
Germination (min. %)	60	60	60	65	60	60	70	70[c]	60
Moisture content (max. %)	+	+	+	+	+	+	+	+	+

[a] The land for seed production shall be free from volunteer plants

[b] The seed field shall be isolated from other similar species or other species with similar seed size by a distance adequate to prevent mechanical mixture or a physical barrier (ditch, hedge, fence, etc).

[c] Germination shall be 60% in humid topics

NB: + Standards should be specified by each country according to local needs

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Oilseeds, Cotton and Castor bean

Standards	Crops				
	Hybrid Sunflower	OPP Sunflower	Sesame	Cotton	Castor bean
Field Standards					
Rotation (min. years)	[a]	[a]	[a]	[a]	[a]
Isolation (min. meters)	400[b]	200	50	30	100
Varietal purity (min. %)	98[c]	98	98	98	98
Other species (max. %)	-	-	2	-	2
Noxious weeds (max. %)	+	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+
Seed Standards					
Varietal purity (min. %)	98	98	98	98	98
Analytical purity (min. %)	98	98	98	98	98
Weed/other crop seeds (max. %)	-	-	+	+	+
Seed-borne diseases (max. %)	+	+ +	+	+	+
Germination (min. %)	70	70	60	60	60
Moisture content (max. %)	+	+	+	+	+

[a] The land for seed production shall be free from volunteer plants

[b] Isolation in hybrid sunflower shall be achieved by 40 days difference in flowering time.

[c] At flowering (emasculation), no more than 1% of the female plants shall bear inflorescences (male inflorescences incase of maize) which have shed or are shedding pollen.

NB: + Standards should be specified by each country according to local needs; - There are no standards suggested for these factors

FAO

Vegetable Crops

Standards

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Field Standards														
Rotation (min. years)	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]	[a]
Isolation (min. meters)	1000[b]	1000	1000	500	200	1000	500	1000	500[c]	200	10	[d]	1000	500
Varietal purity (min. %)	98	98	99[e]	98	98	99[e]	98	98[e]	98	98	99[e]	98	99[e]	98
Other species (max. %)	2	2	-	-	-	-	-	2	2	-	-	-	-	-
Noxious weeds (max. %)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seed Standards*														
Varietal purity (max. %)	98	98	99	98	98	99	98	98	98	98	99	98	99	98
Analytical purity (min. %)	98	97	98	98	98	98	98	97	97	98	98	98	98	98
Weed/other crop seed (max.%)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seed-borne diseases (max. %)	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germination (min. %)	70	60	60	60	60	60	60	70	60	65	75[f]	75[f]	60	60
Moisture content (max. %)	+	+	+	+	+	+	+	+	+	+	+	+	+	+

1= Cabbage; 2= Carrot; 3= Hybrid cucumber; 4= Open pollinated cucumber; 5= Egg plant; 6= Hybrid melon; 7= Open pollinated melon; 8= Hybrid onion; 9= Open pollinated onion; 10= hot and sweet pepper; 11= hybrid tomato; 12= Open pollinated tomato; 13=Hybrid Water melon; 14= Open pollinated Water melon

[a] The land for seed production shall be free from volunteer plants

[b] Including cole group

[c] 1000m for distinctly different varieties

[d] The seed field shall be isolated from other similar species or other species with similar seed size by a distance adequate to prevent mechanical mixture or a physical barrier (ditch, hedge, fence, etc)

[e] At flowering (emasculation), no more than 1% of the female plants shall bear inflorescences (male inflorescences incase of maize) which have shed or are shedding pollen.

[f] Germination shall be 65% in humid topics

NB: + Standards should be specified by each country according to local needs; There are no standards suggested for these factors