

Ethiopia¹*Wheat*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	1
Isolation (min. meters) ^a	5	5	3	3	3	3	3
Other varieties (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	0.5
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	97	97	95	95
Other crop seeds (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	0.5
Weed seeds (max. %)		0.01	0.02	0.05	0.05	0.2	0.5
Infected seeds (max %)		0.02	0.03	0.05	0.05	0.05	0.1
Inert matter (max. %)	1	2	2	2	2	2	3
Germination (min. %)	90	90	85	85	85	85	80
Moisture content (max. %)	13	13	13	13	13	13	13

^a Isolation distance of 150m from wheat fields with 0.01% loose smut infection

NB Wheat seed-borne diseases are common bunt, loose smut, head blight and glume blotch

¹ A comprehensive field and seed standards for all crops is developed pending ratification

Ethiopia*Emmer wheat*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	1
Isolation (min. meters) ^a	5	5	3	3	3	3	3
Other varieties (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	0.3
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	97	97	95	95
Other crop seeds (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	0.5
Weed seeds (max. %)		0.01	0.02	0.05	0.05	0.2	0.5
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	1
Inert matter (max. %)	1	2	2	2	2	2	2
Germination (min. %)	90	90	85	85	85	85	80
Moisture content (max. %)	13	13	13	13	13	13	13

Ethiopia*Barley*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	
Isolation (min. meters) ^a	5	5	3	3	3	3	
Other varieties (max. %)	0.03	0.05	0.2	0.3	0.5	0.5	0.5
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	97	97	95	95
Other crop seeds (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	0.5
Weed seeds (max. %) ^c		0.01	0.02	0.05	0.05	0.2	0.5
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	0.1
Inert matter (max. %)	1	2	2	2	2	2	3
Germination (min. %)	90	90	85	85	85	80	80
Moisture content (max. %)	12.5	12.5	12.5	12.5	12.5	12.5	12.5

^a Isolation distance of 150m from wheat fields with 0.01% loose smut infection

NB Barley seed-borne diseases are covered smut, loose smut, leaf stripe, foot rot, head blight and scald

Ethiopia*Tef (Eragrostis tef)*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	1
Isolation (min. meters)	10	10	10	10	10	10	
Other varieties (max. %)	0.01	0.02	0.5	0.1	0.1	0.1	0.2
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	96	95	93	92	91	90	
Other crop seeds (max. %)	0.05	0.1	0.3	0.5	0.5	0.5	1
Weed seeds (max. %)	0.1	0.1	0.3	0.5	0.5	1	1
Infected seeds (max. %)			0.03	0.05	0.05	0.05	1
Inert matter (max. %)	1	2	2	2.5	2.5	3	4
Germination (min. %)	95	94	85	85	85	85	85
Moisture content (max. %)	11	11	11	11	11	11	11

Ethiopia*Maize*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	
Isolation (min. meters)	400	400	400	400	400	400	
Other varieties (max. %)	0.1	0.1	0.3	0.3	0.5	1	1
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	99	98	98	98	97	95
Other crop seeds (max. %)	0.1	0.2	0.3	0.5	0.5	0.5	1
Weed seeds (max. %)		0.2	0.3	0.5	0.5	0.5	1
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	1
Inert matter (max. %)	1	2	2	2	2	2.5	3
Germination (min. %)	90	90	85	85	85	85	85
Moisture content (max. %)	13	13	13	13	13	13	13

NB Maize seed-borne diseases are bacterial wilt, leaf spot, seedling blight, stalk rot and white rot

Ethiopia*Maize (hybrid)*

Standards	Seed Classes		
	Parental lines	Basic (cross)	Certified
Field Standards			
Rotation (min. years)	3	2	2
Isolation (min. meters)	400	400	300
Other varieties (max. %)	0.1	0.1	0.1
Pollen shedding heads in seed parent at flowering	0.2	0.2	0.5
Other species (max. %)			
Noxious weeds (max. %)			
Infected plants (max. %)			
Seed Standards			
Pure seed (min. %)	99.5	99	98
Other crop seeds (max. %)		0.2	0.3
Weed seeds (max. %)		0.2	0.3
Infected seeds (max. %)		0.02	0.05
Inert matter (max. %)	0.5	1	2
Germination (min. %)	90	85	85
Moisture content (max. %)	13	13	13

NB: Maize seed-borne diseases are bacterial wilt, leaf spot, seedling blight, stalk rot and white rot

Ethiopia*Sorghum*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	1
Isolation (min. meters) ^a	200	200	200	200	200	200	200
Other varieties (max. %)	0.01	0.03	0.05	0.1	0.1	0.3	0.5
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	99	98	98	98	97	97
Other crop seeds (max. %)	0.1	0.2	0.3	0.5	0.5	0.5	1
Weed seeds (max. %)		0.2	0.3	0.5	0.5	0.5	1
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	1
Inert matter (max. %)	1	2	2	2	2	2	2
Germination (min. %)	85	85	80	80	80	80	75
Moisture content (max. %)	12	12	12	12	12	12	12

^a Isolation from Johnson grass is 600 m and from dual purpose sorghum and broom sorghum is 400 m

NB: Sorghum seed-borne diseases are ergot, stalk rot, seed rot, loose kernel smut and covered smut

Ethiopia*Sorghum (Hybrid)*

Standards	Seed Classes		
	Breeder	Basic	Certified
Field Standards			
Rotation (min. years)	3	2	2
Isolation (min. meters) ^a	400	400	200
Other varieties (max. %)	0.01	0.02	0.02
Pollen shedding heads in seed parent at flowering	0.2	0.5	0.5
Other species (max. %)			
Noxious weeds (max. %)			
Infected plants (max. %)			
Seed Standards			
Pure seed (min. %)	99	99	98
Other crop seeds (max. %)		0.2	0.3
Weed seeds (max. %) ^c		0.2	0.3
Infected seeds (max. %)		0.02	0.05
Inert matter (max. %)	0.5	1	2
Germination (min. %)	90	85	80
Moisture content (max. %)	12	12	12

^a Isolation from Johnson grass is 600 m and from dual purpose sorghum and broom sorghum is 400 m

NB: Sorghum seed-borne diseases are ergot, stalk rot, seed rot, loose kernel smut and covered smut

Ethiopia

Finger millet

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	
Isolation (min. meters) ^a	5	5	3	3	3	3	
Other varieties (max. %)	0.02	0.05	0.2	0.2	0.2	0.3	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	97	97	97	95
Other crop seeds (max. %)	0.1	0.2	0.3	0.5	0.5	0.5	1
Weed seeds (max. %)		0.2	0.3	0.5	0.5	0.5	1
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	1
Inert matter (max. %)	1	2	2	2	2	2	2
Germination (min. %)	80	75	75	70	70	70	70
Moisture content (max. %)	12	12	12	12	12	12	12

NB: Finger millet seed-borne diseases are *Sphacelotheca papmarum*, *Aspergillus* and *Penicillium* species

Ethiopia*Faba bean*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	200	200	100	100	100	50	
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	96	95	93
Other crop seeds (max. %)	0.1	0.3	0.5	0.5	0.5	0.7	
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)		0.05	0.2	0.2	0.2	0.2	0.2
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

NB: Faba bean seed borne diseases are ascochyta, chocolate spot, etc

Ethiopia*Field pea*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	95	93	
Other crop seeds (max. %)		0.1	0.2	0.2	0.4	0.4	
Weed seeds (max. %)		0.1	0.2	0.2	0.4	0.4	
Infected seeds (max. %)		0.05	0.2	0.2	0.2	0.2	0.4
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

Ethiopia*Chickpea*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	95	93	
Other crop seeds (max. %)		0.1	0.2	0.2	0.4	0.4	
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)		0.05	0.2	0.2	0.2	0.2	0.4
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

NB: Chickpea seed borne diseases are ascochyta blight, fusarium, etc,

Ethiopia*Lentil*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	95	93	
Other crop seeds (max. %)		0.1	0.3	0.5	0.5	0.7	
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)		0.05	0.2	0.2	0.2	0.2	0.4
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

Ethiopia*Cowpea*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	95	93	
Other crop seeds (max. %)	None	0.1	0.3	0.5	0.5	0.7	
Weed seeds (max. %)	None	0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)	None	0.05	0.2	0.2	0.2	0.2	0.4
Inert matter (max. %)	None	1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

NB: Cowpea seed borne diseases are cowpea mosaic, cowpea ring spot virus, cucumber mosaic virus, etc

Ethiopia*Haricot bean*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.1	0.1	0.2	0.2	0.2	0.5	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	96	95	93
Other crop seeds (max. %)		0.1	0.3	0.5	0.5	0.7	
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)		0.05	0.2	0.2	0.2	0.2	0.4
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

NB: Haricot bean seed-borne diseases are anthracnose common bacterial blight, halo blight and white mould

Ethiopia*Soya bean*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	2	2	1	1	1	1	
Isolation (min. meters) ^a	10	10	5	5	5	5	
Other varieties (max. %)	0.1	0.1	0.2	0.2	0.2	0.5	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	97	96	96	95	93
Other crop seeds (max. %)		0.1	0.3	0.5	0.5	0.7	
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4	
Infected seeds (max. %)		0.05	0.05	0.05	0.05	0.05	0.2
Inert matter (max. %)		1	1	2	2	2	
Germination (min. %)	90	87	85	85	85	85	85
Moisture content (max. %)	12	12	12	12	12	12	12

^a Number of seed/kg allowed for pre-basic and basic seed and % contamination for certified seed

NB: Soya bean seed-borne diseases are bacterial pustule, brown stem rot, soya bean mosaic virus, tobacco ring spot and target spot

Ethiopia

Castor

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	100	100	50	50	50	50
Other varieties (max. %)	0.1	0.1	0.2	0.2	0.2	0.5
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	99	98	97	96	96	95
Other crop seeds (max. %)		0.05	0.1	0.1	0.1	0.3
Weed seeds (max. %)		0.06	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

NB: Castor seed borne diseases are bacterial leaf spot (*Xanthomonas picini*), etc

Ethiopia*Ethiopian mustard*

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	1000	1000	600	400	400	400
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	97	95	93	93	93	93
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

Ethiopia*Linseed*

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	1000	1000	600	400	400	400
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	97	95	93	93	93	93
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

Ethiopia*Noug (Guzotia abyssinica)*

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	1000	1000	800	600	600	500
Other varieties (max. %)	0.2	0.2	0.8	0.8	0.8	1
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	97	95	93	93	93	93
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

Ethiopia*Rape seed*

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	1000	1000	600	400	400	400
Other varieties (max. %)	0.2	0.2	0.5	0.5	0.5	0.8
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	97	95	93	93	93	93
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

Ethiopia*Safflower*

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	100	100	50	50	50	25
Other varieties (max. %)	0.1	0.1	0.2	0.2	0.2	0.5
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	99	98	97	96	95	95
Other crop seeds (max. %)		0.05	0.1	0.1	0.1	0.3
Weed seeds (max. %)		0.06	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

NB: Safflower seed borne diseases are *Verticillium arbotrium*, etc

Ethiopia

Sesame

Standards	Seed Classes					
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 C4
Field Standards						
Rotation (min. years)	3	2	1	1	1	1
Isolation (min. meters) ^a	10	10	5	5	5	5
Other varieties (max. %)	0.1	0.2	0.3	0.3	0.3	0.5
Other species (max. %)						
Noxious weeds (max. %)						
Infected plants (max. %)						
Seed Standards						
Pure seed (min. %)	97	95	97	93	93	93
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.4
Infected seeds (max %)						
Inert matter (max. %)		1	1	2	2	2
Germination (min. %)	90	87	85	85	85	85
Moisture content (max. %)	8	8	8	8	8	8

NB: Sesame seed borne diseases are bacterial leaf spot (*Pseudomonas sesami*), bacterial leaf spot (*Xanthomonas sesami*), etc

Ethiopia*Sunflower (hybrid)*

Standards	Seed Classes		
	Breeder	Basic	Certified
Field Standards			
Rotation (min. years)	3	2	1
Isolation (min. meters) ^a	2000	2000	1500
Other varieties (max. %)	0.05	0.05	0.1
Other species (max. %)			
Noxious weeds (max. %)			
Infected plants (max. %)			
Seed Standards			
Pure seed (min. %)	99	98	97
Other crop seeds (max. %)		0.05	0.1
Weed seeds (max. %) ^c		0.06	0.1
Infected seeds (max. %)			
Inert matter (max. %)		1	1
Germination (min. %)	90	85	80
Moisture content (max. %)	8	8	8

NB: Sunflower seed-borne diseases are: *Scloretina sclortium?*, etc

Ethiopia

Oats

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	
Isolation (min. meters)	5	5	3	3	3	3	
Other varieties (max. %)	0.03	0.05	0.1	0.2	0.2	0.3	
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	97	97	95	95	95	95
Other crop seeds (max. %)	0.1	0.2	0.3	0.5	0.5	0.5	1
Weed seeds (max. %) ^c		0.01	0.02	0.05	0.05	0.05	0.5
Infected seeds (max. %)		0.02	0.03	0.05	0.05	0.05	0.1
Inert matter (max. %)	1	2	2	2	2	2	2
Germination (min. %)	85	85	85	80	80	80	80
Moisture content (max. %)	12	12	12	12	12	12	12

Ethiopia*Vetch*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	3	3	3	3	3	3
Isolation (min. meters) ^a	100	100	50	50	50	25	10
Other varieties (max. %)		0.1	0.2	0.4	0.4	0.5	0.5
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	96	96	96	95
Other crop seeds (max. %)		0.1	0.1	0.2	0.2	0.5	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.2	0.3	0.5
Infected seeds (max. %)		0.5	0.2	0.2	0.2	0.2	0.2
Inert matter (max. %)		0.5	1	2	2	2	2
Germination (min. %)	90	90	85	85	85	80	80
Moisture content (max. %)	10	10	10	10	10	10	10

Ethiopia*Tree lucerne*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)							
Isolation (min. meters) ^a	200	200	100	100	100	50	50
Other varieties (max. %)							
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	98	98	97	97	97	95	95
Other crop seeds (max. %)		0.1	0.1	0.2	0.2	0.5	0.5
Weed seeds (max. %)		0.1	0.1	0.2	0.2	0.5	0.5
Infected seeds (max %)							
Inert matter (max. %)		0.5	1	1	2	2	2
Germination (min. %)	70	70	65	65	65	60	60
Moisture content (max. %)	10	10	10	10	10	10	10

Ethiopia*Leucaena*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)							
Isolation (min. meters) ^a	200	200	100	100	50	25	
Other varieties (max. %)							
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	97	97	97	96	96	95	95
Other crop seeds (max. %)		0.1	0.2	0.2	0.2	0.5	0.5
Weed seeds (max. %)		0.05	0.1	0.2	0.2	0.5	0.5
Infected seeds (max %)							
Inert matter (max. %)		0.5	1	1	1	2	2
Germination (min. %)	75	75	70	65	65	60	60
Moisture content (max. %)	8	8	8	8	8	8	8

Ethiopia*Sesbania*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)							
Isolation (min. meters) ^a	200	200	100	100	50	50	
Other varieties (max. %)							
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	97	97	96	96	95	95	95
Other crop seeds (max. %)		0.1	0.2	0.3	0.3	0.5	0.5
Weed seeds (max. %)		0.1	0.2	0.2	0.4	0.4	0.5
Infected seeds (max %)							
Inert matter (max. %)		0.5	0.5	1	1	2	2
Germination (min. %)	70	70	65	65	65	60	60
Moisture content (max. %)	10	10	10	10	10	10	10

Ethiopia*Cotton*

Standards	Seed Classes						
	Breeder/ Pre-basic	Basic	Certified 1 C1	Certified 2 C2	Certified 3 C3	Certified 4 D	Commercial/ Emergency (E)
Field Standards							
Rotation (min. years)	3	2	2	1	1	1	1
Isolation (min. meters) ^a	400	400	200	200	200	100	100
Other varieties (max. %)	0.01	0.02	0.03	0.05	0.05	0.5	0.1
Other species (max. %)							
Noxious weeds (max. %)							
Infected plants (max. %)							
Seed Standards							
Pure seed (min. %)	99	98	98	98	98	97	97
Other crop seeds (max. %)	0.5	0.1	0.3	0.5	0.5	0.5	1
Weed seeds (max. %)		0.2	0.3	0.5	0.5	0.5	1
Infected seeds (max. %)		0.05	0.05	0.05	0.05	0.05	0.2
Inert matter (max. %)	1	1	1	2	2	2	2
Germination (min. %)	85	80	80	75	75	75	75
Moisture content (max. %)	8	8	8	8	8	8	8

Ethiopia*Vegetables*

Crops	Seed Standards					
	Basic		Certified		Commercial	
	Purity (min.)	Germination (min.)	Purity (min.)	Germination (min.)	Purity (min.)	Germination (min.)
	%					
Carrot	95	60	95	60	94	60
Cabbage	98	70	98	70	98	70
Cauliflower	98	65	98	65	97	65
Egg plant	98	70	98	70	98	70
Onion	98	70	98	70	97	70
Lettuce	98	70	98	70	97	70
Pepper	98	60	98	60	98	60
Radish	98	70	98	70	97	70
Tomato	98	70	98	70	98	70
Turnip	98	70	96	70	97	70

NB: Official standards for vegetables were not made available when the catalogue went into press