

## Tunisia

## Wheat, Barley and Oats

Standards	Seed Classes			
	Basic	Certified 1	Certified 2	Standard
<b>Field Standards</b>				
Rotation (min. years)	1	1	1	
Isolation (min. meters)	1	1	1	
Other varieties (max. %)	0.1	0.3	1	
Other species (max. %) <sup>a</sup>	0.0	0.0	0.0	
Noxious weeds (max.)				
Infected plants (max. %) <sup>b</sup>	0.5	0.5	0.5	
<b>Seed Standards</b>				
Pure seed (min. %)	98	98	98	95%
Varietal purity	99.9	99.7	99	
Other crop seeds (max. no/500g)	4	10	10	
Other cereals	1	7	7	
Other species	3 <sup>c</sup>	7 <sup>d</sup>	7 <sup>d</sup>	
Weed seeds (max. %)				
Infected seeds (max. %)				
Germination (min. %)	85	85	85	80
Moisture content (max. %)	12	12	12	
Specific gravity (min.)				
Bread wheat	75	75	75	
Durum wheat	78	78	78	
Barley	55	55	55	
Oats	45	45	45	

<sup>a</sup> Wild oats in oat; and barley in wheat and oat

<sup>b</sup> Loose smut where applicable

<sup>c</sup> Of which maximum 1 (*Raphanus*), 0 (*Avena sterilis*), 0 (*Lolium* spp), 0 (*Phalaris* or *Anethum graveolens*).

<sup>d</sup> Of which 3 (*Raphanus*), 0 (*A. sterilis*), 0 (*Lolium* spp), 0 (*Phalaris* or *A. graveolens*).

**Tunisia***Legumes*

Standards	Seed Classes	
	Basic	Certified
<b>Field Standards</b>		
Rotation (min. years)		
Isolation (min. meters)	500	300
Other varieties (max. %)	0.1	0.3 - 1
Other species (max. %)		
Noxious weeds (max. %)		
Infected plants (max. %)	Trace	Trace
<b>Seed Standards</b>		
Pure seed (min. %)	98	95
Other crop seeds (max. %)	0.5	1
Weed seeds (max. %)		
Infected seeds (max. %)	Trace	Trace
Germination (min. %)	65	65
Moisture content (max. %)	12	12

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### Forage Crops (Field Standards)

#### Varietal purity

Crop	Impurity	Number of plants allowed	
		Basic	Certified 1 & 2
<i>Dactylis glomerata</i> <i>Festuca</i> , Ryegrass, Sparundinacea	<i>Brome</i> , Agropyrum. Other forage grasses, <i>L. rigidum</i>	1/25m <sup>2</sup>	1/5m <sup>2</sup> <sup>1</sup>
Phalaris	<i>Phalaris</i> spp., <i>Rumex</i> spp., <i>Trifolium</i> spp., <i>Medicago</i> spp	1/25m <sup>2</sup>	1/5m <sup>2</sup>
All legume species	<i>Cuscuta</i> <i>Orobancha</i>	0 0	0 1/25m <sup>2</sup>
Annual medics	<i>Melilotus</i> spp		
Medicago sativa	<i>Phalaris</i> spp		
Egyptian clover	<i>Rumex</i>		
Persian clover	<i>Trifolium</i> spp		
Red clover	<i>Medicago</i> spp		
Subterranean clover		1/25m <sup>2</sup>	1/5m <sup>2</sup>
Forage peas	Vetch, Faba bean, Other peas	1/25m <sup>2</sup>	1/5m <sup>2</sup>
	Virus infected plants	1/25m <sup>2</sup>	1/5m <sup>2</sup>
	<i>Pimpinella hedysarum</i>	1/25m <sup>2</sup>	1/5m <sup>2</sup>
Vetch	Pea, Lentil, Other vetches	1/25m <sup>2</sup>	1/5m <sup>2</sup>
Faba bean (small seeded)	Faba, Pea, Vetch, Small seeded faba	1/25m <sup>2</sup>	1/5m <sup>2</sup>
	Virus infected plants	1/25m <sup>2</sup>	1/5m <sup>2</sup>
Other forage spp.	All species and varieties difficult to remove or noxious weeds	1/25m <sup>2</sup>	1/5m <sup>2</sup>

#### Isolation

Crop	Early generation	Basic Seed		Certified Seed	
		1-2 ha	>2 ha	<2 ha	>2 ha
Cross pollinating species	300	200	100	100	50
Faba bean (small seeded)	300	200	100	100	50
Forage pea	300	203	100	100	50

#### Cropping history

Main crop	Restricted crops <sup>a</sup>
<i>Festuca</i> , Sparundinacea	<i>Avena</i> , <i>Bromus</i> , <i>Dactylis</i> , <i>Festuca</i> , <i>Phalaris</i> , Rye grass
Annual medics & <i>Trifolium</i>	<i>Medicago</i> , <i>Melilotus</i> , <i>Tifolium</i>
Sulla	<i>Pimpinella</i> , Sainfoin, Sulla
Pea	Pea, Vetch, Faba bean
Faba bean	Large seed faba, Pea, vetch
Vetch	Lentil, Pea, Vetch

<sup>a</sup> These crops should not be grown (either as monocropping or mixture) for two and three years before including other species or varieties which are difficult to separate.

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## Forage Crops (Seed Standards)

Crop	Seed Standards				
	Purity (min.)	Other crop Seed (max.)	Weeds (max.)	Germination (min.)	Hard seeds (max.)
%					
Barley					
BS	95	3	0.5	80	
CS	95	3	0.5	80	
SS/CMS	95	3	1	80	
Oat					
BS	95	3	0.5	80	
CS	95	S	0.5	80	
SS/CMS	95	S	1	80	
Rye grass					
SS/CS	95	3	1	80	
Sorghum					
SS/CMS	95	3	1	80	
Tall fescue					
BS	95	0.1	0.1	80	
CS	95		4	80	
Faba bean (small seeded)					
BS	97	0.1	0.1	65	20
CS	97	1	0.1	65	20
SS/CMS	95	2	0.5	95	20
Pea					
BS	97	0.1	0.1	85	
CS	97	1	0.1	85	
SS/CMS	95	3	1	80	
Vetch					
BS	97	0.1	0.1	65	20
CS	97	1	0.5	65	20
SS/CMS	95	2	1	55	20

NB: BS=Basic seed; CS=Certified seed; SS=Standard seed; CMS=Commercial seed

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Crop	Seed Standards				
	Purity (min.)	Other crop Seed (max.)	Weeds (max.)	Germination (min.)	Hard seeds (max.)
%					
Egyptian clover					
BS	98	0.1	0.1	60	20
CS	98	1	0.5	60	20
SS/CMS	95	2	1	55	20
Subterranean clover					
BS	95	1	1	70	10
CS	95	2	2	70	10
SS/CMS	85	5		30	40
BS	95	0.1	0.1	35	40
CS	95	1	1.5	35	40
<i>Medicago sativa</i> & annual medic					
BS	98	0.1	0.1	40	40
CS	98	1	0.5	40	40
SS/CMS	90	6	1	50	20
Brassica					
SS/CMS	85	5	5	30	40
Other species					
BS	95	1	1	80	0
CS	95	1	1	80	0
SS/CMS	85	6	5	30	40

1. In basic, certified seed and standard seed no *Avena sterilis* and *Cuscuta* is allowed where applicable. However, if in the first 100g samples one grain is found, but no grain in the second sample the lot will be approved
2. For commercial seed the sample size is 200g
3. For *Festuca* 25g may have a maximum of six grains of other forage grains
4. For lucerne and trifolium in 25g no seeds of other legumes are allowed

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### Vegetables<sup>1</sup>

Crop	Seed Standards		
	Purity (min.)	Other crop seeds (max.)	Germination (min.)
	%		
Asparagus	98	0.5	80
Carrot	95	1	65
Cabbage	97	1	75
Celery	97	1	70
Cucumber	98	0.1	75
Egg plant	96	0.5	65
Lettuce	95	0.5	65
Okra	98	0.5	70
Onion and Leek	97	0.5	70
Melon	98	0.1	75
Pepper	97	0.5	70
Radish	97	1	70
Tomato	97	0.5	75
Water melon	98	0.1	75

<sup>1</sup> For vegetables only seed standards are available