

**TABLE-I**  
**SEED STANDARDS**

**F: Standard for Foundation Class**  
**C: Standard for Certified Class**  
**L: Minimum Limits for Labelling**

Standards and Limits are in Percentage  
Unless Indicated Otherwise

Seed Standards for Foundation and Certified  
Seed Classes and Minimum Limits for germination  
and Purity for Labelling

1 Crops	2 Pure Seed minimum			3 Inter matter (maximum)		4 Other crop seeds*** (maximum)		5 Weed seeds (maximum)		6 Objectionable weed seeds (maximum)		7 **Germination (minimum)			8 Moisture Normal container (maximum) Vapour-proof container			
	F	C	L	F	C	F	C	F	C	F	C	F	C	L	F	C	F	C
Barley	98.0	98.0	97.0	2.0	2.0	10/kg.	0.10	10/kg.	0.10	2/kg.	5/kg.	85	85	75*	12.0	12.0	8.0	8.0
Berseem	98.0	98.0	-	2.0	2.0	0.10	0.50	0.10	0.50	5/kg.	20/kg.	80	80	-	10.0	10.0	7.0	7.0
Castor	98.0	98.0	-	2.0	2.0	None	None	None	None	-	-	70	70	-	8.0	8.0	5.0	5.0
Cotton	98.0	98.0	95.0	2.0	2.0	5/kg.	0.10	5/kg.	0.10	-	-	60	60	65	10.0	10.0	6.0	6.0
Groundnut	96.0	96.0	97.0	4.0	4.0	None	None	None	None	-	-	70	70	70	9.0	9.0	5.0	5.0
Gram	-	-	97.0*	-	-	-	-	-	-	-	-	-	-	75*	-	-	-	-
Lucerne	98.0	98.0	-	2.0	2.0	0.10	0.50	0.10	0.50	5/kg.	20/kg.	80	80	-	10.0	10.0	7.0	7.0
<b>Maize:</b>																		
Inbred	98.0	-	-	2.0	-	0.20	-	None	-	-	-	80	-	-	12.0	-	8.0	-
S. cross	98.0	-	-	2.0	-	0.20	-	None	-	-	-	80	-	-	12.0	-	8.0	-
Hybrids	-	98.0	97.0	-	2.0	-	0.20	-	None	-	-	-	90	80	-	12.0	-	8.0
Composite & Open pollinated variety	98.0	98.0	97.0	2.0	2.0	1.0	1.0	None	None	-	-	90	90	80	12.0	12.0	8.0	8.0
Oats	98.0	98.0	-	2.0	2.0	10/kg.	0.10	10/kg.	0.10	2/kg.	5/kg.	85	85	-	12.0	12.0	8.0	8.0
Paddy	98.0	98.0	97.0	2.0	2.0	10/kg.	0.10	10/kg.	0.10	2/kg.	5/kg.	80	80	70	12.0	12.0	8.0	8.0
Pearl millet (bajra)	98.0	98.0	96.0	2.0	2.0	10/kg.	0.10	10/kg.	0.10	-	-	75	75	70	12.0	12.0	8.0	8.0
Rape & mustard	97.0	97.0	-	3.0	3.0	0.10	0.50	0.10	0.50	0.050	0.10	85	85	-	8.0	8.0	5.0	5.0
Ragi	-	-	97.0*	-	-	-	-	-	-	-	-	-	-	70*	-	-	-	-
<b>Sesamum Sorghum:</b>																		
Hybrid	98.0	98.0	97.0	2.0	2.0	5/kg.	0.10	5/kg.	0.10	-	-	80	80	70	12.0	12.0	8.0	8.0
Open-pollinated variety	98.0	98.0	97.0	2.0	2.0	5/kg.	0.10	5/kg.	0.10	-	-	80	80	70	12.0	12.0	8.0	8.0
Soyabean	97.0	97.0	96.0	3.0	3.0	None	0.050	5/kg.	0.10	-	-	70	70	70	12.0	12.0	-	-
Teosinte	98.0	98.0	-	2.0	2.0	0.50	0.10	None	None	-	-	80	80	-	12.0	12.0	-	-
Wheat	98.0	98.0	97.0	2.0	2.0	10/kg.	0.10	10/kg.	0.10	2/kg.	5/kg.	85	85	80	12.0	12.0	8.0	8.0
Clusterbean	98.0	98.0	-	2.0	2.0	0.10	0.20	None	None	-	-	70	70	-	9.0	9.0	-	-
Cowpea	98.0	98.0	97.0*	2.0	2.0	None	0.050	None	0.10	-	-	75	75	70*	9.0	9.0	-	-
Dolichosbean	98.0	98.0	-	2.0	2.0	None	None	None	0.10	-	-	75	75	-	9.0	9.0	7.0	7.0
Frenchbean	98.0	98.0	-	2.0	2.0	None	None	None	0.10	-	-	75	75	-	9.0	9.0	7.0	7.0
Gardenpea	98.0	98.0	96.0*	2.0	2.0	None	0.050	None	None	-	-	75	75	70*	9.0	9.0	8.0	8.0
Cabbage	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.050	0.20	-	-	70	70	65*	7.0	7.0	5.0	5.0
Cauliflower	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.050	0.20	-	-	65	65	60*	7.0	7.0	5.0	5.0
Chinese cabbage (heading & non-heading)	98.0	98.0	-	2.0	2.0	0.050	0.10	0.050	0.20	-	-	70	70	-	7.0	7.0	5.0	5.0

Knol-kohl	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.050	0.20	-	-	70	70	65*	7.0	7.0	5.0	5.0
Amaranthus	95.0	95.0	-	5.0	5.0	0.10	0.50	0.10	0.20	-	-	70	70	-	8.0	8.0	6.0	6.0
Lettuce	98.0	98.0	-	2.0	2.0	None	None	0.050	0.20	-	-	70	70	-	8.0	8.0	6.0	6.0
Kasurimethi	98.0	98.0	-	2.0	2.0	0.050	0.10	0.10	0.20	0.10	0.10	70	70	-	8.0	8.0	-	-
Methi	98.0	98.0	96.0*	2.0	2.0	0.050	0.10	0.10	0.20	0.10	0.10	70	70	65*	8.0	8.0	-	-
Gardenbeet	96.0	96.0	-	4.0	4.0	0.10	0.20	0.10	0.20	-	-	60	60	-	9.0	9.0	8.0	8.0
Spinachbeet (palak)	96.0	96.0	93.0*	4.0	4.0	0.10	0.20	0.10	0.20	-	-	60	60	55*	9.0	9.0	8.0	8.0
Carrot	95.0	95.0	94.0*	5.0	5.0	0.050	0.10	0.10	0.20	-	-	60	60	55*	8.0	8.0	7.0	7.0
Beet root	-	-	94.0*	-	-	-	-	-	-	-	-	-	-	55*	-	-	-	-
Onion	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.10	0.20	-	-	70	70	65*	8.0	8.0	5.0	5.0
Radish	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.10	0.20	-	-	70	70	65*	6.0	6.0	5.0	5.0
Turnip	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.10	0.20	-	-	70	70	65*	6.0	6.0	5.0	5.0
Brinjal	98.0	98.0	97.0*	2.0	2.0	None	None	None	None	-	-	70	70	65*	8.0	8.0	6.0	6.0
Capsicum	98.0	98.0	-	2.0	2.0	0.050	0.10	0.050	0.10	-	-	60	60	-	8.0	8.0	6.0	6.0
Chilli	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	0.050	0.10	-	-	60	60	55*	8.0	8.0	6.0	6.0
Okra (bhindi)	99.0	99.0	98.0*	1.0	1.0	None	0.050	None	None	None	None	65	65	60*	10.0	10.0	8.0	8.0
Tomato	98.0	98.0	97.0*	2.0	2.0	0.050	0.10	None	None	-	None	70	70	65*	8.0	8.0	6.0	6.0
<b>Cucurbits:</b>																		
Cucumber	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Bittergourd	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Bottlegourd	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Ridgedgourd	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Spongegourd	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Snakegourd	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Indian squash	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Longmelon	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Muskmelon	99.0	99.0	98.0*	1.0	1.0	0.050	0.10	None	None	None	None	60	60	65*	7.0	7.0	6.0	6.0
Watermelon	99.0	99.0	98.0*	1.0	1.0	0.050	0.10	None	None	None	None	60	60	65*	7.0	7.0	6.0	6.0
Pumpkin	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Summersquash	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Wintersquash	99.0	99.0	-	1.0	1.0	0.050	0.10	None	None	None	None	60	60	-	7.0	7.0	6.0	6.0
Jute	97.0	97.0	-	3.0	3.0	20/kg.	0.10	20/kg.	0.10	-	-	80	80	-	9.0	9.0	7.0	7.0
Mesta	98.0	98.0	-	2.0	2.0	20/kg.	0.10	20/kg.	0.10	-	-	80	80	-	8.0	8.0	-	-
Sunnhemp	97.0	97.0	-	3.0	3.0	5/kg.	0.10	0.10	0.20	-	-	80	80	-	10.0	10.0	-	-

Note:

1. – denotes that the standard has not been prescribed.
2. \* denotes that the standard has been recommended by the Central Seed Committee but official notification has not been issued as yet.
3. Seed standards for “Other distinguishable varieties” have been prescribed for some crops as given below:

Crop	Seed standard for other distinguishable varieties (maximum) (%)	
	F	C
Soyabean	0.10	0.50
Dolichos bean	0.10	0.20
Garden pea	0.10	0.50
Lettuce	0.10	0.20

Methi	0.10	0.20
Bitergourd	0.10	0.20
Ridgedgourd	0.10	0.20
Cowpea	0.10	0.20
Frenchbean	0.10	0.20
Amaranthus	0.10	0.20
Kasurimethi	0.10	0.20
Carrot	0.10	0.20
Cucumber	0.10	0.20
Bottlegourd	0.10	0.20
Spongegourd	0.10	0.20
Indian squash	0.10	0.20
Musk melon	0.10	0.20
Pumpkin	0.10	0.20
Snakegourd	0.10	0.20
Lon melon	0.10	0.20
Water melon	0.10	0.20
Summer squash	0.10	0.20
Winter squash	0.10	0.20

4. The minimum levels of germination for labelling in cotton, musk melon and water melon are higher than the corresponding standards for foundation and certified classes, because the labelling minima in cotton, musk melon and water melon are based on the 1969-70 standards for certification. With the revised Minimum Seed Certification Standards of 1971 taking effect these labelling minima for germination in cotton, musk melon, and water melon will be lowered by the Central Seed Committee in due course.
5. \*\*denotes that germination includes hard seeds in the case of berseem, Lucerne, soyabean, cluster bean, cowpea, dolichos bean, kasuri methi, methi, okra and sunnhemp.
6. \*\*\*denotes that other crop seeds includes other distinguishable varieties in the case of maize.
7. Germination percentage in the case of groundnut is for hand-shelled kernels.