

## Importance of good seed variety selection:

- Locally adapted varieties.,
- Higher genetically purity:
  - Breeder /Nucleus - 100%
  - Foundation seed - 99.5%
  - Certified seed - 99.0%
- Higher physical purity for certification
  - Maize , Bhendi - 99%
  - All crops ( most) - 98%
  - Carrot - 95%
  - Sesame, soybean & jute - 97 %
  - Ground nut - 96 %
- Possession of good shape, size, colour, etc., according to specifications of variety
- Higher physical soundness and weight
- Higher germination ( 90 to 95 % depending on the crop)
- Higher physiological vigour and stamina
- Higher storage capacity
- Free from other crop seeds ( expressed in number /kg
- Free from objectionable weed seeds.
- Free from designated diseases -

<b>Crop</b>	<b>Designated disease</b>
Wheat	Loose smut
Sorghum	Grain smut, Kernel smut
Mustard	Alternaria blight
Pearl millet	Grain smut, Green ear Ergot
Sesame	Leaf spot
Brinjal	Little leaf
Chilies	Anthracnose leaf blight, Leaf blight
Cucurbits	Mosaic
Cowpea	Anthracnose
Bhendi	Yellow vein mosaic
Potato	Brown rot , Root knot nematode
Tomato	Early blight, Leaf spot

- Optimum moisture content for storage - Long term storage - 6 - 8 %, Short term storage - 10 - 13%.
- High market value.
- Ensures uniform growth and maturity