

Annexure – 9

1. Protocol for storage of groundnut pods to improve shelf life

Groundnut seeds are very sensitive to deterioration during storage mainly due to their chemical composition and moisture content. Drying of pod to safe moisture content and storage in cool and dry conditions plays a vital role in prolonging shelf life of groundnut pod.

Hence, to maintain viability during storage of groundnut seeds, the following storage technology is recommended for adoption.

- The pods should be dried to a moisture content of 8% and should be stored in gunny bag along with Calcium Chloride @ 250 g per 30 kg of pods.
- The Calcium Chloride @ 250 g per 30 kg of pods should be tied in a muslin cloth and hanged inside from the lid of perforated plastic container.
- The plastic container with Calcium Chloride should be kept upright (vertical) position in the center of gunny bag containing groundnut pods.
- The gunny bag should be tied or stitched firmly using jute thread and kept in upright position.



Precaution

Since Calcium Chloride is anhydrous desiccator, it absorbs moisture from the surrounding environment which will be collected in the bottom of plastic container. Hence, the water collected in the plastic container should be periodically disposed off / emptied at regular interval to avoid re-absorption of moisture by the seeds.

- In case of non-availability of calcium chloride, the pods should be dried to a moisture content of 6% and should be stored in super grain bag and tied air-tight, which is considered as a hermetically sealed moisture resistant container. The super grain bag with seeds should be placed inside the gunny bag and stored.

