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## SACLOB (Airtight Storage of Rice Seeds)



Saclob is a locally developed flexible container, equipped with a simple sealing mechanism, where bags of rice seeds are placed during storage.

A storage method wherein the stored product is placed in an airtight container. Also called as hermetic storage

The air inside the container is isolated from that of the outside environment hence its condition is significantly altered as seeds respire.

### How does Airtight Storage work

Studies in the past show that properly dried seeds can be preserved for a long time as long as the following conditions are met:

- A low seed MC is maintained
- A low oxygen-high carbon dioxide atmosphere is maintained.

In hermetic storage, a low oxygen-carbon dioxide atmosphere is created through the natural respiration of the seeds and of any insect present.

### Why develop SACLOB?

- Low MC is maintained throughout the whole storage duration.
- Insect infestation is prevented. Insects that are already with the seeds would eventually die because of lack of oxygen.

