

Technology Profile : RC Seed Bin

Seed storage problem had been considered to be the bottleneck in developing a seed programme in the north eastern hill region. Seed moisture and temperature are the main factors affecting seed storability. Under north eastern hill ambient conditions, normally seeds could be stored for not longer than one off-season i.e., 8 months period. Temperature and moisture not only lower the seed physiological quality, but also have direct impact on the seed storage microflora and insects. The prevailing conditions under north eastern region, thus favour rapid seed deterioration during storage. With this background, RC-Seed Bin, a low cost seed storage structure has been developed to avoid the risk of losing the seed/germplasm due to crop failures and save from additional cost of seed production besides safeguarding the varietal purity.

TECHNOLOGY

RC Seed Bin

BENEFITS

- * Low cost technology
- * Medium term storage of seed
- * Easy to fabricate with locally available materials
- * Less space requirement
- * Easy to manage
- * Safely retain the physiological health and qualities for 20-32 months in all the orthodox class of seeds
- * Suitable for all the orthodox seeds like rice, maize, peas, wheat, pulses and vegetables etc.
- * Can be used up to 10-15 years with proper care

CAPACITY

80-100 Kgs

RAW MATERIALS

Bamboo bin, Gunny bags, Polythene bag (700 μ), Charcoal and Self-indicating Silica Gel (Optional)

PRODUCTION COST

Approx. ₹ 3000/- per RC Seed Bin

