



Technical Sheet

Drying Beads®

A technology for seed and/or product drying. Drying has always been one of the most difficult processes and is considered to be a very big issue in the seed, postharvest, commodity and food world. The drying procedures can be very basic to very delicate process; any mishap during the process can result in low seed quality such as reduced quality aspects such as a lower germination, vigor and shelf life of seeds.

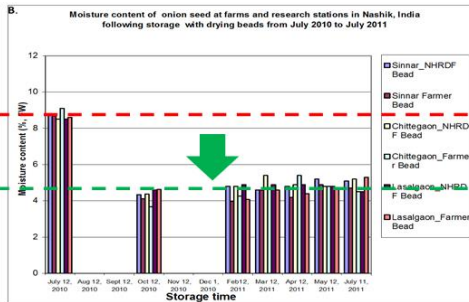
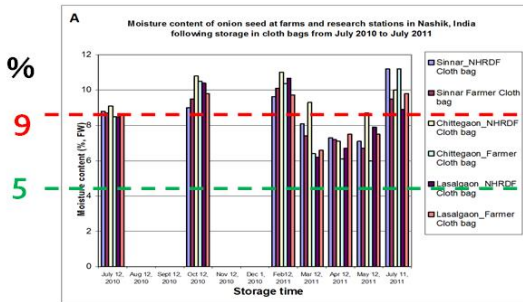


Drying Beads® Technology
 Very hygroscopic, fast water absorption even in low relative humidity conditions
 Strong water binding at 20-25% of its weight
 Full reactivation at high temperature – 230°C / 450F for 2 hours

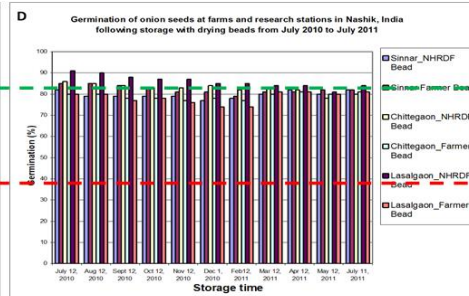
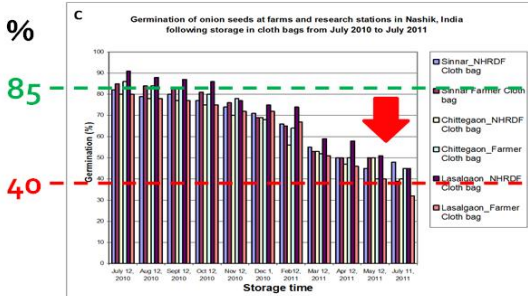
Open bags

With beads

Stored for 1 year by farmers



→ Seed MC reduced by 4% with beads.



→ Germination decreased by 45% in open bags.

Courtesy of Dr. Keshavulu Kunosoth

Features

- Specific pore size for water
- Low cost and high efficiency
- Fast drying seeds with no heat input
- Storage and Drying at any temperature
- Practical Drying Beads full reactivation
- Completely renewable, green and sustainable

Benefits

- Best desiccant available and it greatly expands all drying applications
- Higher performance and much longer lifetime than other desiccants
- Maximizes seed viability and shelf life
- Substantial savings when compared to cold storage
- No losses of capacity after reactivations
- Non-toxic, food grade

Considerations for Drying Beads:

- Maximum sun drying is often insufficient for storage
- Sun drying is not possible during rainy season
- Losses due to rodents, insects and birds
- Deterioration of quality and nutritional value
- Fungal infections & mycotoxins, health risks
- Humidity has a negative impact on temperature tolerance



For further questions, please do not hesitate to contact us

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