



## Welcome to our Presentation About Drying Beads & Relative Products



#### **Drying Beads**

Modified Ceramic materials( aluminum silicates or Zeolites) that specifically absorb and hold water molecules very tightly in their microscopic pores.

Drying Beads

- > Absorb water 20 to 25%
- Remove water from air





#### Benefit

- > Best desiccant available and greatly expands all drying application.
- > Higher performance and much longer lifetime than other desiccants.
- > Maximizes seed viability and shelf life.
- > No losses of capacity after reactivation.
- Non-toxic, food grade

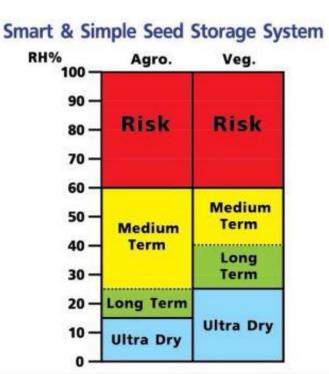






 Dry store can be widely utilized for seed drying , seed storage, anti-moisture, anti-insect.
Show RH & Temperature.
DryStore Box size are available 1.6L or 8.4L or 16L.













# DrumDRY 50L, 100L and 200L are available



















### The dry-chain concept

The equivalent of cold chain, but then focused on grain, seeds and other dry products.

Use sun drying were appropriate and benefit from the right dry periods if possible



Use additional drying if necessary to bring the moisture below the desired MC (<35% eRH for preventing insects

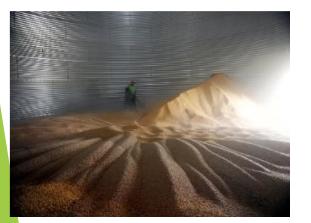


Make sure to pack the product moist proof such as bags with liner, plastic containers, tin cans...



Keep the commodities perfectly sealed during transport and/or storage.











Do not insufficiently dry your commodities, or store moist products even for a short period

Do not pack dried commodities in non waterproof packaging, such as woven plastic, jute bags... Do not open packaged seeds for a certain period as they will reabsorb moisture very fast. Do not give insects and fungi a chance to develop, keep your product dry and save



# Drying Beads being used in the Grain seed & Vegetable Seed.



















#### Storage drum used for hot drying beads to cool.



Beads Cool Drum 50L, 100L and 200L

#### At Present Drying Beads Using

- Metal Seed Limited
- Lal Teer Seed Limited
- Bangladesh Agricultural Development Corporation (BADC)
- Bangladesh Agricultural Research Institute (BARI)
- Bangladesh Rich Research Institute (BRRI)

#### The Dry Chain Concept

# Make it DRY Keep it DRY

By Ing. Johan Van Asbrouck and Dr. Kent Bradford





## Thank you