

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**Pakistan Agricultural Research Council  
National Sugar and Tropical Horticulture Research Institute  
Thatta**

**Planting of Sugarcane Through Bud Chip Technology**

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# Sugarcane Bud Chip Technology



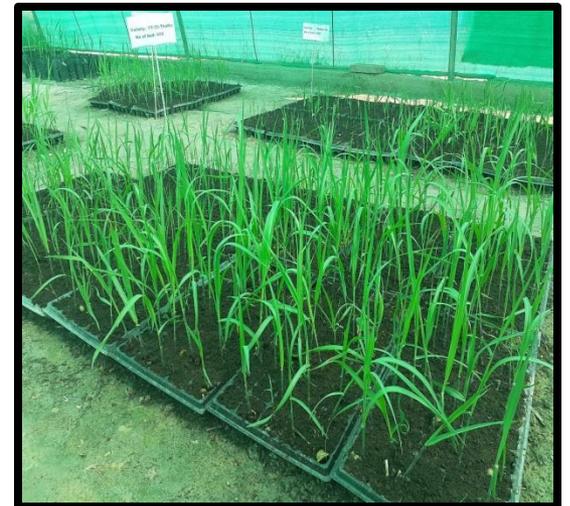
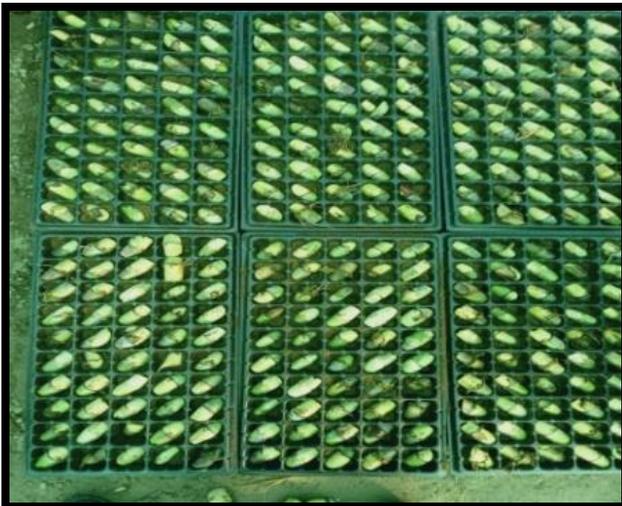
# Benefits of Bud Chip Technology

- Source of achieving healthy and pure seed.
- Maintains the original purity of the cane varieties.
- Saving of seed cost and quantity.
- More germination with good and equal crop stand.
- Maintains required plant population.
- More number of millable canes.
- Easy transportation of seed.
- Easy interculturing, weeding and hoeing.
- Gape filling in ratoon crop.
- Rapid seed multiplication of newly approved sugarcane varieties.
- Harnessing of genetic potential of sugarcane varieties.
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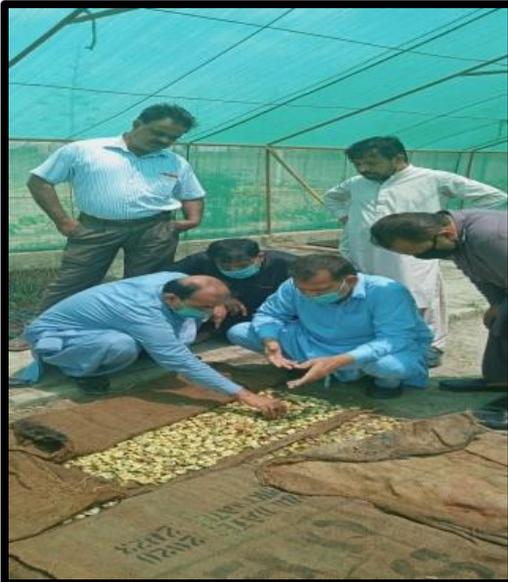
# Nursery Development Through Bud chip Method



# Direct Nursery



# Nursery by Pre-Sprouted Buds



# Transplantation of Nursery Seedlings in the Field



# Transplantation of Seedlings in the Field Through *Sugarcane Seedling Transplanter*

- In order to facilitate and improve the process of sugarcane seedling transplanting to the field, PARC-NSTHRI has got developed a modern machine *“Sugarcane Seedling Transplanter”*
- Introduced first time in Pakistan.
- Plants bud chip nursery in the field at the fixed distance (plant to plant distance 1.5 feet and row to row distance 4 feet).
- Plants one acre area within one hours time duration.
- Very easy to operate.
- Saves time and effort.

# Transplantation of Seedlings in the Field through Sugarcane Seedling Transplanter





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*Thanks*