

Tractor Operated Planter for sugarcane Bud Chip Settlings Raised in Portrays

Utility

Sugarcane bud settling planting is a new method of sugarcane planting and is gaining popularity. In this technique, the bud along with a portion of the nodal region is chipped off and planted in raised bed nurseries / portray / polybags filled with FYM or press mud, soil and sand at 1:1:1 proportion. Seed material required under this technique is only 1 to 1.5 t/ha and the remaining cane after taking bud chips can be sent for milling/jaggery purpose. It also facilitates easier handling and transportation.



Specifications & Performance results		
Power source, kW	:	26 kW or above, Tractor
Weight	:	590 kg
Row spacing	:	2 rows, 900, 1200, 1500 mm (Adjustable)
Plant spacing in rows, mm	:	300, 450, 600 (Adjustable)
Type of metering mechanism	:	Horizontal disc indexing mechanism
Furrow opener and closer	:	Shoe type furrow opener, Wheel type furrow closer
Working width, mm	:	1350 - 1800 (Adjustable)
Depth of planting, mm	:	20 - 100 (Adjustable)
Field capacity, ha/h	:	0.10 - 0.20

Benefits over conventional/traditional practices

- Sugarcane bud settling planting is a new method gaining popularity.
- Seed material required under this technique is only 1-1.5 t/ha.
- Remaining cane after taking bud chips can be sent for milling /jaggery.
- Facilitates easier handling and transportation.

Design: ICAR-Sugarcane Breeding Institute, Coimbatore

Commercialization Status: Commercialized

Contact:

- Director, ICAR-Sugarcane Breeding Institute, Coimbatore - 641 007.
Off: 0422 - 2472621 (Ext: 203), 0422-2473971, E-mail: director@sugarcane.res.in; director.sbi@icar.gov.in.