



## Sugarcane Single Bud Cutter

### Utility

Sugarcane Single Bud Cutter a cost-effective cutting tool for detaching uniform size mini single bud setts. Planting sugarcane crops with pre-germinated settling plants is the best solution for improving seed health, seed multiplication ratio, and uniformity in plant population, which ultimately assures higher sustainable crop yield."Quatro Sugarcane Single Bud Cutter" has bagged design patent "Design No. 297432" from the Patent Office of India.



Specifications & Performance results		
Power source	:	1.5 kW electric motor
Cost, Rs	:	35,000-40,000/-
Operating slots	:	4 (one person per slot)
Distance between cutting blades, mm	:	45
Per hour movement of cutting slots	:	2,400 x 4 = 9,600
Per hour detachment of single bud setts	:	7,200 (with 75% efficiency)

### Benefits over conventional/traditional practices

- Nearly 2,400-2,500 single bud sets can be detached by four persons each using one bud cutter. But using this machine in an hour 7000-7500 single buds can be detached without getting tired.
- For settling up settling nursery entrepreneurship in a rural area, this machine is very effective and cost-effective.

**Design:** ICAR-SBI, Karnal

**Commercialization Status:** Commercialized

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