



Tractor Operated Garlic Harvester for Raised Beds

Utility

Garlic harvesting is one of the most laborious and time-consuming operation. The garlic bulbs are difficult to harvest manually under black cotton soil conditions. A tractor operated garlic harvester is suitable for harvesting of onion and garlic crop sown on raised beds.



Specifications & Performance results		
Working width, mm	:	1200
Power source, kW	:	Tractor (30 or higher)
Blade type	:	Triangular point blades
Cutting disc type and size	:	Two plain cutting discs of 400 mm diameter
Depth of operation, mm	:	60-80
Forward speed, km/h	:	2.0-2.5
Effective field capacity, ha/h	:	0.18-0.22
Field efficiency, %	:	70-72
Digging efficiency, %	:	94-98
Cost of machine, Rs.	:	60000 /-
Cost of operation, Rs./ha	:	3500-3800

Benefits over conventional/traditional practices

- 60-70% saving in harvesting cost and 90-95% saving in labour as compared to traditional harvesting.

Design: ICAR-CIAE, Bhopal

Commercialization Status: Ready for commercialization

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