

Bullock Operated Lug Wheel Puddler

Utility

It is suitable for preparing seedbed for transplanting paddy through shallow puddling and levelling of puddled soil and also to uproot the weeds. It consists of rolling lug wheel, float, operator seat with point on frame and beam. When the puddler is operated it disperses soil into water and puddles the field. Two passes of the puddler is adequate to develop the puddle bed.



Specifications & Performance results		
Power source	:	A pair of bullocks
Weight, kg	:	90
Working width, mm	:	1200
Cost of equipment, Rs.	:	7,500
Operational speed, km/h	:	1.25-1.50
Working depth, mm	:	50-100
Field capacity, ha/h	:	0.10
Field efficiency, %	:	60-70
Draft, N	:	650
Cost of operation, Rs./ha	:	800-1000

Benefits over conventional/traditional practices

- Two passes of the puddler are adequate to prepare the puddle bed.
- Higher field capacity and better puddling index can be achieved
- Two passes of lug wheel puddler saves 50% time and 60% cost of puddling per ha compared to 6 passes of traditional comb harrow puddler.

Design: ICAR-CIAE, Bhopal

Commercialization Status: Commercialized

Contact:

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