



4 - Row Manual Drum Seeder

Utility

Drum paddy seeder is suitable for sowing sprouted paddy seed in puddled field. It is light weight pulling machine and it is very easy to handle. It gives uniformity in seed sowing and line sowing and permits mechanical weeding. It reduces the manual effort and helps farmers to maximize their output. Each seed drum has two rows of planting. Two drums can be assembled to form 4 rows of sowing. Adjustable floats are provided for easy operation under puddled field condition.



Specifications & Performance results		
Power Source	:	One person
Weight, kg	:	10
Number of drums	:	2
Number of rows	:	4
Row to row spacing, mm	:	200
Shape of the seed drum	:	Hyperboloid
Diameter of the drum, mm	:	200
Working width, mm	:	600
Diameter of the ground wheel, mm	:	500
Effective field capacity (ha/h)	:	0.03

Benefits over conventional/traditional practices

- Reduces seed rate by 60-65% as compared to broadcast seeding.
- Uniformity in seed sowing and plant population.
- Optimum seed rate can be achieved.
- Crop matures 7-10 days earlier than the transplanted paddy.
- Light in weight and easy to handle.

Design: ICAR-NRRI, Cuttack

Commercialization Status: Commercialized

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