

## CAGE WHEEL FOR TRACTION IMPROVEMENT IN POWER TILLER

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**Abstract:** Cage wheel is important traction improvement device in wet puddle soil condition. In India rice is important crop for crop production and produced first crop as well as second crop where required puddle field condition. During the field operation with machine no. of losses such as trafficability of the surface layer is very poor, increased energy consumption, fuel consumption, soil hardpan, plant debris etc. The cage wheel, in particular, provides a floating effect to the power tiller in wet paddy fields, in addition to puddling the soil. Use of suitable cage wheel allows well puddle condition and energy saving operation in wet land.

**Keywords:** Cage wheel, Traction, Sinkage, Slippage, Drawbar power

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