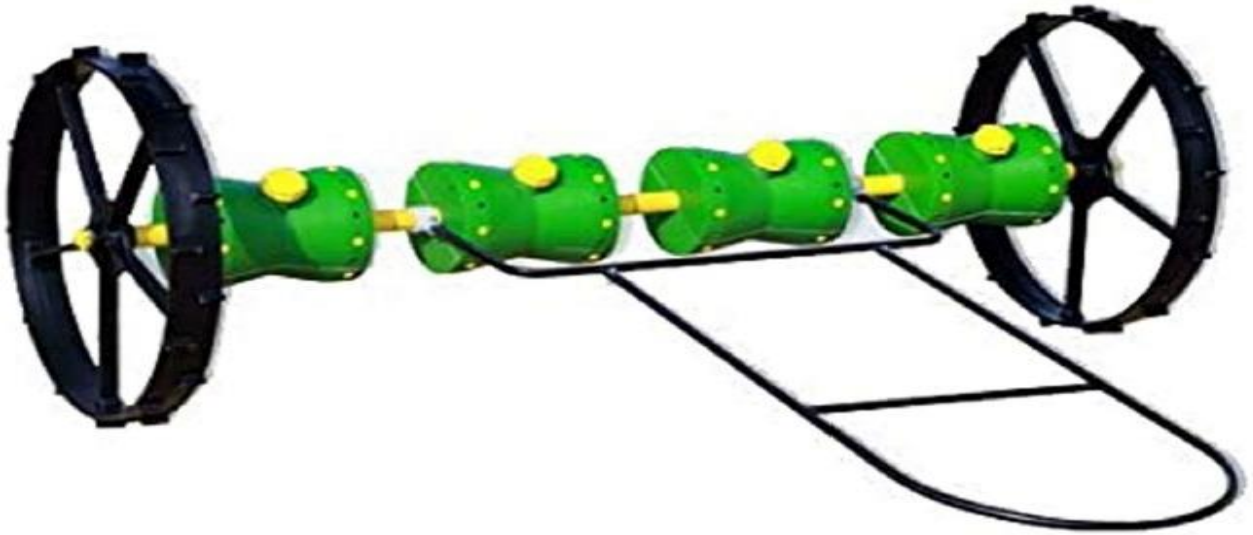


DRUM SEEDER



Product Features

The **Paddy Drum Seeder** is a highly efficient agricultural tool designed to streamline rice cultivation by enabling the direct sowing of sprouted seeds into puddled wetlands. Its primary advantage is the **drastic reduction in labour costs**, as it eliminates the need for traditional nursery preparation and the manual transplanting of seedlings. By ensuring **uniformity in seed sowing** and maintaining an optimal plant population, the device promotes better crop health while eliminating the wasteful practice of continuous seed drilling. Additionally, it significantly reduces the seed rate and associated thinning costs, making it a cost-effective solution for modern farmers.

Beyond cost savings, this seeder offers significant operational and harvest benefits. The equipment is **lightweight and easy to handle**, allowing a single operator to cover an area of **one hectare in just one day**. One of its most notable advantages is that the crop typically **matures 7–10 days earlier** than traditional transplanted paddy, allowing for faster field turnover. Built with durable plastic materials and designed for simple maintenance, the Drum Seeder is an essential tool for improving productivity and time management in paddy farming.

Credentials

- Extensive field trials conducted by agricultural universities show an **82% field efficiency** rating.
- Trials indicate that direct-seeded crops using this tool often show a **10–14% yield increase** compared to traditional manual transplanting due to better root aeration and reduced transplanting shock.
- The product follows the recommended specifications for direct sowing to eliminate labour shortages and improve water use efficiency by up to **35%**.

Specifications

| Feature | Specification |
|------------------------------------|---|
| Power Source | Hand operated |
| Row to row spacing | 250 mm |
| Shape of the seed drum | Hyperboloid |
| Number of rows | 6 rows |
| Diameter of the drum | 200 mm |
| Diameter of the seed metering hole | 8 mm (± 1 mm) |
| Number of seed metering holes | 6 Nos |
| Weight of the unit | 9.3 Kg |
| Type of ground wheel | Lugged wheel |
| Diameter of the ground wheel | 600 mm (approx.) |
| Operating speed | 1 Km per hr (Walking speed) |
| Level of filling the seed drum | Half volume |
| Volume weight of seed drum | 700 grams |
| Material used | PP CP |
| Seed consumption | 15 kg per hectare |
| Field Coverage | 1 Hectare per day |
| Seed preparation | 24 hrs soaking in water & 12 hrs incubation |