



Self-Propelled Vertical Conveyor Reaper (Walk Behind Type)

Utility

Self-propelled vertical conveyor reaper is suitable for harvesting and windrowing cereals and oilseed crops such as rice, wheat, soybean etc. During forward motion of the reaper, crop row dividers divide the crop, which comes in contact with cutter bar, where shearing of crop stems takes place. The cut crop is conveyed to one side of the machine by the conveyor belt fitted with lugs and is windrowed in the field. The crop is bundled manually and transported to threshing yard.



Specifications & Performance results:		
Power source, kW	:	4.47 kW diesel engine
Weight, kg	:	245
Cost, Rs	:	1,00,000/-
Field capacity, ha/h	:	0.2-0.25
Field efficiency, %	:	65-70
Fuel consumption, l/h	:	0.75-0.8
Total losses, %	:	1.0-1.5 (Paddy), 3.0-4.0 (Soybean)
Cost of operation, Rs/ha	:	1,000/-

Benefits over conventional/traditional practices

- Self-propelled reaper offers labour saving of 131 man-h/ha i.e., almost 75% labour saving compared to conventional.
- The saving in labour results in almost 40% saving in cost of operation

Design: ICAR-CIAE, Bhopal

Commercialization Status: Commercialized

Contact:

- M/s Field Worthy Equipments, Ahmadabad, Phone: +91-79-25716031, +91-9826392070
- M/s Swathi Industries, Coimbatore, Phone: +91-79-47130345
- M/s Fine Fabrication Works, Bhopal, Tel: 0755-4251574
- Director, ICAR-CIAE, Nabi Bagh, Berasia Road, Bhopal 462038, Tel: 0755-2521134; Email: directorciae@gmail.com