



Pedal-cum-Power Operated Double Screen Cleaner-Grader

Utility

It is pedal or electric motor operated equipment to separate dust, dirt, stones, straw, chaff etc. and grade the cereals and pulses. The cleaning of the grains is taking place through air blowing of light impurities while the grading through sieving of different sizes. It consists of main frame, hopper, feeding mechanism, sieve box, scalping and grading sieves, eccentric unit centrifugal blower, bicycle drive unit etc. The sieves provided in sieve box may be replaced as per the type of grains.



Specifications & Performance results		
Power source	:	0.375 kW single phase electric motor
Weight, kg	:	100-110
Cost, Rs.	:	20000/-
Labour requirement, man-h/t	:	4
Output capacity, kg/h	:	Power operated: 900 Pedal operated: 600
Screen effectiveness, %	:	Power operated: 80 Pedal operated: 78
Cost of operation, Rs/t	:	75/-

Benefits over conventional/traditional practices

- Capacity enhancement over manual operation.
- Reduces drudgery.

Design: ICAR-CIAE, Bhopal

Commercialization Status: Commercialized

Contact:

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