

ICAR CIAE NRCB Continuous feed banana fibre extraction equipment

Utility

Banana fibre is extracted from banana pseudostem by removing the non fibrous tissues and other plant parts from the fibrous bundles. The fibre extraction can be done either by hand extraction or by the use of mechanical extraction

The mechanical extraction is usually carried out by power operated raspader. But many of these machines are not very suitable, due to high impact force coming of the fibre to be extracted, leading to lower recovery and also breakage of the fibre. At present there are many models of banana fibre extraction equipment. Even the scutcher wastes can also be utilized for making vermicompost. In 8 hours, the machine can extract 15 -18 kg of dry fiber.



Specification and working features		
Field capacity	:	0.06 ha/h
Field efficiency	:	85% at forward speed of 1.2km/h
B:C ratio	:	2.12

Design: ICAR-CIAE, Bhopal

Commercialization Status: Commercialized

Proposed stakeholders: Banana growers, Custom hiring operators and manufacturers

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