



Consolation Award

Sunflower Seed Extractor

Lakhanlal Patel
Raigarh, Chhattisgarh

Lakhanlal (41) joined farming along with his father and brother immediately after completing his class 10th examination. He now owns 10 acre of land wherein he cultivates sunflower, coriander and groundnut crops.

The farmers in his village faced difficulty in extracting the seeds of sunflower due to the shortage of manpower. They grew sunflower at a large scale but were unable to get good return while selling sunflower without extracting seeds. Lakhanlal enquired about machines available for the

purpose but found them to be costly and out of reach of farmers like him. Therefore he started developing low cost machine for separating seeds from sunflowers at a minimal cost. He successfully developed and tested a prototype in his field.

The sunflower seed extractor is powered by a 1 hp motor and has a series of rubber belts as beating unit, which strikes the sunflower, resulting in its deseeding. Its capacity is 40 kg/h with deseeding efficiency > 95% and percentage damage < 1%. It costs Rs. 21,000/-.

