

Mechanized Threshing Operations

Efficient Threshing for Productive Farms

Mechanized Threshing Operations is equipment used to separate seeds or grains from harvested plants. It utilizes small petrol engines to process seeds and grains rapidly, offering a significant improvement in efficiency.



ImaraTech
Alfred Chengula

Technology from

[ProPAS](#)

Commodities

Common bean

Sustainable Development Goals



Categories

Prevention & storage, Equipment,
Post-harvest handling

Best used with

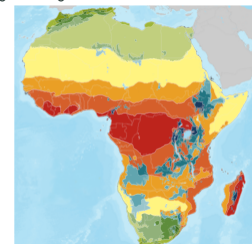
- [Hermetic Bags for Safe Storage of grain >](#)

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



This technology is **TAAT1 validated**.



Scaling readiness: idea maturity: 8/9; level of use: 8/9

50 %

Threshing cost reduced

225 kg per hour

Maize processing



No formal IP rights

Problem

- Manual threshing methods are inefficient, requiring approximately four hours of work to recover 100 kg of seed.
- Reliance on manual labor for threshing may limit agricultural productivity and efficiency.
- Limited availability or access to multi-crop threshers may hinder the processing of diverse crops.

Solution

- Different types of crops can be processed based on the screen mesh used in the thresher.
- Mechanized threshing is labor-efficient, processing 150 to 500 kg of saleable product per hour, depending on the crop.
- Processing times vary based on the size of the seed, with smaller seeds being processed more rapidly.

Key points to design your business plan

The mechanized threshing operations technology offers significant benefits to both fleet managers and users (farmers).

- Sourcing equipment from countries known for manufacturing or distributing mechanized threshers,
- Identifying efficient transportation methods and storage facilities, assessing costs, and enhancing fleet management with tools like the Hello Tracteur app.
- Additional considerations include operator charges and potential import duties and taxes when sourcing the technology from various countries.

Gender assessment



Climate impact



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<https://taat.africa/iow>

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