

Combine Harvesters for Wheat and Fleet Management tool

Efficient Harvesting, Smarter Fleet Management

The combine harvester is a modern agricultural machinery designed to perform multiple harvesting operations as threshing, gathering, and winnowing, all in a single process. Available in various sizes, its suitable for crops like wheat, maize, rice, soybean, barley, sunflower, and more.



Combine harvester operating in Sudan

International Center for Agricultural Research in the Dry Areas (ICARDA)
Zewdie Bishaw

This technology is **TAAT1 validated**.

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

Cost: \$\$\$ 12,000—500,000 USD
 Unit of combine harvesters

35 %
 Reduced harvest losses

56—63 USD
 harvesting unit cost per Ha

IP
 Unknown

Technology from
ProPAS

Commodities
Maize, Rice, Wheat, Soybean

Sustainable Development Goals

Problem

- Traditional manual harvesting is time-consuming and demands significant labor.
- Conventional threshing methods are slow and risk potential grain loss.
- Manual separation of grain from chaff is inefficient, leading to impurities.
- Older methods may have limited capacity, resulting in slower operations.

Solution

- Combine harvesters automates the harvesting process, reducing the need for manual labor.
- Its offers threshing mechanisms, minimizing grain loss during harvesting.
- Its incorporate separation technologies, ensuring effective grain separation and reducing impurities.
- Help to increases harvesting capacity.

Key points to design your business plan

The Combine harvesters and fleet management technology cater to the interests of resellers, fleet managers, and users (farmers).

- They all benefit by addressing farmers' needs to reduce crop losses,
- contributing to global nutrition and empowering diverse farming communities.
- The Hello Tracteur app optimizes fleet management.

Categories
Harvest, Equipment, Land preparation

Best used with

- [Contract mechanization apps >](#)

Tested/adopted in

- Tested & adopted
- Adopted
- Tested

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

Target groups
Farmers

Gender assessment 4

 Climate impact 6 1