

TAAT e-catalog for dev partners

Combine Harvesters and Fleet Management

Efficient Harvesting

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.





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

Technology originally documented by

ProPAS

Commodities

Maize, Rice, Wheat, Soybean

Sustainable Development Goals





Categories

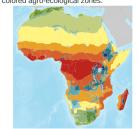
Harvest, Equipment, Mechanized farming

Tested/adopted in



Where it can be used

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



Target groups

Farmers

This technology is **TAAT1 validated**.



8/9; level of use 8/9

Gender assessment



Climate impact





Problem

- · Traditional manual harvesting is timeconsuming 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 project

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.
- Costs vary based on technology size, ranging from 12,000 USD for small units to 500,000 USD for large units. The Hello Tracteur app optimizes fleet management.



Cost: \$\$\$ 12,000—500,000

35 %

Reduced harvest losses

USD Unit of combine harvesters

56-63 USD

harvesting unit cost per Ha

||IP

Open source / open access

