

TAAT e-catalog for government

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.





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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

Combine harvesters and fleet management offer transformative solutions to challenges in traditional grain harvesting by minimizing yield losses. Integrating this technology involves:

- Evaluating unit sizes and costs, considering sources.
- · Training, communication support, and
- Collaboration with agricultural institutes.

Cost: \$\$\$) 12,000—500,000

USD

Unit of combine harvesters

56-63 USD

harvesting unit cost per Ha

35 %

Reduced harvest losses

∏IP

Open source / open access

