



ELIMINATING FOOD WASTAGE TO MITIGATE CLIMATE CHANGE

**ORIGO COMMODITIES
HAS REDUCED FOOD
GRAIN WASTAGE BY
3 MILLION TONNES,
REDUCING CARBON
DIOXIDE EMISSIONS
BY 2.3 MEGA
TONNES.**

Agriculture in India, has always been the most crucial occupation, primarily due to the large size of our population. For a country with over 1.3 billion citizens, agriculture and related occupations not only ensure food security, but also provide livelihood to 58% of the population*.

Despite witnessing steady progress in farm production and practices, the agricultural sector has mostly been under the scanner for its weak value chain and enormous post-harvest losses. These losses are not just limited to highly perishable items such as fruits and vegetables. Grains, an integral part of Indian staple diet, also suffer huge wastage in post-harvest operations. Food grains are not only the source of major nutrients, but also serve as the most accessible food item, especially for the underprivileged. Grain wastage adversely impacts our nation's food security, productivity, well-being and economic growth.

However, the repercussions are much more severe than the obvious. Besides hampering food availability in a nation as large as ours, post-harvest losses also cause severe and long-lasting damage to the environment.

* [India Brand Equity Foundation](#)

POST-HARVEST LOSSES AND ITS IMPACT ON CLIMATE

Agriculture is an intensive occupation that requires not only financial resources but also utilizes significant amounts of natural resources. Food production itself is responsible for one-quarter of global greenhouse gas emissions. Additionally, any amount of post-harvest losses, not only contribute to resource wastage but also add to harmful emissions. Such lapses in the agricultural value chain pose serious threat to food security and the environment.

Moreover, it is also important to note that the adverse impact of food losses on the climate is not a one-way process. Food wastage harms the environment and creates extreme weather conditions, which in turn deteriorates soil health and productivity. This vicious cycle puts a huge stress on the agri ecosystem.

ONE-QUARTER OF FOOD EMISSIONS COME FROM FOOD THAT IS NEVER EATEN. OF THIS, 15% OF THE EMISSIONS ARE FROM FOOD LOSSES IN THE SUPPLY CHAIN. ACCORDING TO FAO, OF ALL FOOD CATEGORIES, GRAINS ARE THE HIGHEST CONTRIBUTOR TO THE CARBON FOOTPRINT.

Source: [Our World in Data](#)



ORIGO'S ENDEAVOUR TO REDUCE ADVERSE EFFECTS ON CLIMATE

For over a decade, Origo Commodities has been dedicatedly working to eliminate post-harvest losses in the agricultural value chain. Origo endeavours to contribute to sustainable development, with a strong emphasis on eliminating food wastage, thereby reducing adverse impact on the environment.

Our focus areas are:

Strengthening the value chain

One of the primary reasons for a weak value chain is the presence of several intermediaries. This not only hampers better price realization for growers, but also results in multiple rounds of handling of produce, leading to quality deterioration and wastage.

Origo has established a strong network of suppliers across India. By removal of intermediaries, we strive to bridge the gap between suppliers and buyers, aiding quality retention and reduction in food losses.

Timely procurement and logistics support

The longer the harvested produce is left unattended, higher are the chances of its damage. Quality cannot be improved after harvest, but only be maintained. With its strong network and expertise, Origo ensures direct farmgate procurement, making it quick and effective. Our quality assaying services and logistics support helps proper segregation, packaging and transport of commodity in the best possible manner.

Promoting scientific storage

Lack of proper storage facility is a primary concern in the post-harvest operations. Nothing damages harvested produce as fast as open and improper storage, that exposes the commodity to fungus, moisture, pollution and insect infestation. This can damage huge quantities of produce in no time.

Origo's extensive warehousing network provides storage space across India, facilitating longer shelf-life and preventing commodity wastage. With scientific techniques, Origo ensures zero wastage compared to an average of 10% losses** in the post-harvest supply chain.

** Indian Grain Storage Management & Research Institute

KEY FACTORS CONTRIBUTING TO ORIGO'S ROBUST MECHANISM



Extensive Outreach

Origo is present in 12 states across India and has a strong network suppliers and buyers.



Rural Expertise

We have been closely working with the rural community for the last 10 years. We also have a strong team of agri professionals



Strong Warehouse Network

Origo has more than 650 warehouses across various states.



Latest Technology

Our system integrates blockchain technology for easy traceability and adherence to SOPs.

THE RESULTS HAVE BEEN ENCOURAGING

With an extensive outreach, in-depth understanding of the rural ecosystem and comprehensive solution strategy, Origo has earned a reputation as a trustworthy service provider in the post-harvest segment. Since its inception, Origo has steadily expanded its capacity to handle agricultural commodities and has significantly reduced food losses. Till date, we have managed over 25 million tonnes of commodity and reduced food grain wastage totaling to 3 million tonnes. This has effectively brought down approximately 2.3 mega tonnes of CO2 emissions.

ORIGO IS COMMITTED TO PROMOTING A SUSTAINABLE APPROACH TO AGRICULTURE THAT EMPOWERS STAKEHOLDERS IN THE VALUE CHAIN AND ALSO REDUCES STRESS ON THE ENVIRONMENT. BY ELIMINATING FOOD LOSSES IN THE SUPPLY CHAIN, WE STRIVE TO MITIGATE CLIMATE CHANGE AND CREATE A BETTER WORLD FOR FUTURE GENERATIONS.

