

RECP Best Practice Catalogue

Organic waste valorization

*Developed within the framework
of MED TEST II*



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Organic waste valorization

SECTOR:	Food & Beverage
SUBSECTOR:	Manufacture of dairy products
PRODUCTS	Processed cheese in portions, spread and sachets
CATEGORY	Technology upgrade/Eco-innovation
APPLICABILITY	Utilities
COMPANY NAME	---
COMPANY SIZE	Medium

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Description of the problem (Base scenario):

Currently, all product off-spec and returned product from market due to damage, expiry date,...etc are collected in a place, then a specific quantity of solar is poured on them before burning. The residues are disposed to landfill. This process is accomplished in the presence of a committee from Ministry of Health and Ministry of Supply and internal trade in order to ensure it will not be reused for humans. This process generated bad emissions to the environment and at the same time; the organic waste contains high content of protein that could be reused as animal feed.

Description of the solution

It is suggested to collect this waste and send it to cattle feed processing companies to extract its protein content.



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Economic Benefits	Saving in materials is about 19.15 ton/year. Material cost saving is 44,045 Euro/y.
Environmental Benefits	Saving in materials will be about 19.15 ton/year. In addition to avoiding bad air emissions from solar incineration of these off-spec products.
Capital investments & financial indicators	No investments are required for implementing this initiative. Expected pay back period is immediate.
Suppliers	Local suppliers
Other aspects	The company is afraid from misuse their wasted products.
Implementation	The company is searching for local companies specialized in cattle feed processing to investigate the disposal method of their off-spec products.

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Replicability sectors

The same concept can be replicated in:

Dairy industry.

Any other food industry that dispose its off-spec and market returns without valorization.

Aspects to investigate for replicability

Amount of off-spec market returns per year.

Useful resources
