

RECP Best Practice Catalogue

Improve the quality of jar labels to save water
Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



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Best Practice - Improve the quality of jar labels to save water

SECTOR:	Food & Beverage
SUBSECTOR:	Manufacture of other food products
PRODUCTS	Ketchup
CATEGORY	Good Housekeeping
APPLICABILITY	Utilities
COMPANY NAME	---
COMPANY SIZE	Medium

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Description of the problem (Base scenario):

The labeling machine of the jars utilizes excessive amount of water and chemicals to get off the glue and wrong cut labels, caused by poor quality label supply.

As high quality labels have a longer delivery time, low quality labels are used to respond to unforeseen rises in demand.

Description of the solution

A twofold solution is suggested to first regularly control the sharpness of the cutting knives and furthermore the supplier of the labels should be contacted to improve the quality of labels, Otherwise the supplier shall be replaced. This shall save resources and time as better quality labels can be in case of wrong cutting removed easier.

Another benefit is the more appropriate design in terms of spacing between labels. Lastly it is suggested to order a larger amount of stock to solve the issue of delivery time.

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Economic Benefits	Saving = €8,000/year from water (€800/year), lost labels and glue (€3,200/year), and labour (€4,000/year)
Environmental Benefits	1 m ³ /day of water; $\approx$ 300 m ³ /year (32% of water used for Clean-Out-of-Place)
Health and safety impact	---

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Capital investments & financial indicators	Investment= None, just larger stock of high quality labels Payback period= immediately
Suppliers	---
Other aspects	---
Implementation	Implemented.