

RECP Best Practices Catalogue

Improved curd yield

Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Improved curd yield

SECTOR:	Food & Beverage
BRANCH:	Manufacture of dairy products
CATEGORY	Process control or modification
APPLICABILITY	Process
COMPANY SIZE	40 full-time employees



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TEST Training kit

Best Practice - Improved curd yield

Description of the Problem (Base Scenario):

The curd yield is not optimised
A strong demand for milk is thus triggered to reach the production targets

Description of the Solution

Most cheese factories in Europe use a CaCl_2 solution to improve yield and optimise curd quality.
The solution is added with rennet. The recommended quantities are 5 - 20 g CaCl_2 /100 kg milk.

Best Practice - Improved curd yield

Economic Gains	Total economic gain: € 80,000/year
Environmental Gains	Water gain: - Energy gain: - Material gain: 20 tons/year (5%) Pollution reduction: 2.4 tons BOD5/year (3%), 4 tons/year COD (3%)
Safety and Quality Impact	Better Quality Product

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Capital Investments & Financial Indicators	Investment € 400/year Time for Return on Investment: Immediate
Supplier Information	Local Supplier
Other Aspects	-
Implementation	Action carried out