



Funded by the European Union



Advancing resource efficient and cleaner production in Moldova

The RECP methodology

Resource Efficient and Cleaner Production (RECP) is the integrated and continuous application of preventive environmental strategies to **processes, products, and services** to increase efficiency and reduce risks to humans and the environment. RECP is all about producing with fewer resources while minimizing environmental impacts and increasing overall productivity. For **Small and Medium-Sized Enterprises (SMEs)**, the RECP methodology can effectively lower production costs whilst improving the SMEs' competitive advantage and applying environmentally friendly practices. RECP is also an effective tool to introduce and promote Circular Economy principles among SMEs.

“FABRICA DE SĂNĂTATE” LTD - JUICE PRODUCTION



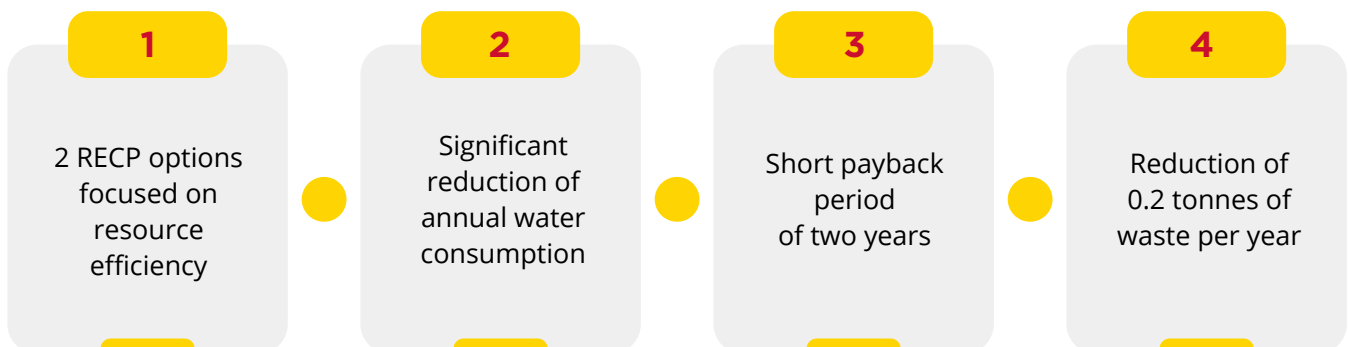
Company overview

Location: Bubuieci
No. of employees: 2
Main markets: Moldova
Founding year: 2021
Key products: wheatgrass juice concentrate



“Fabrica de Sănătate” is a producer of wheatgrass juice concentrate derived from environmentally-friendly wheat grains. The process involves germinating the grains until the sprouts reach a specific height, after which they are cut to collect the juice. The result juice appears in a thick, concentrate form and it is later stored in freezers. The products are sold to health food stores, and marketed online via social media. The company's future plan is to increase its production volume. Motivated to recycle waste and reduce the amount of water needed for hydroponics, the company participated in the RECP Clubs programme under EU4Environment (2019-2024). This publication shows the company's experience reported after the monitoring exercise conducted in 2021-2024.

BENEFITS FROM IMPLEMENTING RECP OPTIONS



Action implemented by:



The project's approach

The RECP assessment examined the production site and identified several RECP options, out of which the following two were prioritised by the company.

RECP Option 1. Reducing water consumption: This measure consists of implementing controlled water dosing, aligned with the recommendations for wheat sprout cultivation. This would ensure optimal support for the specific growth phase of the sprouts, maintaining the required temperature and humidity. It would also result in a 50% reduction in water consumption.

RECP Option 2. Composting the worn out germinated grains and the wheat sprout cakes: This measure consists of purchasing storage and composting tanks, along with bacteria that would be used for composting the waste generated from the used germinated grains and wheat sprout cakes. This would significantly reduce waste and provide another source of income by selling the compost on the market.

SAVING ACHIEVEMENTS

Main RECP actions

OPTION 1	Reducing water consumption
OPTION 2	Composting the worn out germinated grains & wheat sprout cakes

Economic key figures

RECP OPTIONS	INVESTMENT (EUR)	SAVINGS (EUR/YR)	PAYBACK PERIOD (YR)
Option 1:	/	75	/
Option 2:	200	100	2

Resource savings

RECP OPTIONS	WATER (M ³ /YR)/%
Option 1:	60/50
Option 2:	/

Total pollution reduction

RECP OPTIONS	WASTE (TONNES/YR)
Total:	0.2

“ Our company joined the project to reduce water consumption and the generation of waste. Thanks to the RECP Clubs programme, we learned how to analyse the efficiency of our resources throughout the production process. As our company plans to increase the production volume and product range, the RECP project has inspired us to come up with new ideas and approaches regarding the implementation of RECP measures in the upcoming future, said the company director, Mr. Denis. ”

The introduction of RECP has been part of the EU-funded EU4Environment Action and executed by UNIDO. In this context, **Fabrica de Sănătate** joined the RECP Clubs programme to be monitored under EU4Environment. Follow-up visits have also been conducted to check on the implementation of the recommended RECP options. EU4Environment helps the EU's Eastern Partnership countries preserve their natural capital and increase people's environmental well-being by supporting environment-related action, demonstrating and unlocking opportunities for greener growth, and setting mechanisms to better manage environmental risks and impacts. For more details, visit: www.eu4environment.org

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