

Cleaner Production in Jordan

Fact Sheet: Jordan Valley Food Industrial Co. Amman, Jordan



What is Cleaner Production?

Cleaner Production (CP) is the continuous application of an integrated, preventive strategy to processes, products and services to increase efficiency and reduce risks to humans and the environment.

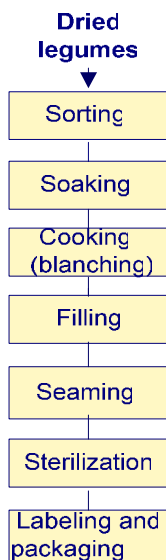
In this fact-sheet the results achieved from the CP In-plant Assessment in Jordan Valley Food Industrial Co. are summarized. The information shall serve to demonstrate how CP can be implemented in industries in Jordan.

General Information



Company	Jordan Valley Food Industrial Co.
Sector	Food industry
Products	Broad beans, chickpeas in brine, green peas, tomato paste, kidney beans, green peas & carrots, fava beans with chick-peas, mixed vegetable, hummus tahina, musabaha, baba ghanouge.
Market	65 % National market, 35 % global such as Canada, Germany, USA, United Arab Emirate and Russia.
Employees	75 (20 administration, 55 production).
Management Systems	ISO 9001-2000, HACCP certificate and has an approval of the US-FDA

Production



Processes	The major steps are: Sorting, Soaking, Cooking, Filling, Seaming, Sterilizing, Labelling and Packaging.
Raw Materials	Dried legumes, water, salt, empty can.
Energy Sources	Diesel, Electricity.
Wastes And Emissions	Wastewater, Solid waste (remnants of dried legume, cans).

CP Program

The CP program comprised capacity building and in-plant application in a modular form in addition to experts mission. A joint team from RSS CP Unit and the Company worked cooperatively to implement CP assessment for the company. The work included detailed company visits, identifying and evaluating CP options, implementing a number of options and setting an action plan for the follow up of CP at the company.

Company Statement

By participating with the cleaner production program, Jordan Valley Food Industrial Company enhanced its productivity by following and implementing the suggested options from the cleaner production team.

Mr. Mohammad Alsoudi, General Manager

Results



Insulation of sterilizer using rock wool and aluminium foil (implemented CP measure)

Those are some benefits gained from the implementation of the CP options and measures:

- Reduction of manufacturing costs.
- Improve competitiveness.
- Quality improvement.
- Improvement of work environment.
- Reduction of environmental impacts.

Some results obtained are described in the table below.

Option	Environmental benefits	Economic savings		
	Water, materials or energy consumption reduction [Unit/yr]	Savings [JD/yr]	Investment [JD]	Payback [years]
Option 1 – Minimize energy losses By Insulating all steam pipes, brine cookers, and sterilizers.	48300 L of diesel / year	15200	5500	0.36
Option 2 – Reduce water consumption By Installing water saving devices on tabs (jets, flow reducers etc.)	710 m ³ of water / year	1100	35	0.03
Option 3 – Reduce energy consumption in cookers By putting covers over hummos cookers.	3000 L of diesel / year	945	No investment	
Option 4 – Reduce load on softner By Using hard water to soak hummus instead of soft water.		255	No investment	

Contacts & Partners



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