

COMPANY NAME

Aceites Las Heras



CHALLENGE SHEET

CHALLENGE CODE

10.1- Aceites Las Heras

TITLE

Optimization of the use of olive mill wastes.

DESCRIPTION

HOW COULD WE

Exploitation of waste from the production of extra virgin olive oil, such as alperujo and waste water. How? By extending the mill's activity to a new process: the drying of alpeorujo, valorizing a waste that currently generates problems and expenses, into a by-product that contributes to improving our industry's profit and loss account.

The alperujo (also known as alpeorujo) is a by-product obtained through a continuous two-phase extraction system. It is a mixture of alpechines (water, organic matter and a small portion of minerals) and pomace (solid part of the olives, i.e., a mixture of pits, skins and pulp), which can be used after a drying process, as fuel, as fertilizer or to make compost.

The large amount of olive pomace generated in olive oil production (approximately four tons for each ton of oil) requires the development of new sustainable management alternatives.

To produce quality organic fertilizers for self-consumption, reusable in the organic olive/vineyard farms themselves, since they bear the high costs of using fertilizers produced from "clean" raw materials from organic agricultural and livestock farms.

Or, failing that, the reuse of by-products in another activity/sector that brings us an interesting economic profitability.

SELECTION CRITERIA

TARGET INDICATORS

REQUIREMENTS

- That the solution increases the added value of the waste.
- That it complies with sustainability and circularity criteria.
- That it facilitates waste management.
- That the waste management process is improved by avoiding production bottlenecks.

- Production cost improvement indicator.
- Indicator of waste profitability improvement.
- Carbon footprint reduction indicator.

In the case of internal reuse, the products to be used in the solution process must be organic (ecological). Compatible with CAECV regulations.

CHALLENGE TYPOLOGY

✓ Process

Technology

Business

✓ Product

KEYWORDS

Circular Economy