

Valuation in the ginger value chain: Extraction of essential oil from ginger roots (rhizomes)

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Introduction

World's demand of ginger is constantly increasing. The demand for ginger oil has estimated at 517.68 tons. This demand predicts to succeed in 4,212 tons by the year 2022.

Problem statement and Value chain affected

Togo's national production is still insufficient. The gap is filled by imports from other countries in the sub-region. Despite insufficient production, losses occur all along the chain since some players are not even able to sell their products to maintain production.

Solution approach

Organization and Processing in the value chain



Implementation steps

- Organization of producers into groups
- Training of producers in agro ecological practices
- Collection and group purchase from ginger producers
- Installation of ginger essential oil extraction structure
- Marketing of the oil on the local and international market

Objectives

Promote the ginger sectors by :

- Encouraging the emergence of cooperatives and networks of ginger producers
- Setting up a ginger oil extraction structure for the commercialization of essential oils on the local and external market

Expected costs / Results

- Ginger and collect cost : 1000 €
- Oil extraction structure cost: 10000€
- Bottles pack: 500 €
- Distribution :500 €

SWOT

Strengths

- Existence of demanded ginger in all markets
- Organic and ecological production
- Creation of income-generating activities

Opportunities

- Quality and organic label
- Strong demand for essential oil on the local and international market

Weakness

- Low quantity to ensure a regular market
- Insufficient information on the sector (production, price)

Threats

- Unconventional synthetic product competition
- High costs of extraction machine
- Price fluctuation

Possible risks

- Lack of support for the project
- Unconventional synthetic product competition
- High costs of extraction machine



Expected outcomes

- Community development
- Reduced ginger postharvest loss
- Emergency of ginger producer groups
- Increase adoption of organic production
- Ginger oil extraction structure
- Commercialization of essential oils on the local and external market

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