



## Project Outline

### Chuta® nuts: the upcoming superfood!

- Chuta® nuts have **remarkable protein contents** and excellent amino acid composition.
- Chuta® is **rich in unsaturated fatty acids** which are considered "good fats".
- Chuta® has especially **high amounts of essential omega-6** polyunsaturated fatty acids.
- Chuta® is **low in carbohydrates** and sodium.
- It is **rich in minerals** such as calcium, phosphorus, potassium, magnesium and zinc.
- No nut allergens have been found in Chuta®.

CHUTA® Nutrition Facts for 100 g of roasted CHUTA Kernels:	
Calories	2739 kJ / 663 kcal
Fat	59.2 g
of which saturates	11 g
Carbohydrates	2.3 g
of which sugars	1.8 g
Fiber	8 g
Protein	26.1 g
Salt	< 0.01 g
Minerals	4.6 g
<b>High Energy – Low Carb</b>	
<small>Source: Jatrosolutions GmbH</small>	

Figure 1: Nutritional value of roasted Chuta®.

### An interesting crop and innovative investment

Chuta® is an edible variety of *Jatropha curcas* L. originating from Mexico and has caught the attention of many food handlers in Europe, thanks to its **unique nutritional composition** (Figure 1) and its market potential as a **new superfood**. Chuta® will be brought to the European market once the corresponding authorities finish the assessment of the novel food application submitted by Jatrosolutions GmbH.

Chuta® plants are **drought-resilient perennial shrubs** that grow in tropical and subtropical regions. Its cultivation has a **harvesting potential of up to 20 years**, achieving its first full-yield in the third year after planting.

Chuta® also has beneficial effects on the environment, since it can significantly improve soil conditions, **reduce soil erosion** and contribute to **reforestation** of areas affected by drought.

The post-harvest process of Chuta® is relatively simple and similar to that of other nuts (Figure 2).



Figure 2: Overview of the post-harvest process of Chuta®.



## Profitability

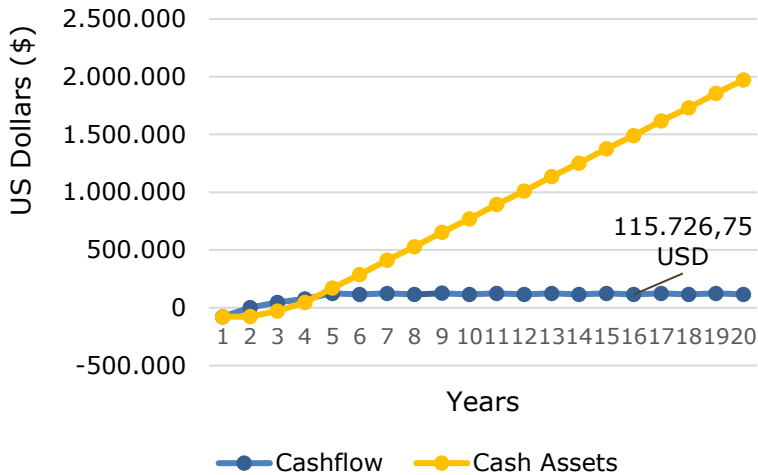


Figure 3: Rentability of Chuta® per 50 ha. Chuta® is a perennial crop with increasing yielding capacity throughout the years.

Assumptions for rentability	
Producer Price (USD/ton)*	\$ 1.710
Plants (per ha)	1.250
Grain yield (ton/ha)	2
Farm size (ha)	50
Average Costs (USD/ha/year)	\$ 1.020
Average Income (USD/ha/year)	\$ 2.993

\*Depending on the exchange rate: here corresponding to EUR 1.500/ton.

## Why Chuta® makes a difference

As a multi-purpose plant, Chuta® contributes to:

- Rural development.
- Food security, by producing an alternative vegetable protein source.
- Poverty alleviation.
- Creation of jobs for young generations and thus reduction of migration.
- Additional income generation for farmers through the development of new markets for agricultural products.
- Women empowerment.



Figure 4: Chuta® plantations offer jobs in rural areas of developing countries.

## Get in touch with our experts!

Don't wait any longer, become a front-runner Chuta® producer and start your own project now!

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