

# Protocols for the production of snacks from Lupinus

BOLIVIA / CHILE / ECUADOR



*L. angustifolius*

*L. mutabilis*  
Dulce

Webstory



## The technological solution

Promote the development of technological innovations to strengthen the resilience of production systems through the insertion of lupine and contribute to improving the livelihoods of farmers in the Andean region.



## Description

Protocols for the production of roasted lupinus using the three species (*L. angustifolius*, *L. albus*, *L. mutabilis*) with different flavors. Drying and roasting temperatures and times were tested, qualifying the color, odor, taste and texture of the product.



## Results

- New technologies have been generated to improve lupine productivity.
- Families that sell lupine receive an additional profit (10% more) compared to the traditional market.
- Lupine products are used as substitutes for milk and meat in certain regions.

**+500**

Farmers benefited

**7**

Workshops

**4**

Publications

ABOUT FONTAGRO

FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which is its legal representative.

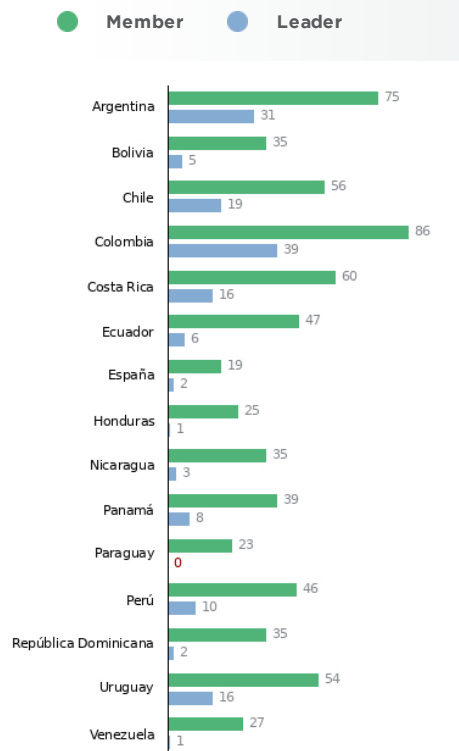


ORIGIN OF RESOURCES



- **Counterpart contribution**  
93.177.555
- **FONTAGRO**  
28.989.468
- **IDB**  
9.922.700
- **Other agencies**  
9.809.078

PARTICIPATION AND ROLE IN CONSORTIUMS SINCE 1998



FONTAGRO IN NUMBERS

**193** Number of projects approved

**141.9** Approved total amount US\$  
MILLONES

**9.8** Contribution from other agencies  
MILLONES

**32** Benefited countries

**63** Generated technologies

**15** New technologies for ALC

**8** Technology of global relevance

MEMBER COUNTRIES

- |            |                    |           |          |
|------------|--------------------|-----------|----------|
| Argentina  | Bolivia            | Chile     | Colombia |
| Costa Rica | Dominican Republic | Ecuador   | Honduras |
| Nicaragua  | Panama             | Paraguay  | Peru     |
| Spain      | Uruguay            | Venezuela |          |