

Lupinus mutabilis debittering technique

BOLIVIA, CHILE, ECUADOR



Webstory



Technological solution

The main obstacle to the direct use of lupinus in human consumption is the presence of quinolizidine alkaloids, which are toxic and have a bitter taste, which is why it is necessary to apply a debittering process prior to their use.



Technological description

Improvement of the artisanal process in reducing debittering time by adding sodium chloride to the cooking water, controlling the temperature and agitating the washing water.



Impacts and 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

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