



Lupine: rediscovering its origins, trajectory and future potential

Lupine, an ancient crop of the high Andes, has important advantages as quality proteins and soil improvement capacity. It has had little development outside its production niches, however, this will change -without a doubt- in the very short term.



United States / Argentina / Costa Rica / Mexico / Bolivia / Chile / Colombia / Dominican Republic / Honduras / Nicaragua / Panama / Paraguay / Peru / Spain / Uruguay / Venezuela / Ecuador

Lupine: a revolution in the food industry?

The implemented initiative

The Technology Transfer Mechanisms and Climate Networks in Latin America and the Caribbean program, co-financed by FONTAGRO and the Global Environment Facility (GEF), promotes environmentally appropriate technologies that contribute to reducing greenhouse gases and vulnerability to climate change in the context of family agriculture. A project that has aroused interest is the revaluation of lupine – a “forgotten” crop- which

has been conducted by the PROINPA Foundation in Bolivia, the Institute of Agricultural Research (INIA) of Chile, and the National Autonomous Institute of Agricultural Research (INIAP) of Ecuador. This Lupine Roadmap discusses the current crop context, points out limitations and proposes specific actions to resolve them.

Goal: lupines of higher quality and productivity

The technological solution

The objective is to propose a roadmap for the escalation of production and processing of lupine species in Bolivia, Chile and Ecuador. The initiative was designed on a participatory fashion by specialists from INIAF and PROINPA in Bolivia, INIA-Chile and INIAP-Ecuador, it is based on the results of a GEF-funded project through

FONTAGRO. The proposed roadmap has three components: diagnosis of the limitations in each country, description of the goals, description of the proposed actions and enabling conditions to achieve them.

Synergistic and complementary actions required for the future development of lupine



Orientada a la continua generación y mejoramiento de las tecnologías y variedades, a la evaluación *ex-ante* del efecto de estas tecnologías y al monitoreo y evaluación del impacto de innovaciones en la población y agro-ecosistemas objetivo.

Orientadas a apoyar la adopción y escalamiento del cultivo de lupino como TAR.

Necesaria para fortalecer los conocimientos, aptitudes y habilidades de todos los actores, en particular capacitadores, extensionistas y productores

Todo el proceso de la implementación de la hoja de ruta será documentado y publicitado como herramienta de sociabilización del potencial del lupino como TAR.

Necesaria para promover la formulación de políticas y normas que habiliten la adopción del cultivo de y el fortalecimiento de su cadena de valor.



3 groups of limitations defined, one for each country (Bolivia, Ecuador and Chile)



3 group of goals defined, one for each country (Bolivia, Ecuador and Chile)



5 actions defined to meet the goals established in the road map: research; extension; training; knowledge management and policy incidence.

Results

This roadmap opens a window of opportunity for a historically relegated crop that has great potential to contribute to the economic, nutritional and environmental improvement of the region's production systems, for the following reasons:

- The growing interest of the countries involved, to which Peru and Mexico could join.
- The accumulation of scientific information and

technological advances achieved, among others, by the participants in the FONTAGRO project.

- The need to strengthen the use of Environmentally Sound Technologies (TAR) in family farming.
- The need to improve the nutrition of vulnerable populations.
- The market potential of lupine as food for people and animals.

MÁS INFO



Main donors



Participating Organizations

