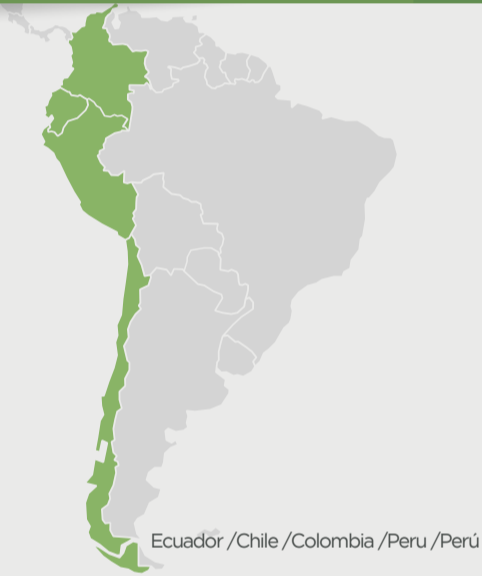




# Protecting the Potato: Innovation and Knowledge Against the Potato Purple Top Complex in the Andean Region

The project addresses the Potato Purple Top Complex. A regional assessment will be conducted, detection methods will be optimized, and management strategies will be developed, aiming to reduce losses and costs in the crops.



A comprehensive collaboration to strengthen sustainable potato production in the Andean Region

## Initiative

The project focuses on managing the Potato Purple Top Complex (CPMP) in the Andean Region, a pest that severely impacts production. Its objectives are to strengthen the diagnosis and management of CPMP through a regional assessment, optimization of molecular detection protocols, and dissemination of knowledge about management practices. These efforts

aim to reduce pesticide use, lower production costs, and mitigate environmental impact. The project involves collaboration among experts from Ecuador, Peru, Colombia, and Chile, along with various institutions and producer associations. Through this initiative, the goal is to improve the quality of potato seed and ensure the sustainability of its production in the region.

The proposal aims to develop molecular detection protocols and train technicians and farmers in integrated management of CPMP, promoting sustainable agricultural practices in potato production.

## Tech solution

The technological solution of this proposal focuses on the development and optimization of molecular detection protocols for pathogens causing the Potato Purple Top Complex (CPMP). Additionally, it aims to strengthen knowledge about best practices for integrated pest management, combining biological and cultural approaches to reduce pesticide dependence. The project also includes training for technicians and

farmers in these new methodologies, ensuring effective knowledge transfer to stakeholders in the value chain. Practical guides and educational materials will be developed to promote sustainable management strategies. Through these actions, the project aims to mitigate the impact of CPMP on potato production and foster more efficient and environmentally friendly agricultural practices in the region.

MORE INFO



## Impacts and Results

This project will generate significant impacts across multiple economic, environmental, and social dimensions directly related to the challenges of CPMP. Furthermore, it will foster the development of human resources as a critical pillar for long-term success in CPMP

management. To facilitate the transfer and dissemination of the project's results, training and capacity-building programs will be established for technicians, farmers, and other stakeholders in the value chain.



**3600**  
Direct recipients



**17**  
Training workshops



**4**  
Technological solutions



**11**  
Learning plots



**26 %**  
Productivity



**50 %**  
Pesticide use



**60 %**  
Women trained



**5190 ha**  
Sustainably managed hectares

### Main Donors



### Organizations

