

Use of plastic barriers to control potato weevil

PERU / BOLIVIA / ECUADOR



Webstory



The technological solution

The Andes weevil (*Premnotrypes* spp.) does not fly and enters potato fields by moving along the ground, for which the effectiveness of plastics as physical barriers to interfere with the migration of weevils to potato fields was evaluated.



Description

Use of plastic barriers 50 cm high to reduce the populations of adult weevils, the risk to the farmer and the environment.



Results

- Plastic barriers are effective for the control of the Andean weevil in the Andean zone.
- Its greater efficiency is obtained in fields with rest.
- Plastic barriers are cheaper than insecticides and have a lower environmental impact.
- Easy to adopt and adapt by farmers.

+1500

Farmers benefited

-39 %

Weevil damage reduction

807 US/ha

Net profit up to

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.

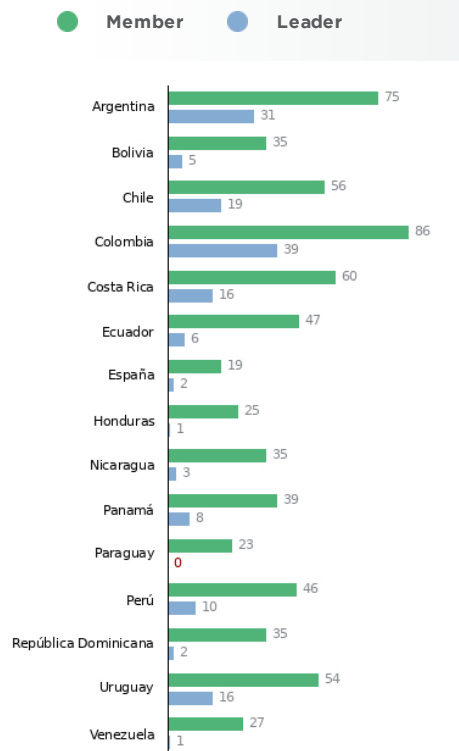


ORIGIN OF RESOURCES



- **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 | |