



# New methods of biological control of the potato moth with exotic species

PERU / BOLIVIA / ECUADOR



Webstory



## The technological solution

A study was carried out to determine if the parasitoids kept in mass rearing manage to parasitize the potato moth, in order to carry out the classical biological control with these species.



## Description

The introduction of the parasitoids (*Apanteles subandinus*) and (*Orgilus lepidus*) to Ecuador showed a good potential for parasitism and can be released as part of the classic biological control of potato moth (*Tecia solanivora*).



## Results

- The multiple applications of insecticides in potatoes have reduced the presence of natural enemies in the crop. The introduction of the parasitoides *A. subandinus* and *O. lepidus* can be used as part of the classic biological control of *T. solanivora*.

**+1500**

Farmers benefited

**20**

Training courses

**16**

Theses completed

PARTICIPATING ORGANIZATIONS



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.

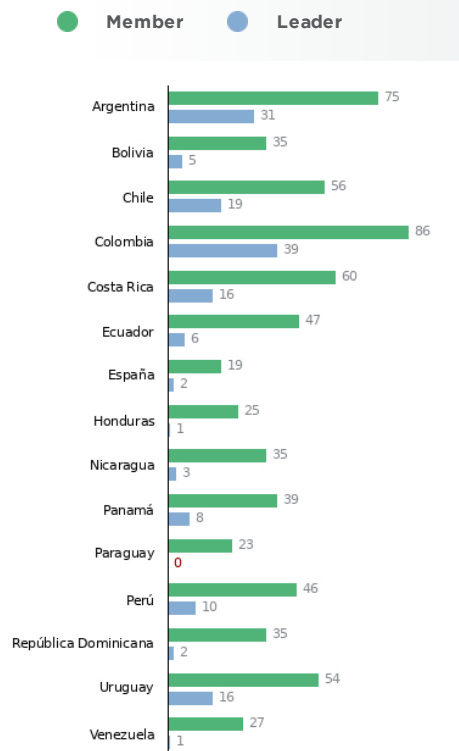


ORIGIN OF RESOURCES



- **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 |          |