



Development of biofungicides and growth promoters for Andean crops

BOLIVIA / COLOMBIA

 Webstory



The technological solution

Development and use of biofertilizers, biofungicides, biopesticides and growth promoters with the potential to replace the traditional ones generated by chemical synthesis. Most of these products can be produced locally by communities or specialized small businesses.



Description

Tricobal L is a biological product that contains two species of the trichoderma fungus (*Trichoderma harzianum*) and (*Trichoderma koningiopsis*). It also contains two species of *Bacillus* (*Bacillus subtilis*) and (*Bacillus amyloliquefaciens*).



Results

- It promotes the growth, increase and strengthening of the root, the foliage and improves the photosynthetic rate.
- Decreases flower drop and stimulates fruit set, increasing crop yields.
- It stimulates the growth of plants affected by drought or frost, because it promotes a vigorous regrowth of the foliage.
- Up to 20% increase in yield due to the use of biofertilizers and biopesticides in onion, potato, lettuce, tomato, corn and quinoa.

350

Trained farmers

150

Trained technicians

7

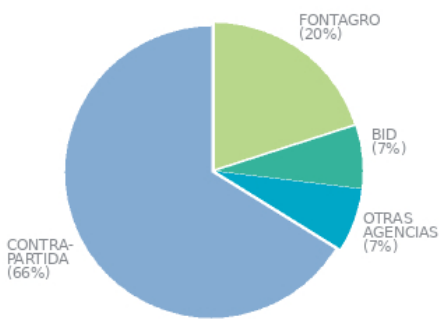
Scientific articles

ABOUT FONTAGRO

FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (LAC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars. The Inter-American Development Bank (IDB) is its legal representative, and the Inter-American Institute for Cooperation on Agriculture (IICA) is its sponsor.

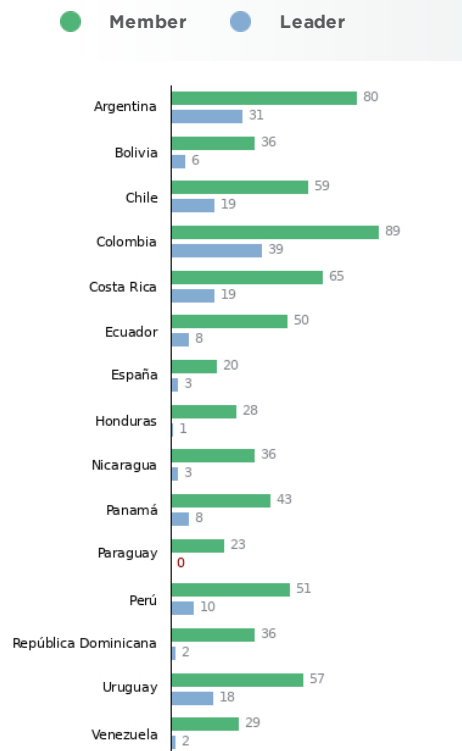


ORIGIN OF RESOURCES



- **Counterpart contribution**
99.190.633
- **FONTAGRO**
30.479.468
- **IDB**
9.922.700
- **Other agencies**
11.123.601

PARTICIPATION AND ROLE IN CONSORTIA SINCE 1998



FONTAGRO IN NUMBERS

204 Number of projects approved

150.7 Approved total amount US\$
MILLONES

11.1 Contribution from other agencies
MILLONES

33 Benefited countries

63 Generated technologies

15 New technologies for LAC

8 Technology of global relevance

MEMBER COUNTRIES

- | | | | |
|------------|--------------------|-----------|----------|
| Argentina | Bolivia | Chile | Colombia |
| Costa Rica | Dominican Republic | Ecuador | Honduras |
| Nicaragua | Panama | Paraguay | Peru |
| Spain | Uruguay | Venezuela | |