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

MAIN DONORS

PARTICIPATING ORGANIZATIONS

PROINPA   PB

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.
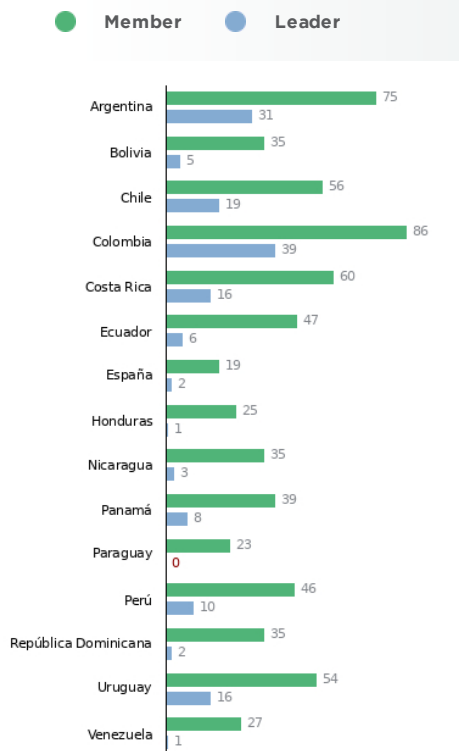
ORIGIN OF RESOURCES

FONTAGRO (20%)
BID (7%)
OTRAS AGENCIAS (7%)
CONTRA-PARTIDA (66%)

- **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

● Member   ● Leader

Country	Member	Leader
Argentina	75	31
Bolivia	35	5
Chile	56	19
Colombia	86	39
Costa Rica	60	16
Ecuador	47	6
España	19	2
Honduras	25	1
Nicaragua	35	3
Panamá	39	8
Paraguay	23	0
Perú	46	10
República Dominicana	35	2
Uruguay	54	16
Venezuela	27	1

FONTAGRO IN NUMBERS

193 Number of projects approved

141.9 MILLONES Approved total amount US$

9.8 MILLONES Contribution from other agencies

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