

# Development of biostimulants for Andean crops

BOLIVIA / COLOMBIA

 Webstory

**VigorTop** *Plus*



## 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

VigorTop is a liquid fertilizer that is composed of organic acids (humic and fulvic) extracted from earthworm humus and complementary ingredients, rich in phytohormones obtained from Marat (Moringa olerifera) supplemented with brasinoids.



## 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 producers

**150**

Trained technicians

**7**

Scientific articles

## 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

