Use of legumes in livestock systems in Latin America and the Caribbean: cooperation platform

ARGENTINA / CHILE / DOMINICAN REPUBLIC / ECUADOR / NICARAGUA / PARAGUAY / URUGUAY / BRAZIL

















Webstory

The technological solution

It is expected that the use of the different legume species that exist in the member countries of the consortium can: make the use of nitrogen (N) more efficient -through the use of its potential to fix atmospheric N-, reduce emissions of greenhouse gases and contribute to increasing animal productivity.



Description

The objective of the project is to contribute to the improvement of livestock systems in Latin America and the Caribbean through the adoption of forage leaumes.



Results

- Work is being done on a cooperation platform to improve livestock production systems in Latin America and the Caribbean through the introduction of legumes in pastures. This platform will have data on: the biological fixation of N; edaphoclimatic variables; emissions of N 2 O and CH 4 from soil; enteric CH 4 emissions; and the impact of the inclusion of legumes on animal production. There is an important level of progress against the restrictions imposed by the pandemic, with preliminary results generated from Chile, Brazil, Uruguay and Argentina.
- Technical-scientific capacities are being strengthened through thesis, internships. workshops and collaboration meetings between referents of each topic addressed by the project, thesis students and participating technicians.

109 kg

Cumulative emission difference of N-N-1 in soil with cattle grazing

Fixed N

14 %

+50000

Gas chromatography

10

Publication.

Postgraduate training for project members

Open training and for the workgroup. Workshops. Field





















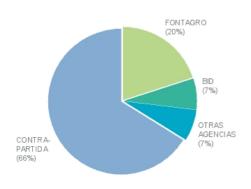


ABOUT FONTAGRO

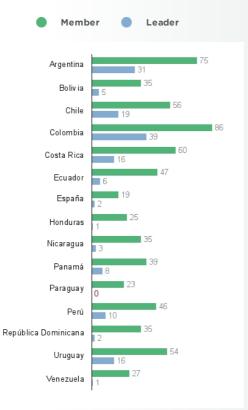
FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which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



PARTICIPATION AND ROLE IN CONSORTIUMS SINCE 1998



- Counterpart contribution 93.177.555
- **FONTAGRO** 28.989.468
- IDB 9.922.700
- Other agencies 9.809.078



Number of projects 193 approved

amount US\$

9.8

other agencies

15

New technologies for ALC

8

Technology of global relevance

MEMBER COUNTRIES

