

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 legumes.



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_2O 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

14 %

Fixed N

+50000

Gas chromatography analysis

10

Publication. Technical report

5

Postgraduate training for project members

1

Open training and for the workgroup. Workshops. Field days.

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

