FONTAGROTECH

Barley genotypes resistant to Yellow Rust and Spot Blotch

URUGUAY / PERU / SYRIA / UNITED STATES

Webstory

The technological solution

Incorporation of resistance to Yellow Rust (Puccinia striiformis) and Spot Blotch (Cochliobolus sativus) to barley genotypes.

Description

Incorporation of genetic resistance to susceptible barley varieties through marker assitant selection. The recipient lines susceptible to Spot were INIA Ceibo and INIA Aromo, and the resistant donor was the BCD47 line. The recipient line susceptible to Rust was INIA Arrayán, and the resistant donor was Ambev 293

Results

- Introduction of resistance genes to INIA Ceibo, and INIA Aromo, and INIA Arrayan.
- A process of construction of pyramids of resistance genes to Spot was started using the already known resistance and some of the new resistance detected in the project.
- A network of collaboration and technical support was consolidated among the participants.

3
Improved varieties

2
Scientific Publications

15
Conference Presentations

MAIN DONORS

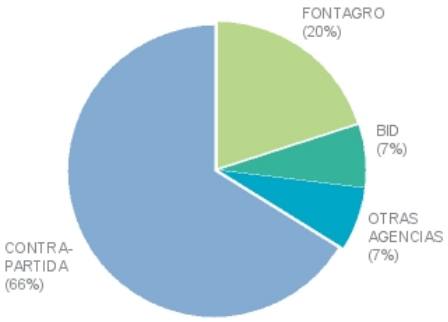
PARTICIPATING ORGANIZATIONS

FONTAGROTECH

ABOUT FONTAGRO

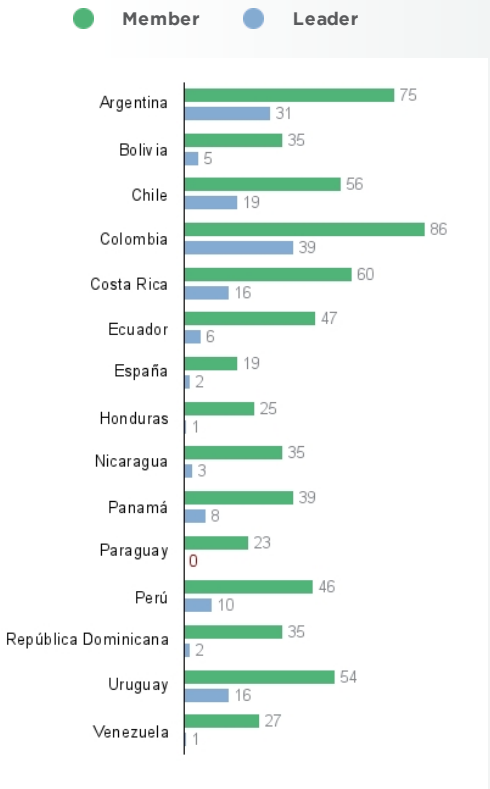
FONTAGRO is a unique cooperation mechanism for agricultural innovation in Latin America and the Caribbean (ALC) and Spain, that works through regional platforms. It is composed of 15 countries that have contributed capital exceeding 100 million dollars and the Inter-American Development Bank (IDB), which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

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