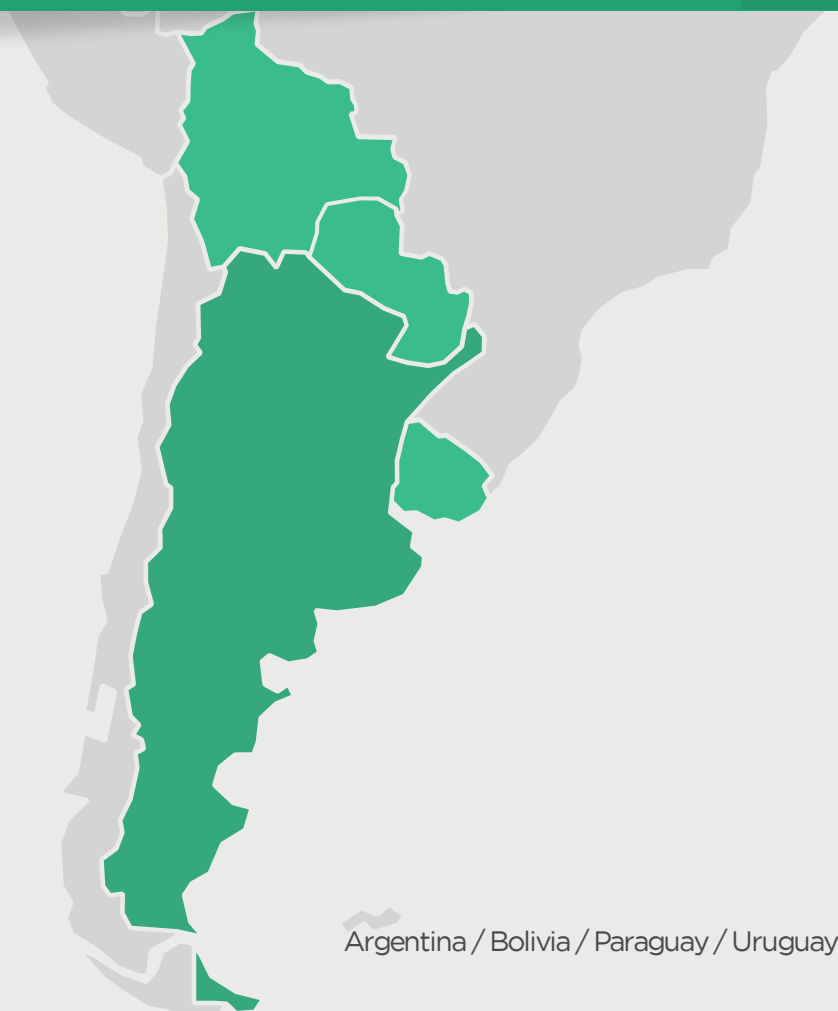


Sustainable control of the HLB vector insect in family citrus farming

In order to scale up integrated pest management (IPM), with a focus on the Huanglongbing vector (HLB), demonstration lots are installed in family citrus farms in Argentina, Uruguay, Paraguay and Bolivia



Argentina / Bolivia / Paraguay / Uruguay

Scale up integrated pest management with focus on the HLB vector in family citrus farming

The implemented initiative

To adapt and disseminate IPM technology in HLB vector control in FA, through a collective innovation management approach based on demonstration lots, training and communication, enhance social awareness, sustainability and fruit quality monitoring, economic analysis among lots. Funded by FONTAGRO, INTA /

Fundación ArgenINTA (Argentina), INIA (Uruguay), UNI / FundUNI (Paraguay), Municipal Autonomous Government of Bermejo (Bolivia) take active part in the project. SENASA and FEDERCITRUS (Argentina) and UPEFRUY (Uruguay) act as Associated Organizations in project implementation.

HLB citrus vector control in integrated pest management (IPM) context

The technological solution

Local adaptation of integrated pest management (IPM) technology in demonstration lots (LD) located in FA units- chosen in a participatory way with local actors - with focus on controlling the HLB (*Diaphorina citri*) vector, through monitoring practices, use of safe products that preserve the natural balance and use of natural enemies (*Tamarixia radiata*, *crispidae*). Monitoring allows activating an alert system hosted in a free access web portal, (smartphone friendly) developed

for FA and other actors. Training: certified IPM monitors; producer families, professionals and operators. Social awareness enhancement through dissertation in communities. Robust Communication strategy. Impact monitoring of the implementation of the IPM in lots: sustainability (AMBITEC-AGRO), effects on fruit quality (MEF, others) and economic-financial analysis. Collective innovation management is promoted as an approach to IPM scale up.

Demonstration lots installed and monitoring activities

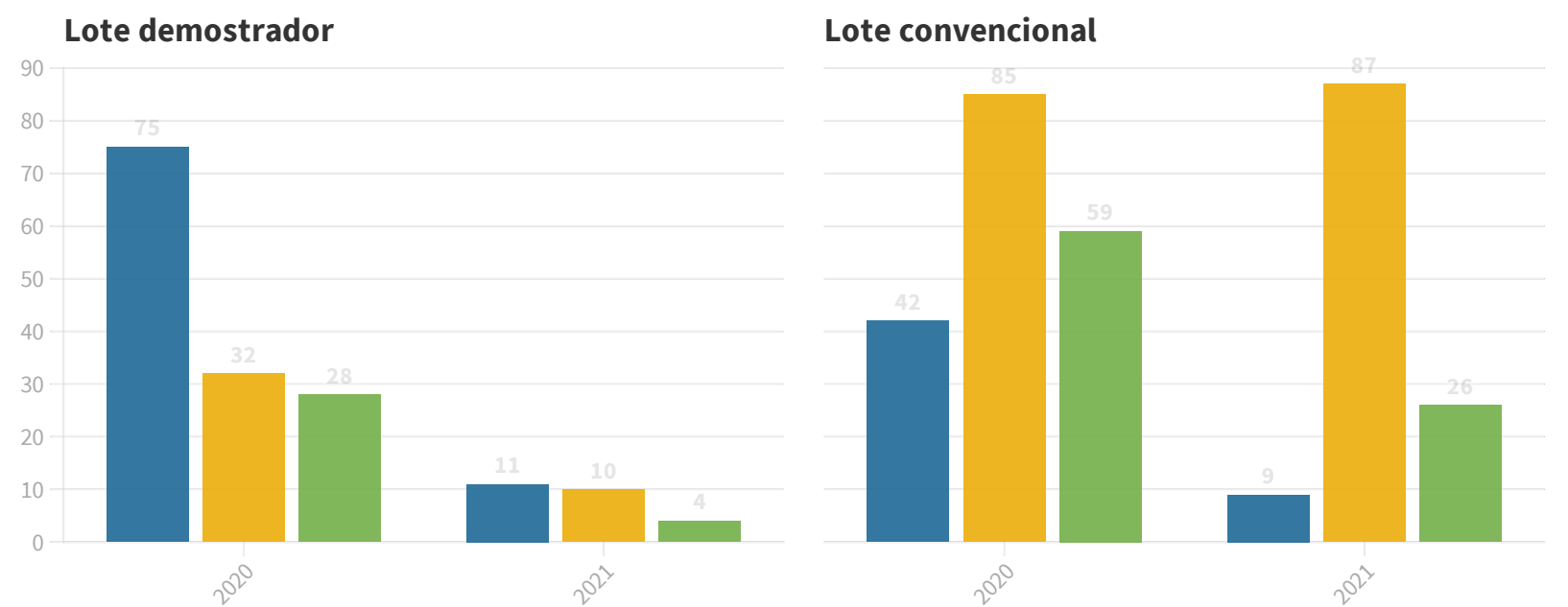


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Evaluación Fitosanitaria - Calidad de fruta

Lotes en Bella Vista, Corrientes, Argentina

Black Spot Cancrosis Sarna



A Flourish data visualization

MÁS INFO



Results

- 16 demonstration lots (DL) with integrated pest and disease management (IPM) strategies ; 16 conventional lots (LC) in family establishments.
- 366 monitoring of pests and diseases carried out in DL and CL.
- 3 agreed protocols: Selection of DL in FA; pest monitoring; field notebook.
- 13 annual monitoring and IPM strategies reports.
- 2 Biological control in Fontagro lots: Release of *Tamarixia radiata* at Bella Vista, Corrientes, Argentina and Salto, Uruguay.

- 31 socialization and DL participatory selection workshops . 591 attendees.
- 711 trained in vector identification, disease symptoms and other pests and diseases.
- 1 Early Alert system through smartphones linked to the BioTic INTA - Fontagro HLB portal.
- 1 Virtual course for monitors (launching August 2021).
- 1 HLB and vector insect handbook for family citrus growers (in edition).
- Gender: 86 female citrus growers trained; 42 female researchers involved in the Project.

Main donors



Participating Organizations

