

# Prevention and control of HLB vector insect in citrus family farming

ARGENTINA,BOLIVIA,PARAGUAY,URUGUAY



 Webstory



### Technological solution

Integrated Pest Management (IPM) technology with focus on HLB vector control (*Diaphorina citri*) in citrus is proposed, through monitoring, use of safe products and natural enemies (*Tamarixia radiata*, *chrysopids*). Monitoring activates an alert system for family growers and other actors.



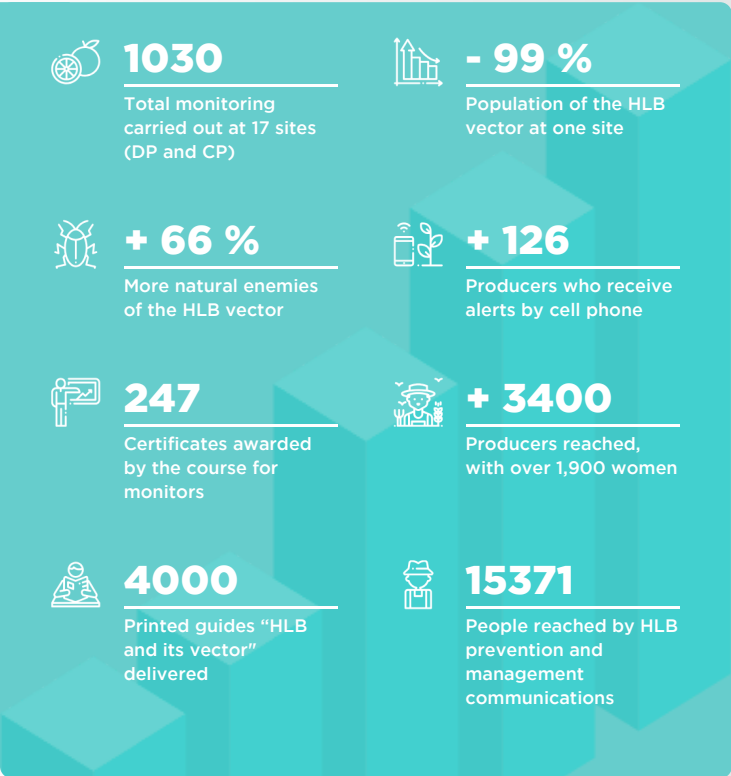
### Technological description

Adaptation and dissemination of IPM through demonstration lots (DL) in family citrus establishments, selected with participatory methodology. Training and rising social awareness about HLB vector control and disease prevention. Monitoring of sustainability, phytosanitary quality and economic analysis.



### Impacts and results

The results of the monitoring in the LD (IPM) versus LC show decreases of the HLB vector between 60-99% in 3 sites and an increase of natural enemies from 17% to 332% in 11 sites. The average environmental impact index in the evaluated LD was positive. The improvement in fruit quality was registered by lower incidence of diseases and/or less pest pressure. The economic analysis shows that direct IPM costs increased, with higher gross margins in some LD from the second or third season onwards. The following were designed and implemented: 3 editions of a virtual/on-site course for pest monitors on the INTA PROCADIS Web platform; an alert system with access to the BioTic INTA-FONTAGRO HLB Web platform; a prototype of a monitoring upload App; a graphic and digital communication campaign for the prevention and management of HLB-vector. Participatory workshops, training, 2 manuals published. More than 22,900 people reached.



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