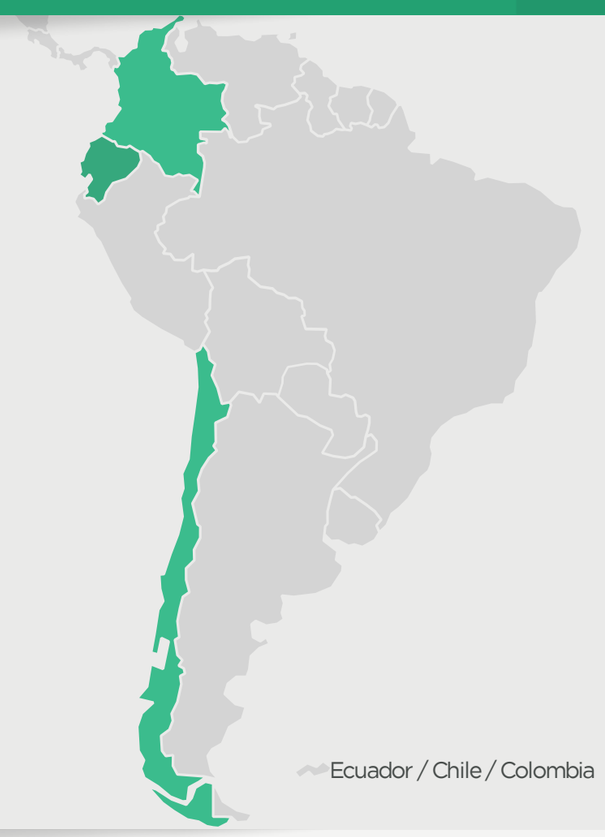
UTN, UNIVERSIDAD TÉCNICA DEL NORTE, ECUADOR

Safe fruits for a healthy and secure life

The application of multifunctional metabolites produced by microorganisms and natural compounds, both GRAS (generally safe), will ensure that consumers have access safe and high-quality foods.



Bio-protectors for postharvest preservation

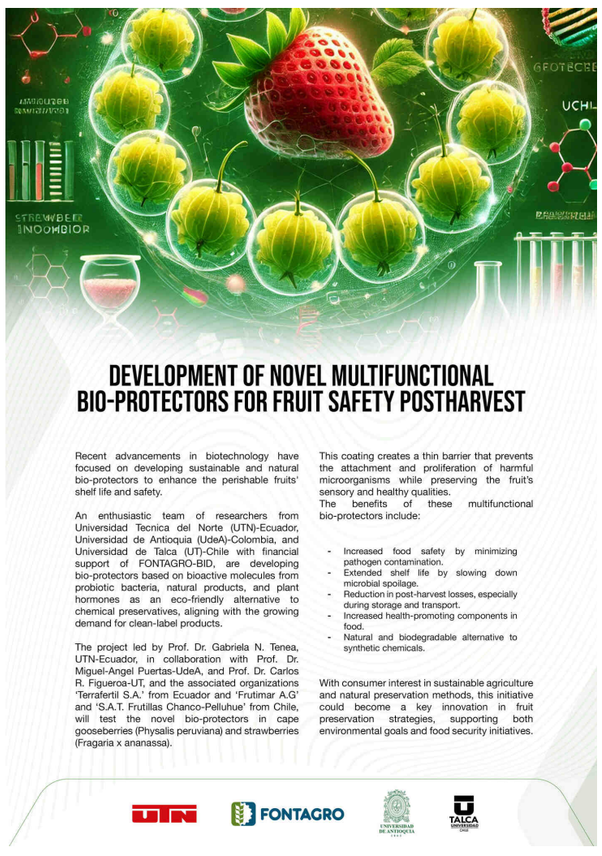
The implemented initiative

Improve the safety and nutritional quality of small fruits postharvest through the formulation and application of Multifunctional Bio-protectors (MBs). Three prototypes of MBs with antimicrobial-antifungal-antioxidant capacity will be selected in vitro. The aim is to increase safety by up to 50% and determine the effect on the functional properties of fruits after the use of MBs. A technical-economic feasibility study of the generated MBs will be carried out. Finally, knowledge management, transfer and communication of the results obtained will be carried out.

Safe fruits for our market

The technological solution

Multifunctional Bio-protectors (MBs) will become a commercial product to improve the food safety of postharvest fruits through natural conservation from farms to the consumer, and it will be a solution to mitigate potential losses due to pathogen contamination and reduce the risk of diseases transmitted by the consumption of contaminated food.



MÁS INFO

Results

Prototypes of Multifunctional Bio-protectors for postharvest conservation

Main donors

FONTAGRO

Participating Organizations

FONTAGRO