

Thermal chambers for the massive propagation of clean plantain and banana seed

COLOMBIA / ECUADOR / VENEZUELA

 Webstory



The technological solution

The macro propagation of plantain and banana in the thermal camera system allows the production of uniform planting material, facilitating the articulation of seed certification programs, sampling and phytosanitary diagnoses in the nurseries.



Description

The corms are subjected to high temperatures (50 to 65 ° C), relative humidity of 60 to 100%, and a photoperiod of 24 hours in thermal cameras. They are then subjected to the accelerated reproduction technique to inhibit the apical bud or meristem and induce the budding of the lateral buds; and finally they are sown in beds with sterile substrate.



Results

- 57% reduction in seed production costs.
- 90% reduction in the use of seed disinfectants.
- 50% reduction in fungicide applications.

8

Thermal cameras installed

17

Publications

13

Thesis

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

