

Ad hoc support : Plantain quality and ripening

Biochemical and structural study of the starch of plantain (Musa paradisiaca L.) during its maturation

ABSTRACT

Physicochemical, physical and structural analysis of plantain flour and starch during development (in the week 2 to 8 range) as following:

- mineral analysis
- soluble sugar analysis by HPAE-PAD
- starch and resistant starch content
- Optical and environmental microscopy analysis
- structural analysis by size exclusion chromatography
- Differential scanning calorimetry analysis
- RVA profile
- X ray diffraction analysis

Find enclosed the CR2012-007vGB report including background and activities

Keywords : Production, Plant, Banana, Starch, Fruit quality

Year : 2012

Project number : 1200-007

Type of funding : SP

Project type : PC

Research units in the network :

Start date : 2012-08-01

End date : 2013-02-28

Flagship project : no

Project leader : Olivier Gibert

Project leader's institution : CIRAD

Project leader's RU : QUALISUD

Budget allocated : 3006 €

Total budget allocated (including co-financing) : 3006 €

Funding : Labex

PERSPECTIVES

Communication in a congress and publication of the original results