

#### An holistic approach to cropping practices, a prerequisite for an agroecological diagnosis of plantain cropping systems in Guadeloupe.

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#### ▶ To cite this version:

Claire Forite, Alexandre Ogisma, Brunise Deloné-Louis-Jeune, Gladys Loranger-Merciris, Harry Ozier-Lafontaine, et al.. An holistic approach to cropping practices, a prerequisite for an agroecological diagnosis of plantain cropping systems in Guadeloupe.. 47th Annual Scientific Meeting of the Caribbean Food Crops Society, Jul 2011, Lloyd Erskine Sandiford Centre, Bridgetown, Barbados. hal-04089246

#### HAL Id: hal-04089246 https://hal.univ-antilles.fr/hal-04089246

Submitted on 13 Jun2023

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# An holistic approach to cropping practices, a prerequisite for an agroecological diagnosis of plantain cropping systems *in Guadeloupe*.

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-Context:

No studies and no technical support for farmers about plantain production in Guadeloupe Plantain cropping systems are mainly improved in the Cavendish production area Cropping system duration is reduced to 1 or 2 years long because of telluric pathogens' pressure

-Aim:

Characterize plantain cropping system diversity in order to run an agroecological diagnosis Identify the factors influencing the cropping system sustainability



Plantain cropping practices are influenced by Cavendish reference cropping system

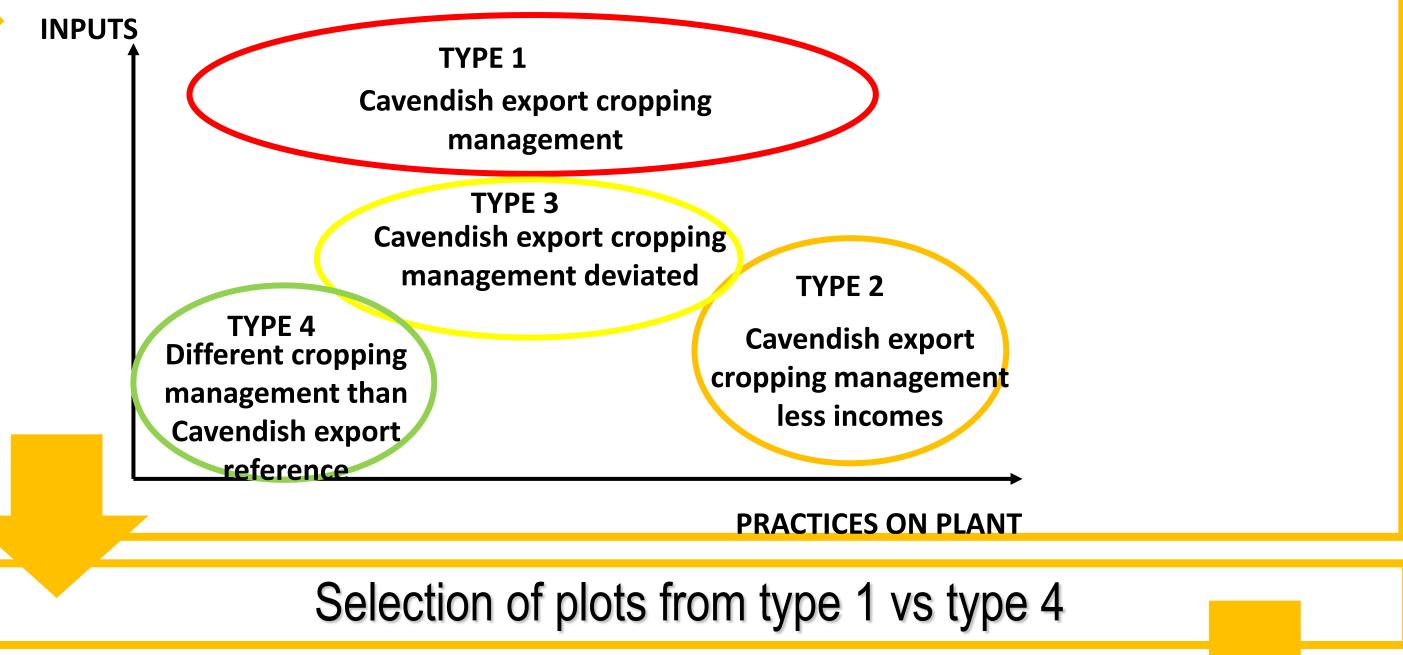
## METHOD

- Survey improvement
- Plantain cropping systems typology
- Selection of 2 contrasted agroecological situations
- Plots' agroecological diagnosis

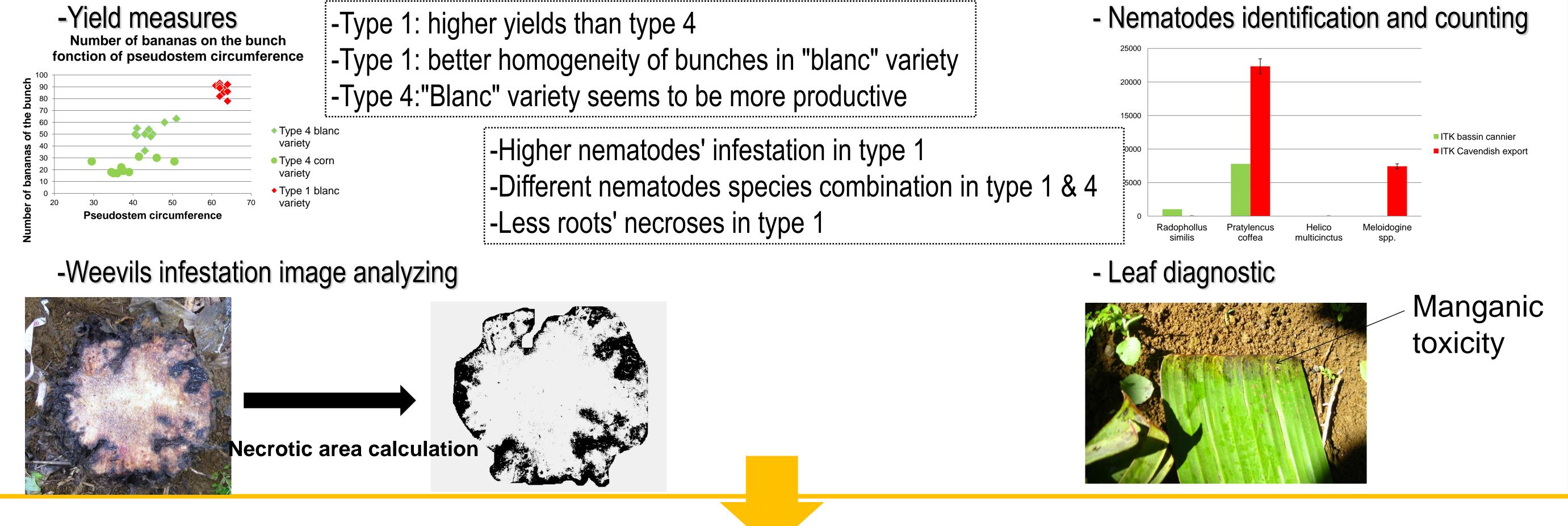


# PLANTAIN CROPPING SYSTEM TYPOLOGY

Different levels of Cavendish export cropping management deviation depending on incomes and plant management



## AGROECOLOGICAL DIAGNOSIS FOR CONTRASTED SITUATIONS



### CONCLUSION

- Different cropping systems according to the production area (type 4: out of the main Cavendish production area)

## - Higher yields in more intensive systems REMAINING QUESTIONS: What are the investments and benefits for each cropping system? What is cropping systems sustainability?



"Productive Agrosystems and Resources Conservation in an Island Environment: an Agroecological Challenge for Caribbean Sustainable Development" 47<sup>th</sup> Annual Scientific Meeting of the Caribbean Food Crops Society, Lloyd Erskine Sandiford Centre, Bridgetown, Barbados, July 3-9, 2011

