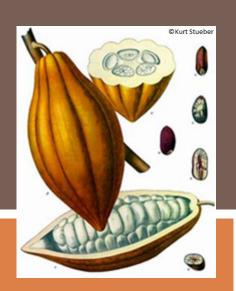




EFFECTS OF MICROCLIMATIC VARIABLES ON THE ONSET OF SYMPTOMS AND SIGNS OF Moniliophthora roreri FOR THREE CACAO CLONES IN A RANGE OF INCOMPLETE RESISTANCE



Costa Rica

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Introduction



- Moniliophthora Pod Rot (MPR): main limiting factors in Latin America.
- Combat: time-consuming and high cost.
- Insufficient information on the biology and epidemiology of the pathogen.

General Objective

□ To compare MPR development, symptoms onset of the disease and fungal sporulation for three cacao clones in a range of incomplete resistance—Pound-7 (highly susceptible), CC-137 (moderately resistant) and CATIE-R4 (highly resistant)—and understand the influence of different microclimatic variables on this development.

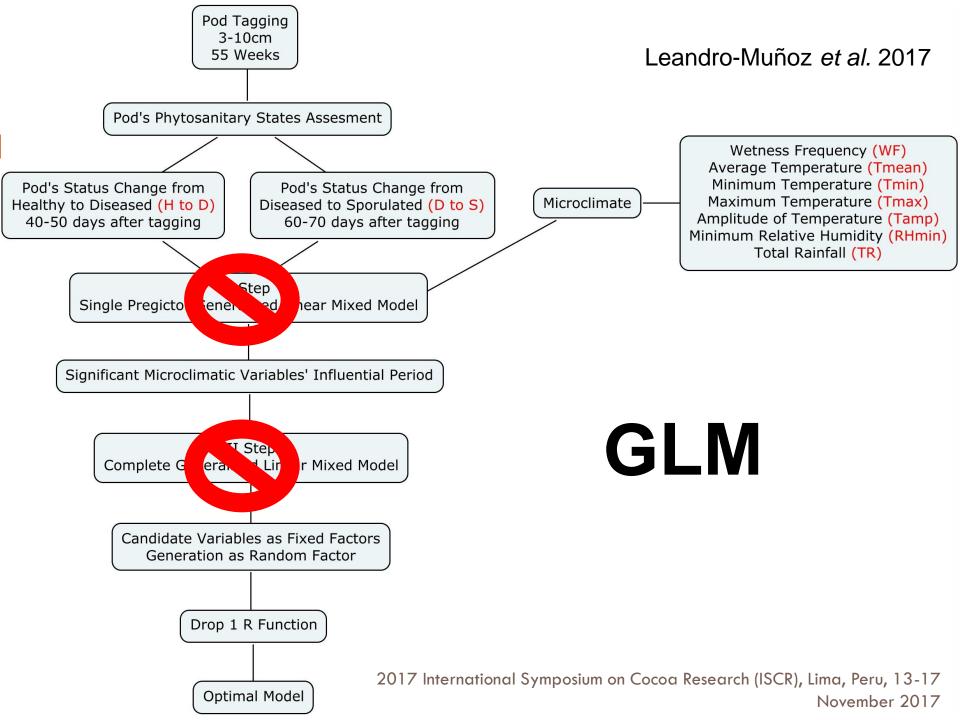
Materials and Methods

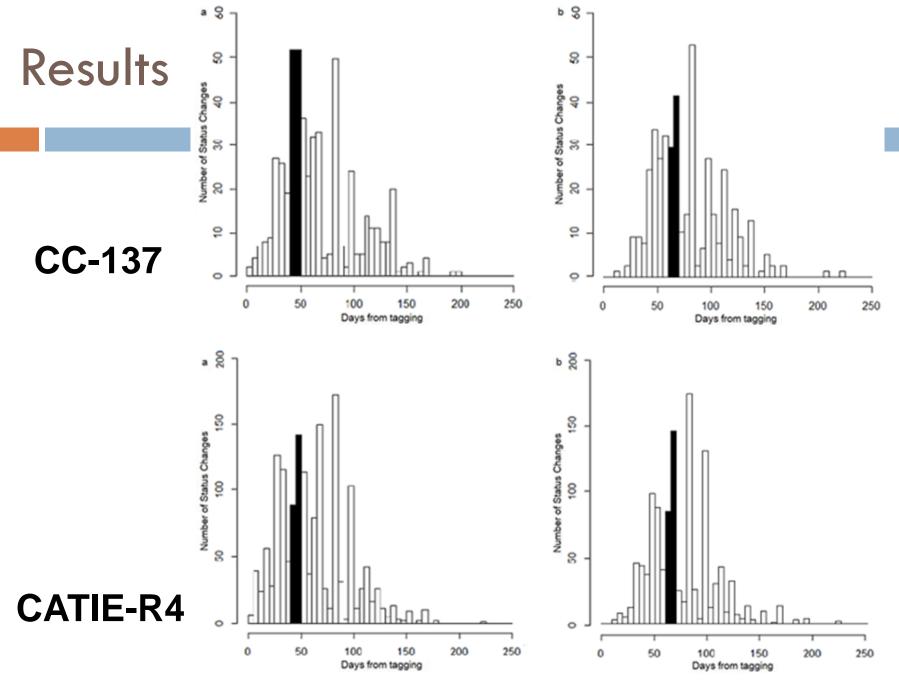
CATIE's La Lola Farm (CR Atlantic Coast).

Ideal environment for MPR development.

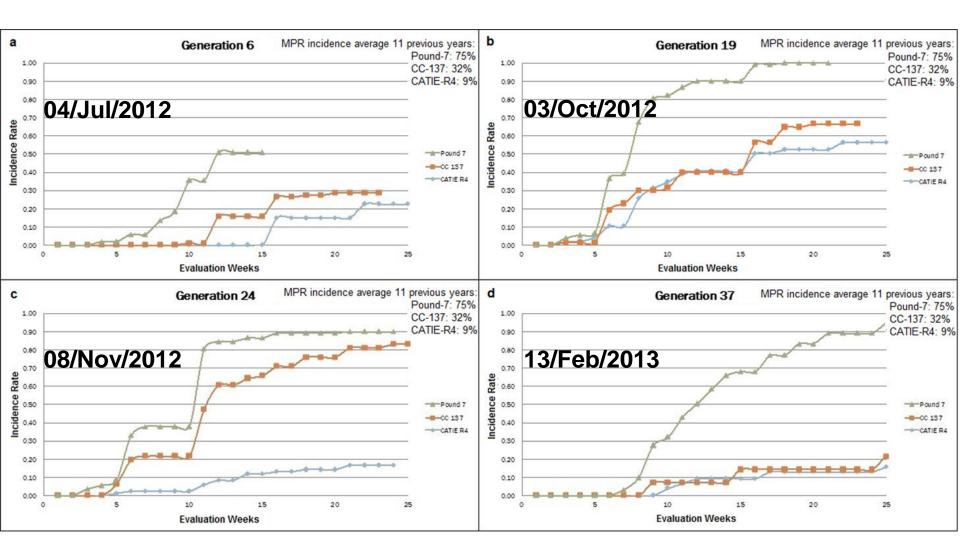
□ Pound-7, CC-137 and CATIE-R4.

□ 55 cohorts totaling 10 054 pods.

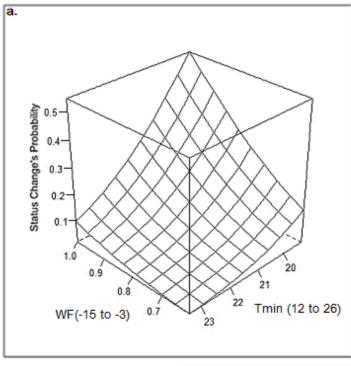


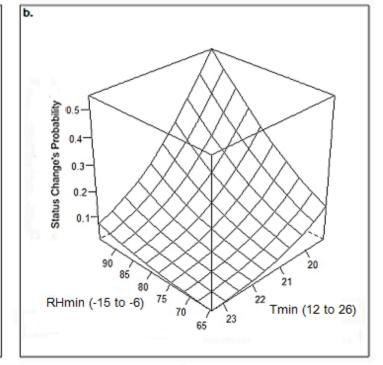


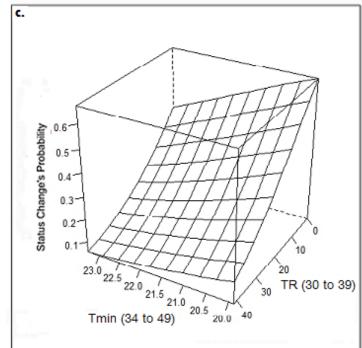
2017 International Symposium on Cocoa Research (ISCR), Lima, Peru, 13-17 November 2017



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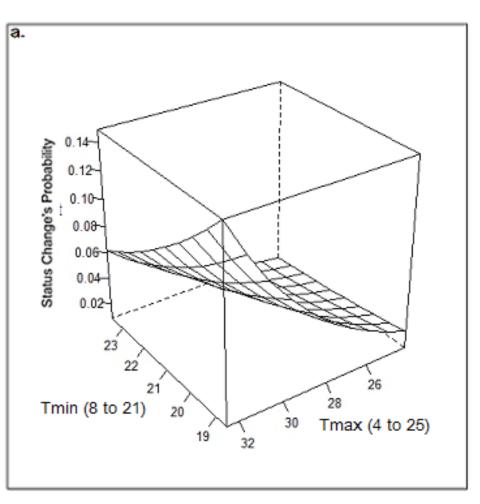


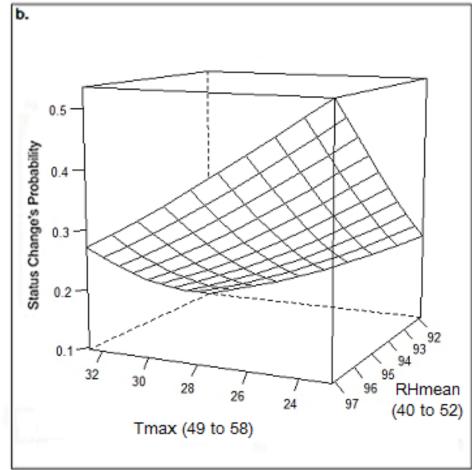


CC 137

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CATIE R4

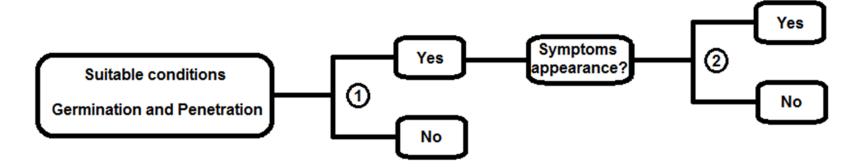




Discussion

Genotype-environment interaction.

Resistance mechanisms against MPR.



□ Resistant clones' stability: the case of CATIE-R4.

Thank you!



Any questions?