Effects of some cultural practices on mango inflorescence and fruit pest infestation and damage in Reunion island: recent progress, on-going studies and future steps

Alain RATNADASS, Isabelle GRECHI, Aude CAILLAT, Anne-Laure PRÉTERRE & Frédéric NORMAND CITCO UR HortSys, Bassin Plat 97455 Saint-Pierre, Réunion

armefihor 97410 Saint-Pierre, Réunion

Rachel GRAINDORGE

Background/Rationale. In Reunion island, mango bug (Orthops palus), blossom gall midge (Procontarina mangiferae) and fruit flies (Diptera: Tephritidae), particularly Bactrocera zonata, are major pests of mango. On the other hand, mango growers are challenged to produce "more", notably via pest and disease crop loss reduction, and "better", via fruit quality improvement and reduction of the adverse environmental impacts of pesticide applications. Studies are therefore undertaken in mango growing areas of the island, aiming at improving orchard and tree management via the assessment of cultural practices contributing to crop protection, as alternative to synthetic pesticides. Those encompass pruning, soil mulching and harvest date, against respectively mango bug, blossom gall midge, and fruit flies.



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