

## Arthropods-Pests and Predators Associated with Mango Trees at São Francisco River Valley, Northeastern Brazil – II

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### ABSTRACT

Mango is one of the most important fruit crop in Brazil, being an important economical activity, mainly in the fruit crop pole of Petrolina-PE/Juazeiro-BA, at São Francisco River Valley, Northeastern Region. To identify and evaluate the occurrence of arthropods-pests and predators, studies were carried out in eight commercial plantations in Petrolina municipality, from February 2000 to February 2005. For fruit flies, the evaluations were conducted using McPhail and Jackson traps, and for other pests and predators, evaluations were done by collecting samples of branches, leaves, panicles and fruits. The detected arthropods-pests were: *Ceratitiscus capitata*, *Anastrepha zenilidae*, *A. obliqua*, *A. sorocula*, *A. dissimilis*, *A. montei*, *A. fraterculus*, *A. pickelli*, *A. distincta*, *A. dactiiformis*, *A. serpentina*, *A. manihoti* (Diptera: Tephritidae); *Aceña mangiferae* (Acanthopterygota: Euphyidae); *Polyphagotarsonemus latus* (Acanthopterygota: Tarsonemidae); *Oligonychus* sp. (Acanthopterygota: Tetranychidae); *Pseudocnidia tritiformis* (Hemiptera: Diaspididae); *Erosomyia mangiferae* (Diptera: Cecidomyiidae); *Pleuroprucha asthenaria* (Lepidoptera: Geometridae); *Cryptoblabes gnidiella* (Lepidoptera: Pyralidae); *Eacles imperialis magnifica* (Lepidoptera: Attacidae); *Selenothrips rubrocinctus*, *Frankliniella schultzei* (Thysanoptera: Thripidae); *Aphis craccivora*, *A. gossypii*, *Toxoptera aurantii*, (Hemiptera: Aphididae); *Costalmatta ferruginea* (Coleoptera: Chrysomelidae); *Empoasca* sp. (Hemiptera: Cicadellidae); *Stiphra robusta* (Orthoptera: Proscopiidae). The most damaging pests were: *C. capitata*, *Anastrepha* spp., *E. mangiferae*, *F. schultzei* and *S. rubrocinctus*, *P. asthenaria* and *C. gnidiella*. The predators were: *Cycloneda sanguinea*, *C. conjugata*, *Scymnus* sp., *Azys luteipes*, *Olla v-nigrum*, *Enopis connexa* (Coleoptera: Coccinellidae); *Euseius concordis*, *E. citrifolius* (Acanthopterygota: Phytoseiidae); *Cheyletogenes ornatus* (Acanthopterygota: Cheyletidae); *Rubrosctus* sp. (Acanthopterygota: Chrysopidae); *Chrysopa cubana* (Neuroptera: Chrysopidae); unidentified arachnids.