

ASSOCIATION OF *Fusarium* spp. AND *Aceria mangiferae* WITH THE MANGO MALFORMATION, AT SAO FRANCISCO RIVER VALLEY, BRAZIL.

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The mango malformation is an important disease of mango (*Mangiferae indica*), provoking drastic reduction of the productivity. The association between *Fusarium* x *Aceria mangiferae* on disease transmission need still be understood at this region. In Petrolina-PE, shoots and inflorescences of mango "Tommy Atkins" with symptoms of malformation were brought to the laboratory. *Fusarium* spp. were isolated on PDA + tetracyclin (300 ppm) from pieces of shoots and inflorescences that have been disinfected with sodium hypochlorite (5%). The plates were incubated for 5 days at room temperature. Two types of colony of *Fusarium* spp, one white and other purple, were isolated. One-single spores colonies were isolated for characterization of the fungus species. Mites were collected from shoots with malformation and transferred to PDA media using 2 methods: 1) the mites were inoculated to petri dishes with PDA; 2) the mites were disinfected and then transferred to PDA media. *Fusarium* colonies were also isolated from mites disinfected or not, suggesting that they can carry fungus spores outside or inside the body.