

POSTERS

57- Occurrence of cicada, *Guyalna cuta* (Homoptera: Cicadidae) in physic nut (*Jatropha curcas*) in Mato Grosso do Sul State, Brazil.

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Palabras clave: Insect, Biodiesel, Management

Cicadas are hemimetabolous insects that normally feed on plant sap. Their life cycles are long and they spend almost all of their lives underground. After leaving the soil, the nymphs climb up trees, turn to an immobile stage and after a final molting a flying adult emerges. During their brief adult life, the main purpose is to mate and produce offspring. Most of the studies and reports of cicadas in Brazil have been made with species associated to coffee trees. However, this crop is not the only source of food for these insects and the distribution of cicadas is very broader. For this reason, studies about species diversity, geographical distribution and host preference are still necessary. This study aimed to report the occurrence of cicada in physic nut crop in Mato Grosso do Sul State, Brazil. In an area with *Jatropha curcas* plantation that was being monitored by yellow sticky traps, adults of this insect were collected during November and December of 2008 and 2009. Adults from this insect were identified as *Guyalna cuta*, small-sized specie with hyaline wings and represent the first report of this specie on *J. curcas* in Mato Grosso do Sul State. It was also observed circular holes in the soil around the plants attacked, which presented chlorosis of leaves. In Mato Grosso do Sul State, there are commercial and experimental plantations of *J. curcas*, being necessary studies to prevent against damage to this crop.

Financiamiento: FUNDECT, FINEP.