



Research Paper

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Incidence of fruit fly (*Bactrocera* spp.) in different mango orchards and varieties

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ABSTRACT : Studies were made on monitoring incidence of fruit fly (*Bactrocera* spp.) using methyl eugenol traps in different mango orchards and varieties during 2008-2009 at GKVK campus, Bangalore and Srinivaspur, Kolar. Significantly highest number of *B. dorsalis* was recorded in Mallika mango orchard followed by the Mixed orchard (11.06 and 9.48 fruit flies / trap / week, respectively) while highest trap catches of *B. correcta* (12.66 fruit flies / trap / week) and *B. zonata* (7.82 fruit flies / trap / week) was recorded in Banganpalli and Alphonso orchard, respectively. When the total fruit flies were considered, highest number of fruit flies was trapped in Mallika (22.38 fruit flies / trap / week) orchard followed by Banganpalli (18.65 fruit flies / trap / week). While the lowest trap catches were recorded in Alphonso orchard. In laboratory study, evaluation on maggot emergence in different mango varieties showed highest emergence of maggot was recorded in cv. MALLIKA (1.40 maggot / fruit) followed by Amrapali (1.00 maggot / fruit).

KEY WORDS : Fruit fly, *Bactrocera dorsalis*, Methyl eugenol, Mango orchards

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