



Research Paper

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Effect of protein food baits in attracting fruit flies in mango orchard

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ABSTRACT : Studies were made on evaluation of protein food baits in attracting fruit flies in mango orchard (cv. MALLIKA) during 2008-2009 at GKVK campus, Bangalore. Among various protein baits, casein + sugar + mango was the most superior food bait attracting significantly highest number of male fruit flies over an exposure of four weeks accounting for a mean trap catch of 26.00 fruit flies/trap/week. The food baits containing casein + sugar + banana attracted significantly highest number of female fruit flies over an exposure of four weeks accounting for a mean trap catch of 7.00 fruit flies/trap/week. When the total fruit flies irrespective of species were considered, traps baited with casein + sugar + mango was the most superior food bait attracting significantly highest number of fruit flies with a mean trap catch of 31.66 fruit flies/trap/week. The traps baited with casein + sugar + pineapple recorded lowest number of fruit flies.

KEY WORDS : Fruit fly, *Bactrocera dorsalis*, Protein baits, Mango orchard

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