

Insect Pest Control Potentiality of some Commercially Available Detergents

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ABSTRACT

Pest control potentiality of four commercial detergents namely, Surf Excel, Sunlight, Rin Advanced and Ezee, each at three concentrations (1.0, 0.5 and 0.1%), against citrus psylla (*Diaphorina citri* Kaw.), taro aphid (*Aphis gossypii* Glov.) and black ant (*Camponotus compressus* Fabr.) was studied in the department of Agril. Entomology, Bidhan Chandra Krishi Viswavidyalaya. All the treatments with the detergents except 0.1% concentration of Surf Excel and Rin Advanced provided 84.80 – 98.23% reduction in psyllid population up to 7 days after treatment. Ezee and Surf Excel @ 1.0 and 0.5%, Sunlight @ 1.0 and 0.1% and Rin Advanced @ 1.0% resulted in 79.31 – 97.40% population reduction of the aphid up to the same period. The detergents caused total mortality of the ant within 1 hr of treatment. Surf Excel @ 1.0% and sunlight @ 1.0 and 0.5% caused mild to moderate level of burning on swamp taro leaves after 48 – 72 hr of treatment.

Key words : Detergents, Pest, Potentiality.