

INFLUENCE OF INTERCROPPING AND NUTRIENT MANAGEMENT PRACTICES ON INSECT PEST POPULATION OF TRADITIONAL RED RICE

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ABSTRACT

A field experiments were conducted at wet land farm of Agricultural college and research institute, Madurai during rabi 2014-2015 to find out the influence of green manure (Sesbania acculilata) inter cropping with three different nutrient levels on four red rice varieties, of which two traditional varieties (Chandikar and Nourguan) and two improved red rice varieties (TKM 9 and TPS 1) pest and disease incidence and its population. All four red rice varieties are found to infect with rice thrips and stem broder. Thrips were found in initial stage of crop in all the varieties and stem broder was also found in all red rice varieties but the incidence was high in TKM 9 when compared with other three varieties. The thrips and dead heart symptoms of stem broer was not significantly influenced by nutrient management and drum seeding, whereas white heads at 50 DAS had a significant effect on white head of stem borer incidence. In this study it's observed that all varieties are free from all other rice major insect pest and diseases.

KEYWORDS: Influence of Green Manure, Pest and Disease Incidence & Stem Borer Incidence

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