



**RESEARCH ARTICLE :**

# Neo-nicotinoids and newer insecticides : A biorational approach for managing sucking pests of groundnut

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**SUMMARY :** Field experiments were conducted during *Kharif* season of 2010-11, 2011-12 and 2012-13 to evaluate the bioefficacy of newer insecticides (chlorantraniliprole, flubendiamide, spinosad, emamectin benzoate, thiodicarb, fipronil, acetamiprid and thiamethoxam) with conventional insecticides (profenophos, quinalphos, acephate, and chlorpyrifos) against leafhopper and thrips in groundnut. The experiments were conducted in a Randomized Block Design with eight treatments and three replications. The results revealed that the maximum pest control was observed in thiamethoxam 25 WG (200 g/ha) and acetamiprid 20 SP (100 g/ha) and these chemicals also found safe to natural enemies compare to other chemicals, 2010-11, 2011-12 and 2012-13, respectively.

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