

## **Effect of intercropping of groundnut and application of pesticides on jassid (*Empoasca kerri* Pruthi) infesting groundnut intercropped with pigeonpea**

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**ABSTRACT :** The effect of insecticides such as botanical, microbial, phosphamidon and their combinations on the population of jassid (*Empoasca kerri* Pruthi) infesting groundnut intercropped with pigeonpea was studied during 2001-2002 at the Agricultural Research Farm, Banaras Hindu University, Varanasi. In total six treatments were evaluated along with control. The infestation of jassid in the plots treated with different pesticides and their combinations was in order of control > Nimbecidine + B.t. > B.t. > Nimbecidine > phosphamidon + Nimbecidine > NSKE 5% > phosphamidon. The highest jassid population was recorded from the control plot, whereas, the lowest population was recorded with treatment of NSKE 5% and phosphamidon + Nimbecidine during the years 2001 and 2002 respectively. The population of jassid in the plots treated with phosphamidon + Nimbecidine and control plot in 2001 and the control plot in 2002 were significantly higher than that of all other treatments.

**Key Words :** Intercropping, ground-nut, bio-pesticides, jassid (*Empoasca kerri* Pruthi), pigeonpea.