Evaluation of Ready Mix Insecticide Novaluron 5.25% + Indoxacarb 4.5% SC Against Pod Borer Complex in Pigeonpea

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ABSTRACT

A field experiment was conducted at Regional Agricultural Research Station, Warangal during *Kharif*, 2012-13 and *Kharif,* 2013-14 to evaluate the efficacy of ready mix insecticide novaluron 5.25% + indoxacarb 4.5% SC at three different doses (750, 825, 875 ml ha^{-1}) against *Helicoverpa armigera* (Hübner), *Maruca vitrata* (Geyer) and *Melanagromyza obtusa* (Malloch) in pigeonpea**.** Among the treatments *viz.,* novaluron 5.25% + indoxacarb 4.5% SC at three different doses of 750, 825, 875 ml ha^{-1}, novaluron 10% EC @ 750 ml ha^{-1}, indoxacarb 14.5% SC @ 400 ml ha^{-1} and lambda-cyhalothrin @ 500 ml ha^{-1}, novaluron 5.25 % + indoxacarb 4.5 % SC @ 875 ml ha^{-1} recorded lowest larval population of *H. armigera*, *M. vitrata*, lowest pod damage by *H. armigera*, *M. vitrata* and *M. obtusa* followed by novaluron 5.25 % + indoxacarb 4.5 % SC @ 825 ml ha^{-1}. Novaluron 5.25 % + indoxacarb 4.5 % SC @ 875 ml ha^{-1} recorded significantly higher yield closely followed by novaluron 5.25 % + indoxacarb 4.5 % SC @ 825 ml ha^{-1} with almost equal incremental benefit cost ratios.

Key words*: Helicoverpa armigera, Maruca vitrata, Melanagromyza obtusa*,
Novaluron 5.25% + indoxacarb 4.5% SC, Pigeonpea.