BIOEFFICACY OF INSECTICIDES AS SEED TREATMENT AGAINST EARLY SUCKING PESTS OF SOYBEAN CROP.

Harish Kumar Netam[1], Rajeev Gupta[1] and Shivam Soni[2]

[1]Indira Gandhi Agriculture University, Department of Entomology,
Krishak Nagar, Raipur, 492006, Chhattisgarh.
harish.netam15@gmail.com
[2]Indira Gandhi Agriculture University, Department of Genetics and Plant Breeding,
Krishak Nagar, Raipur, 492006, Chhattisgarh.

Abstract : A Field experiment was laid out in randomized block design with six treatments including untreated control replicated four times. This crop was sown on 5th July 2009 in plot size of 25 square meters. The crop management practices (i.e. field preparation, sowing, weeding, fertilizer application etc.) were adopted as per the recommended practices.
In this experiment numbers of sucking pests were counted at seven days interval starting from 20 days of sowing till five weeks after first observation. The number of jassids and white flies were counted from top three and two middle leaves of randomly selected 5 plants in each plot. The whitefly population was comparatively higher than that of jassids.
Imidacloprid 600 FS when applied as seed treatment at the rate of 0.75 g.a.i/kg seed was most effective against the sucking pests upto four week of seed germination with least 6.71 insect/plant. It was followed by Imidacloprid 600 FS @ 0.60 g.a.i./ kg seed and Thiamethoxam 70 WS @ 2.1 g.a.i./kg seed with 9.66 and 11.02 sucking pests/plant.

Keywords : Bioefficacy, Imidacloprid, Sucking pests, Thiamethoxam, Seed treatment, Soybean

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