

BIOEFFICACY OF INSECTICIDES AGAINST GIRDLE BEETLE ON SOYBEAN CROP.

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Abstract : A Field experiment will be laid out in randomized block design with seven treatments including untreated control replicated four times. This crop will be sown on 3rd July 2010 in plot size of 25 square meters. In this experiment number of girdle beetle infested plants will be counted in randomly selected three one meter rows in each plot. Observations will be taken 24 hours before the spraying of insecticides and after 10 days and 15 days of spraying of insecticides.

Solomon 300 OD, a compound insecticide comprising Imidacloprid and Batacyfluthrin when applied at the rate of 350 ml/ha, was most effective against the girdle beetle with minimum 3.8 damaged plants/ meter row and highest grain yield of 27.3 q/ha. It was most economical with 1.75:1 benefit cost ratio and 42.49 per cent avoidable losses. It was followed by Triazophos 40 EC @ 625 ml/ha.

Keywords : Bioefficacy, Solomon, girdle beetle, soybean, imidacloprid, triazophos

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