

Effect of some insecticides and botanicals on predatory lady bird beetles (Coleoptera : Coccinellidae) in cotton

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SUMMARY

The study was carried out at Agriculture College Farm, Anand Niketan College of Agriculture, Warora to evaluate the effect of some insecticides and botanicals on pest of cotton and their subsequent effects on natural enemies like predatory lady bird beetles. The departmental research trials were conducted during the year 2008-09 and 2009-10. The plot size was 10×5m with three replications in RBD. The number of predatory lady bird beetles on sucking pests like aphids, jassids, white fly etc. in cotton field were counted and average was calculated. Among the different treatments dashparni ark showed 4.75 LBB / Plant followed by emamectin benzoate 5% SG (3.80 LBB / Plant) and dimethoate 30 EC 0.03% (1.65 LBB / Plant). The insecticidal treatments shown less number of lady bird beetles in cotton.

Key Words : Botanicals, Predatory lady bird beetles (LBB)

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