

Effect of certain chemicals against Gundhi bug (*Leptocorisa oratorius* Fab.) of paddy (*Oryza sativa* L.)

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ABSTRACT : The present investigation was conducted during *kharif* season of 2013-2014 at SHIATS, Allahabad in RBD on four replication. The seven treatments were comprised of, the Chlorpyrifos 20% EC, Flumendiamide 20% EC, Lambda-Cyhalothrin 5% EC, Cypermethrine 25% EC, Imidachloprid 48% FS, Quinolphos 25% EC, and untreated control. The observation on mortality of rice gundhi bug nymph/adult 24 hours and 3, and 5 DAT (Post- treatment) at each spraying were recorded for computing the per cent mortality. After harvest observed the grain damage. The treatment was recommended most efficacious in reducing the mortality of rice gundhi bug. The treatment Flumendiamide 20% EC also performed well against this pest. Similarly, Lambda-Cyhalothrin 5% EC and Cypermethrine 25% EC, Imidachloprid 48% FS, Quinolphos 25% EC, were also found relatively more effective against Rice gundhi bug. Chlorpyrifos 20EC (0.004%) recorded the highest grain damage reduction per cent (19.21) followed by Flumendiamide 20% EC (20.32), Lambda-Cyhalothrin 5% EC, (21.14), Cypermethrine 25% EC, (23.30), Imidachloprid 48% FS, (25.25), Quinolphos 25% EC, (27.61) and untreated control (72.60).

Key Words : Gundhi bug (*Leptocorisa oratorius*), rice (*Oryza sativa* L.), efficacy, chemicals, Chlorpyrifos, Flumendiamide, Lambda-Cyhalothrin, Cypermethrine, Imidachloprid, Quinolphos.