

Title Biological Activity of *Cleome* spp. Extracts Against the Rice Weevil, *Sitophilus oryzae* L.
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Abstract

The methanolic extracts of *Cleome gynandra* (L.) Briq., *Cleome chelidonii* L., and *Cleome viscosa* L. were tested against the rice weevil, *Sitophilus oryzae* L. under laboratory conditions. Impregnated-paper test with the extracts ($10\mu\text{l}/\text{cm}^2$) were conducted on early emerged adults. The extracts of *C. viscosa* and *C. gynandra* showed higher toxic than *C. chelidonii* extract. The LC_{50} values were 198, 988 and 1111 ppm, respectively. Moreover, *C. viscosa* extract was highly inhibited the oviposition of these insects. The present result is an indicative of the potential of using *Cleome* extracts for *S. oryzae* management.