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Investigations on Repellent and Insecticidal Effects of *Xanthium strumarium* L.  
on Colorado Potato Beetle *Leptinotrasa decemlineata* Say (Col:  
Chrysomelidae)

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**Abstract:** The repellent effects of the extracts of *Xanthium strumarium* fruits and leaves diluted with 1/6, 1/8, 1/10 water (w/v) for fruits and 1/6, 1/8 (w/v) for leaves were investigated with randomised plot design and 25 replicates under laboratory conditions. Insecticidal effect was also studied in laboratory. It was found that insecticidal effect was low, where as repellent effect was quite high. On the other hand, the effect of 1/6 concentration of fruit extract against adult and larvae of Colorado Potato Beetle was investigated under field conditions and the repellent effect was confirmed.

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