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Assessment of the Sensitivity and Death Rates of Adults of *Graphosoma lineatum* (Linnaeus, 1758) Fed Chlorocholine Chloride, a Plant Growth Inhibitor, Under Laboratory Conditions

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Abstract: The side effects of chlorocholine chloride, a plant growth inhibitor, on adults of *Graphosoma lineatum* were studied under laboratory conditions. In the study, 100, 250, 500, 750, 1000 and 1500 ppm of chlorocholine chloride in distilled water were applied. Chlorocholine chloride had killing effects on adults of *G. lineatum*. A 100% mortality of the male adults was observed after feeding 750, 1000 and 1500 ppm of the compound, whereas a 100% mortality of the females occurred with 1000 and 1500 ppm of the feeding compound. This study also showed that the sensitivity of the male adult insects to chlorocholine chloride was more than that of the females.

 [Keywords](#)
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Key Words: *Graphosoma lineatum*, adults, chlorocholine chloride, sensitivity, death rates

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