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Evaluation of Plant Products as Impregnation of Packaging Material against *Tribolium castaneum* (Herbst)

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Abstract: The plant materials, *viz.*, neem seed kernel extract, karanj seed extract, neem oil and castor oil (5.0, 7.5 and 10%) were tested against *Tribolium castaneum* (Herbst) as impregnation of packaging materials (cloth and plastic fibre bags). Impregnation of bags with neem seed kernel extract, neem oil, castor oil at 10% was effective in reducing the adult emergence. The per cent weight loss in cloth and plastic bags impregnated with neem seed kernel extract at 10% was 1.8 and 1.13, which was found most efficacious in protecting the wheat flour from *T. castaneum*.

Key Words: Castor, Karanj, Neem, Seed oil, Tribolium castaneum, Wheat