

**EFFICACY OF BOTANICALS AGAINST PULSE BEETLE
(*Callosobruchus chinensis* L.) IN CHICKPEA UNDER
DIFFERENT STORAGE MATERIALS**

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Executive Summary

Four storage structures bin C₁ = Plastic jar, C₂ = Aluminium sheet bin, C₃ = Jute bag with polythene lining and C₄ = Jute bag (without polythene lining) and five botanicals B₁ = Neem oil, B₂ = Mustard oil, B₃ = Karanja leaf powder, B₄ = Nishinda leaf powder, B₅ = Banokalmi leaf powder, B₆ = Untreated control were evaluated for their effect on the incidence of pulse beetle, *Callosobruchus chinensis* infesting gram seeds in storage. The experiment was conducted in a Completely Randomized Design with 2 factors included 4 replications. Highest eggs (59.75 eggs/100seeds) were found in C₄ (Jute bag without polythene lining) and lowest eggs (28 eggs/100 seeds) in C₁ (Plastic jar) and (13.38 eggs/100 seeds) in B₂ (Mustard oil). In combined effect highest eggs (100 eggs/100seeds) were found in C₁B₆ which was statistically similar with C₃B₆ and C₂B₆. Lowest eggs were found in C₁B₂ combination. Weight loss was found lowest (6.45 g) in C₁ (Plastic jar). Highest weight loss (21.80 g) was found in C₄ (Jute bag without polythene lining). In case of combination, weight loss was found lowest (1.53g) in C₁B₂ combination. The least per cent infestation and weight loss in storage was found in plastic jar with treated by mustard oil.

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