

# **Low Cost Protection Techniques for Prevention of Pulse Bruchid, *Callosobruchus maculatus* (F.) in Stored Blackgram**

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## **ABSTRACT**

An experiment was conducted at Post Harvest Technology Centre, Bapatla, Andhra Pradesh during 2016-17 to evaluate some botanicals and indigenous techniques for controlling pulse bruchid, *Callosobruchus maculatus* (F.) infesting stored blackgram. There was no adult emergence, grain damage and loss of weight of the grain from sand layer of 3 cm over the grain surface and sesamum oil @ 2% treatments during the period of five months storage. The botanical treatments: neem seed powder, sweet flag rhizome bits and vasaka plant powder were found significantly superior with very less adult emergence (15.0, 24.17 and 32.08 no.s respectively) and grain damage (1.0, 1.33 and 2.33% respectively) compared to the untreated control with 4497.92 adults and 44.44% grain damage. In the sand layer treatment cent per cent germination was observed even after five months of storage followed by neem seed powder (99.33%) and sweet flag rhizome bits (98.67%).

Key words: Botanicals, Indigenous techniques and Pulse bruchid.