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EFFECT OF EIGHTEEN PLANT ESSENTIAL OILS ON INHIBITORY OF EGG RELEASING AND OVICIDE ON *Plodia interpunctella* Hübner (Lep.: Pyralidae)

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Egg releasing deterrence and Ovicidal activity of the essential oils of 18 medicinal plants to *Plodia interpunctella* Hübner were investigated. For studying egg releasing deterrence number of released eggs has been counted from one pair moth those exposure essential oils for four days. Also one day old eggs were exposure at 3 concentrations included of 3, 12 and 24 μ l essential oil/l air. Percent of eggs hatching have been recorded after 96 hours. The results showed that all essential oils had egg releasing deterrence property. the least egg releasing deterrence have been recorded by essential oils of Rosemary, Dill, Tarragon and Yarrow with about 28.33, 32.50, 36.18 and 55.00 percent egg releasing deterrence, respectively. Other essential oils such as Cinnamon had more than 80% egg releasing deterrence that there was no significant difference between them. Essential oils of *Ziziphora clinopodioides* Lam. and Cinnamon had the most percent of egg mortality on Indian Meal Moth. Also mortality of eggs has increased by increasing concentration of essential oils. These results showed essential oils of *Z. clinopodioides* and Cinnamon had high potential in egg releasing deterrence and Ovicidal effect. They could be suitable components for controlling this pest in storages.

Keywords: essential oils, medicinal plants, ovicide, Indian Meal Moth.
