

عنوان مقاله:

Investigating the effect of repellency essential oil and capsule formulation containing *Zataria bracteata* Boiss essential (oil on flour moth pest *Ephestia.kuehniella* Zeller (Lepidoptera: Pyralidae

محل انتشار:

یازدهمین کنفرانس بین المللی کشاورزی، محیط زیست، توسعه شهری و روستایی (سال: 1401)

تعداد صفحات اصل مقاله: 8

نویسنده:

Lena Emamjomeh - *Management of the Green Space Research, Education and Consulting Center of District ۲۲ Municipality of Tehran*

خلاصه مقاله:

The Mediterranean flour moth, *Ephastia cohenila* (Zell.) is one of the important pests of stored products, and due to its economic importance, it is necessary to combat it. The use of plant essential oils and their compounds can be a suitable alternative to conventional chemical methods due to their low risks for mammals. In this research, the repellency effect of essential oils of *Zataria bracteata* Boiss on the third instar larvae of the mealybug was investigated. Also, the effect of repellency the capsule formula of these essential oil was also investigated. The results showed that the repellency rate of *Zataria bracteata* Boiss compounds with a concentration of ۱.۵ microliters on the flour disc had an effect of ۵۶% in the essential oil and ۴۰% in the capsule formulation of thyme essential oil compounds increased repellency was observed. Therefore, many of these plant essential oils, especially *Zataria .bracteata* Boiss have a high potential to be used in integrated control programs of this pest in warehouses

کلمات کلیدی:

.Plant essential oil, Storage pests, Repellency, integrated pest

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1604316>

