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Abstracts

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Investigation on the reasons of food preference of red palm weevil
(Rhynchophorus ferrugineus Oliv.)

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Red palm weevil (RPW), *Rhynchophorus ferrugineus* Oliv., is a destructive pest of different palms in Asia, North Africa and South Europe. At present time, it is an internal quarantined pest in Iran which damage on date palm is limited to Saravan region (Sistan & Balouchistan Province).

Several experiments were carried out on the food preference of RPW on 5 date palm varieties including Mazafati, Rabbi, Halileh, Zaraden, Pimazoo and a native wild palm (*Nannorrhops ritchiana* (Griff) Aitch.), during 1999-2001.

Based on the laboratory studies, larval mortality maximum and minimum were in Zaraden and Halileh, respectively. The highest pupal mortality was recorded 100%, which found in wild palm. The maximum and minimum of adult emergence were observed for Mazafati and wild palm, respectively. The life span of RPW was maximum in Zaraden and minimum in Mazafati. The highest and lowest daily ovipositions were observed in Mazafati and Zaraden, respectively.

To determine the reasons of food preference of RPW, vascular tissues of different varieties of date palms and wild palm were analyzed and dry weight, crude fiber, total sugar, total fat and 12 chemical elements including nitrogen, phosphorus, potassium, calcium, magnesium, sodium, iron, manganese, chlorine, zinc, copper and boron were measured. The stepwise multiple regression analysis showed that the interaction of various nutrient components affects the vital qualifications of RPW, and most effective them in RPW development were sugar and calcium. Sugar was correlated with growth and daily oviposition and decreases mortality, while increasing of calcium clearly inhibited RPW growth.

Консультирование оптовых продовольственных рынков

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Оптовые продовольственные рынки (ОПР) являются одним из посредников между товаропроизводителями и потребителями конечной продукции, позволяющими значительно повышать эффективность продовольственного товарооборота, обеспечивать
Dear Hossein Farazmand
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It is a great pleasure for me to express my gratitude for your participation in the 3rd international Iran and Russia Conference “Agriculture and Natural Resources” held in September 18-20, 2002, Moscow-Russia.
I would also like to thank you for your paper presentation entitled:

“Investigation on the reasons of food preference of red palm weevil (Rhynchocephorus ferrugineus Oliv.)”

and wish you further success in your research activities.

Mr. V. M. Koshelev
Conference Secretary