

عنوان مقاله:

Life Cycle of *Cydalima perspectalis* (Walker, ۱۸۵۹) (Lepidoptera: Crambidae), an Invasive Exotic Pest in Hyrcanian Forests of Iran

محل انتشار:

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خلاصه مقاله:

Box tree moth, *Cydalima perspectalis* (Walker, ۱۸۵۹), is one of the major destructive pests that feed on the leaves and

shoots of various Buxus species. In the course of this survey, the life cycle of *C. perspectalis* was studied in laboratory and natural (Hyrcanian Forests) conditions. The laboratory experiments were carried out at temperature of $25 \pm 1^\circ\text{C}$, $70 \pm 10\%$ relative humidity and a photo phase of 16 light: 8 dark hours. The average duration of an egg, larva, pre-pupa, pupa, as well as female and male longevity were 5.09 ± 0.04 , 23.15 ± 0.17 , 1.04 ± 0.02 , 7.80 ± 0.05 , 15.31 ± 0.73 and 12.92 ± 0.71 days, respectively. As an important pest newly introduced in northern Iran, the Box tree moth completes two and .partial third generations per year. The results of this study would be useful for improving pest management strategies

کلمات کلیدی:

.Box tree moth, Buxus species, Iranian fauna

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