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عنوان مقاله:

Synergistic Effects of Beauveria Bassiana, Diatomaceous Earth, and Insecticides on Mortality and Enzyme Activities of Spodoptera Frugiperda (J.E. (Smith

محل انتشار:

مجله بين المللي تحقيقات پيشرفته زيست شناختي و زيست پزشكي, دوره 12, شماره 3 (سال: 1403)

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نویسنده:

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خلاصه مقاله:

Fall armyworm (FAW), Spodoptera frugiperda (J.E. Smith) (Lepidoptera: Noctuidae), is one of the most destructive pests for many agricultural crops. Since quickly develops resistance in FAW to most classes of pesticides, more effective and safer biological ways to control the pest are needed. Laboratory studies investigated the interaction between the fungal entomopathogen Beauveria bassiana, diatomaceous earth (DE) with chlorantraniliprole or emamectin benzoate when applied to Ynd instar FAW larvae. The biological parameters of B. bassiana (germination rate and average daily mycelia growth) were not inhibited by chlorantraniliprole and DE treatments, on the contrary the effect of emamectin benzoate. Interaction of B. bassiana (\(\neq \infty \cdot \hdot \hdo

كلمات كليدى:

Beauveria bassania, Chlorantraniliprole, detoxification enzymes, emamectin benzoate, fall armyworm, Synergism

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