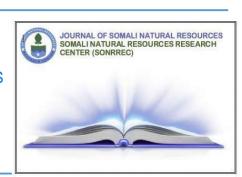
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Effects of Neemazal-T/S and Deltamethrin on the Rust-Red Flour Beetle Tribolium castanium (Herbst) Coleoptera: tenebrionidae

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ARTICLE INFORMATION ABSTRACT

The purpose of this research was to assess the efficacy of dissimilar doses of NeemAzal-T/S, Deltamethrin and their combination against larvae and adult of the red flour beetle Tribolium castaneum. The recommended dose of NeemAzal-T/S didn't cause mortality to the adults until the 7th day up to 11th day (6.7%), (13.3%) respectively, where the larvae's mortality was reached (43.3%) on the 7th day and (83.3%) on the 11th day.

The recommended dose of Deltamethrin caused mortality to all adults on the second day, where the treated larvae died completely on the 4th day. The combination of Deltamethrin and NeemAzal-T/S showed that 60% of the adults died on the first day where the larvae's mortality reached 57% on the same day, the mortality among the adults on the 2nd, 3rd and 4th day was 80,93,100 % respectively , compared to the larvae on the same days 70,77 and 97 % respectively.

It is clear for the results that Deltamethrin was more hasty mortality than NeemAzail-T/S which takes a long period of exposure.

Key Words: Neemazal-T/S and Malation57, Rust-Red Flour Beetle, Tribolium castanium (Herbst) Coleoptera



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