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FIELD TRIALS OF MOLLUSCICIDE (WL 8008) IN BILHARZIASIS CONTROL PROJECT AREA, IN IRAN

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Abstract:

Field trials of molluscicide WL8008 (N-tritylmorpholine) were carried out in Khuzestan, Iran. The liquid 2 (FX/28), a 16.5 w/v emulsifiable concentrate in tetrachloroethylene in concentrations of 0.25 ppm and 0.5 ppm was used against *Bulinus truncatus* and *Lymnaea gedrosiana* in standing and running water systems . Bio-assay tests and laboratory experiments were made parallel to the field trials. Only a few of the *B.truncatus* were affected by 0.25 ppm of N-tritylmorpholine, but *L.gedrosiana* proved to be more susceptible to the chemical and an almost complete kill of *L.gedrosiana* was achieved. A concentration of 0.5 ppm completely killed both *B.truncatus* and *L.gedrosiana*, but had no effect on egg-masses. N-trityl-morpholine may play an important part in future snail control projects, particularly on *Lymnaea* snails.

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