

Efficacy of different acaricides against *Tetranychus urticae* (Koch.) infesting marigold (*Tagetes* spp.)

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ABSTRACT

A pot experiment was conducted at Department of Agricultural Entomology, N.M. Collage of Agriculture, N.A.U., Navsari during 2014 to determine the effectiveness of seven different acaricides against *Tetranychus urticae* Koch. on marigold. The bioefficacy of different acaricides viz. Abamectin 0.0025 per cent, Buprofezin 0.030 per cent, Chlorfenpyr 0.01 per cent, Diafenthiuron 0.055 per cent, Fenazaquin 0.01 per cent, Fenpyroximate 0.0025 per cent, Propargite 0.05 per cent tested against *T. urticae* infesting marigold revealed that the Abamectin 0.0025 per cent and Chlorfenapyr 0.01 per cent gave cent per cent mortality of mites at fourteen days after application and proved the most effective for the control of mites on marigold as compared to rest of the acaricides. The treatment of propargite was found least effective amongst the tested acaricides. The descending order of effectiveness of different acaricides was Abamectin 0.0025 per cent = Chlorfenapyr 0.01 per cent ≥ Difenthiuron 0.055 per cent > Fenazaquin 0.01 per cent > Fenpyroximate 0.0025 per cent > Buprofezin 0.030 per cent > Propargite 0.05 per cent at fourteen days after application.

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