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Eco-friendly management of yellow mite (*Polyphagotarsonemus latus)* on chilli crop

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ABSTRACT : The present investigation was summarized and carried out in 2006 to know the activities of synthetic and botanical pesticides against Yellow Mite (*Polyphagotarsonemus latus)* on chilli crop under field conditions. The crop was treated with sulphur 80% WP (0.25%), phosalone 35% EC (0.07%), propargite 57% EC (0.18%), ethion 50% EC(0.05%), abamectin 1.9% EC(0.014%), nitrogen + sulphur (mitex-S), azadiractin 0.03% EC (0.0015%), neem oil pure (2ml), NSKE (5ml) and water. The synthetic botanical and microbial pesticides under field condition was evaluated after 1, 3, 7 and 14th days after treatment. The overall performance of eco-friendly was observed propargite activities maximum 78.11% reduction of test mite, followed by abamactin 74.36%, phosalone 67.65%, sulphur 66.46% and ethion 64.33%. Whereas, azadiractin activities moderate reduction 52.58%, followed by nitrogen + sulphur (mitex–S) 50.34% and NSKE 47.93%. Water activities least reduction 6.73%, followed by neem oil 33.72%.

Key Words: *Polyphagotarsonemus latus*, chilli, Eco-friendly management.