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Study on feeding and oviposition preference of *Liriomyza sativae* Blanchard (Dip.: Agromyzidae) on greenhouse cucumber cultivars

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Abstract

Vegetable leafminer *Liriomyza sativae* Blanchard (Dip.: Agromyzidae) is a serious pest on cucumber in the greenhouses of Iran. The high densities of the pest might be resulted in sever damages to the plants. To control the pest, farmers treated their plants several times with different insecticides. Regarding adverse effects of pesticides in the present study feeding and oviposition preference of *Liriomyza sativae* on greenhouse cucumber cultivars have been studied. The experiment conducted in the greenhouse under condition of 27±2°C, 60±5% RH and 16L: 8D. Using 7 cucumber varieties with 4 replications. Overall, the results indicated that no variety had the highest resistsnce or lowest susceptibility, But using varieties with the few feeding punctures and larval mines (Janett), could be suggested on IPM program aginst this pest.

Keywords: *Liriomyza sativae*, cucumber, feeding preference, oviposition preference

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