

THE OCCURRENCE OF *Leucoptera scitella* Zell.  
IN ESFAHAN REGION<sup>1</sup>

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SUMMARY

*Leucoptera scitella* on apple and pear was, for the first time, seen in 1984 in Esfahan. This pest has four generations per year in Esfahan region. The insect overwinters as pupa in the white cocoon and the moths of the winter generation emerge at the end of March. At the end of April, when the eggs start hatching, the emergence of adult moths reach to its peak, The peaks of 2nd, 3rd and 4th generations are at the mid June, end of July and mid September respectively.

The hatching period is 7 - 16 days, the larval period is 10 - 18 days and the pupal period is 10- 14 days in different generations.

Permetrin 20 Ec at 0. 05%, Fenvalerate 20 Ec at 0. 08% and Dimilin 25 Wp at 0. 08%, when sprayed at the peak of the adults emergence of the first generation, result in a mortality of 99%, 95% and 93% while compared to the untreated trees.

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