

SOME STUDIES ON THE EUROPEAN RED MITE *Panonychus ulmi* (KOCH) IN THE REGION OF GORGAN (1)

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SUMMARY

European red mite has been, for the first time, imported from France and Switzerland, along with the apple rootstocks in 1971, and now in spite of all the possible measures it is going to be spread more and more.

During the years 1975, 1976 and 1977 we have done some preliminary researches on this mite in the region of Gorgan and the results given here are those of this region.

- 1- This mite has 11-13 generations in a year. In most favourable conditions (during the summer when the average daily temperature is from 29 to 30 C.), a period of 11-12 days is enough for a generation to be achieved.
- 2- The winter is passed in the form of winter eggs which are slightly bigger than those of the other seasons. Laying this kind of eggs starts from the end of August and beginning of September.
- 3- To control this mite, using oils during the winter is recommended as one of the ways.
- 4- 300 eggs found on two meters of branch is the economical threshold to start the winter spraying against the hibernating eggs. This threshold for the spring and summer sprays is when two to three mites are found on a leaf (See the figures in the Farsi text).

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