

Study on biology and damage of *polydrosus davatchii* in Rafsanjan region.

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Polydrosus davatchii has been reported first in Khoaf and Serakhs on pistachio trees (Davatchii,1961) The length of this insect is 5.5-7 mm and its width is 2-3 mm, with gredish colour . Biological study of this insect in Rafsanjan region indicated that appearance of mature ones in orchard with phenological stages of pistachio trees, so that at blooming stage of tree (last to days of March) appeared on tree and caused injury by feeding of buds. Average longevity of matured insect under the natural and laboratory condition was 52 and 50 days respectively . Mean oviposition rate was 13.6 eggs/day . The eggs are milky - white colour and ellipse shaped, lay as 10-70 number batches and hatch in about 14 days.The colour of eggs at the hatching time is black.

The larvae with one milimeter length penetrated into soil .Based on study results, this insect has one generation per year in Rafsangan area.