

**SEASONAL POPULATION DYNAMICS OF *AMBLYSEIUS ANDERSONI* (CHANT)
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ALBANIA**ABSTRACT**

Seasonal population dynamics of *Amblyseius andersoni* (Chant) was recorded on two apple cultivars: Pink lady and Golden delicious from May to October 2014 in a sprayed apple orchard in Durrës (Shëna-Vlash), Albania. On Pink lady apple cultivar, the highest egg densities were reached on 11 June (0.4 eggs/leaf), larval population on 21 June (1.05 larva/leaf) and adult population on 11 July (3.2 adults/leaf). On Golden delicious apple cultivar the highest egg densities were observed on 21 June (1.75 eggs / leaf), larval population on 21 June (5.55 larva/leaf) and adult population on 11 July (15.5 adults/leaf). The highest population densities of tetranychid mite on Pink lady cultivar was observed on 30 August (0.6 mite / leaf) whereas on Golden delicious the number of tetranychid mite was very low and were observed only in three sampling dates, below (0.1 mite/leaf). Significant differences were found among two apple cultivars only between adults ($P < 0.05$) whereas between larval population and eggs no significant differences were found ($P > 0.05$). The population of tetranychid mite differed significantly ($P < 0.01$) among apple cultivars. The temperature had a significant impact ($P < 0.05$) in the abundance of tetranychid mite on Pink lady cultivar whereas in the abundance of predatory mite, temperature on both apple cultivars didn't had a significant impact ($P > 0.05$).

Keywords: *Amblyseius andersoni*, apple cultivars, tetranychids, Albania.