Annals of the Academy of Romanian Scientists
Series on Agriculture, Silviculture and Veterinary Medicine Sciences
Online ISSN 2344 – 2085 Volume 5, Number 2/2016

ECOLOGICAL PARAMETERS FOR THE HARMFUL ENTOMOFAUNA FROM FOR THE MILK THISTLE CROPS (*Silybum marianum L*) UNDER CENTER OF MOLDOVA CONDITION

Elena TROTUŞ[1,2], Paula-Lucelia URSACHE[2]

Abstract. ***Silybum marianum*** L *is grown for its fruit (Fructus cardui material) containing a specific compound, insoluble in water, with hepatoprotective properties (2.5). The average yield of seeds (fruits) is between 6-12 q/ha, if the harvest is done when 80% of the inflorescences are dry, delaying the harvest involves loss of seeds, which spread easily due to the presence of papus. Loss of seeds are produced frequently and by a large range of specific and polyphagous pests (3,4,6,7,8,9).It was found that the dangerous entomofauna for the* ***Silybum marianum*** L *crops was composed of 28 species of insects that totaled averaged over the entire period between sowing and harvesting (April-July) a total of 702 specimens/sqm. The average density of collected species ranged from 3 specimens/sqm which as totaled at* ***Anomala solida, Decticus verrucivorus, Tettigonia viridissima*** *species and up to 377 specimens/leaf at* ***Tetranychus urticae*** *It was found that 11 species belong to the* ***Coleoptera*** *order, six species to* ***Lepidoptera*** *order, four species to* ***Orthoptera*** *order, three species to* ***Heteroptera*** *and* ***Homoptera*** *and 1 species to* ***Acari*** *order.*

Key words: insect, pests, *Silybum marianum,* species.

[1] Academy of Romania Scientists , Splaiul Independenţei 54, 050094, Bucharest, Romania. Academy of Agriculture and Silviculture Sciences, CS 1dr. ing. Staţiunea de Cercetare Dezvoltare Agricolă Secuieni. etrotuş@yahoo.com
[2] As.cercet ing., Staţiunea de Cercetare Dezvoltare Agricolă Secuieni.