

研究报告

管理水平对葡萄园节肢动物群落特征参数及目标害虫、天敌种群数量的影响

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摘要

对管理精细和管理粗放的两种葡萄园进行全株调查和地面扫网调查,分析其节肢动物群落结构特征参数差异及目标害虫葡萄跳叶甲和两种天敌草间小黑蛛、肖蛸蛛种群数量的差异.结果表明,两种葡萄园节肢动物群落之间在个体数量、优势集中性指数、均匀度指数和多样性指数上差异不显著;物种数和丰富度指数差异显著($P<0.05$);葡萄树上节肢动物物种数差异不显著,地面植被上物种数差异显著($P<0.05$);两种葡萄园之间树上和地面节肢动物个体数量、目标害虫葡萄跳叶甲种群数量、主要天敌草间小黑蛛和肖蛸蛛种群数量差异均不显著.

关键词 [葡萄园](#); [管理水平](#); [节肢动物群落](#); [害虫](#); [天敌](#)

分类号

Effects of management level on community characteristics of arthropod and on population numbers of target insect pest and its natural enemies in graperies

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Abstract

In this paper, an investigation on the grape tree and ground vegetation was conducted in two graperies with intensive and extensive management, aimed to study the effects of different management level on the community characteristics of arthropod, and the population numbers of target pest *Halticinae chalybca* (Illiger) and its natural enemies *Erigonidium graminicolum* and *Tetragnathidae*. The results showed that between the two graperies, the individual number, concentration value, evenness, and Hill diversity index of arthropod community had no significant difference, but its species number and abundance was significantly different ($P<0.05$). The species number of arthropod on the grape trees in intensive management graperies was not significantly different from that in extensive management graperies, while on the ground vegetation, it was significantly different ($P<0.05$). There was a little difference in the population numbers of *H. chalybca* and its natural enemies on the trees and ground vegetations of the two graperies.

Key words

扩展功能

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