

研究报告

枣园生态系统中害虫与天敌群落演替规律的研究

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摘要

通过对太谷地区枣园害虫天敌群落的系统调查, 并应用最优分割法. 主分量分析法和1维和2维排序法, 探讨了引起枣园害虫和天敌群落演替的主要类群及其演变规律. 结果表明, 群落具有明显的主导因子和时序演替格局, 枣园害虫和天敌群落在前3个主分量上的变动较大, 且跟随效应明显; 枣园害虫和天敌群落的演替在时间过程中明显分为4个阶段: 枣树发芽前、枣树展叶开花期、枣树结果期、枣果着色成熟期; 利用主分量分析法, 明确了主要害虫及其天敌的种类.

关键词 [害虫,天敌,群落演替,枣园,相互作用](#)

分类号

Community succession patterns of pests and natural enemies in jujube orchard ecosystem

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Abstract

Through investigation and by the methods of optimal partitioning, principal component analysis, and one- or two-dimensional ordination, this paper analyzed the main groups and succession trends of the pest and natural enemy communities at a jujube orchard of Taigu area. The results showed that the communities had more obvious dominant factors and temporal succession pattern. The first three principal components of the communities had a bigger variation, with an obvious follow effects. The community succession was temporally divided into four stages, i.e., in the periods of pre-budding, leaf expanding and blooming, fruiting, and maturing. The dominant species of pests and their natural enemies were demonstrated.

Key words

[Pest](#) [Natural enemy](#) [Jujube orchard](#) [Community succession](#) [Interaction](#)

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