

研究报告

白蜡窄吉丁幼虫及其天敌在空间格局上的关系

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收稿日期 2004-12-27 修回日期 2005-4-1 网络版发布日期 接受日期

摘要

调查了白蜡窄吉丁幼虫与其寄生性天敌白蜡吉丁柄腹茧蜂和捕食性天敌啄木鸟啄食白蜡窄吉丁的啄痕在空间格局上的规律.结果表明,在林间水平方向上,白蜡窄吉丁幼虫呈聚集分布,白蜡吉丁柄腹茧蜂和啄木鸟的啄痕也表现为聚集分布;在垂直方向上,白蜡窄吉丁幼虫分布于地面至3.37 m以下的树干,主要集中于1.50 m左右的主干,天敌也集中在此范围内活动.

关键词 [白蜡窄吉丁,白蜡吉丁柄腹茧蜂,啄木鸟,空间格局,生态控制](#)

分类号

Spatial pattern relationships between emerald ash borer larvae and their natural enemies

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Abstract

The investigation on the spatial patterns of emerald ash borer (EAB) larvae, parasitoid *Spathius agrili*, and EAB-preying woodpecker pecks in ash forests showed that in horizontal direction, EAB larvae, parasitoid *S. agrili* and woodpecker pecks were in negative binomial distribution, while in vertical direction, EAB larvae were distributed on ash trunks from above ground to 3.37 m in height, with a peak around the 1.50 m. Their natural enemies also favored this range.

Key words [Emerald ash borer](#) [Spathius agrili](#) [Woodpecker](#) [Spatial pattern](#)
[Ecological control](#)

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