

论文

黑里河国家级自然保护区昆虫群落动态研究

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摘要:

2007年6~10月,笔者分8次对内蒙古自治区赤峰市黑里河国家级自然保护区的5种不同生境的昆虫群落进行了系统的调查研究,共获昆虫标本4 000余号,经鉴定这些昆虫分别隶属于11目65科176属223种。昆虫区系地理成分以古北种为主,未发现特有种。通过对不同生境昆虫种类和优势目昆虫的动态进行研究,结果表明不同生活环境中昆虫群落的种类和数量组成都有一定的差异,昆虫群落的物种数变化顺序为蒙古栎林林缘群落>河滩草地群落>平榛林林缘群落>白桦林林缘群落>人工针叶林群落;不同种类昆虫在不同的生境内其发生、盛发及消退的时间各不相同,表明昆虫的生活周期与其生活环境、季节变化的特点相适应。

关键词: 昆虫群落 种类 数量 赤峰市黑里河

Dynamics Study of Insect Community in Heilihe National Nature Reserve

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Abstract:

The insects collected in five different habitats (Quercus mongolica forest edge community, Betula platyphylla forest edge community, Corylus heterophylla forest edge community, manmade coniferous forest edge community and riverside meadow community) from Heilihe National Natural Reserve in Chifeng of inner Mongolia were investigated systematically eight times from June to October in 2007. In five habitats from Heilihe National Natural Reserve, more than 4 000 insect specimens were collected, which belong to 11 orders, 65 families, 176 genera and 223 species. The main fauna elements are Palearctic species. Special species were not found in this area. The study showed that the species and amount of community composition in different habitats were different, and the order of species variation of insect communities was Quercus mongolica forest edge community > riverside meadow community > Corylus heterophylla forest edge community > Betula platyphylla forest edge community > man made coniferous forest edge community. Time variation of occurrence, development and fadeaway of different kinds of insects in different habitats are different, and it indicates that flexibility exists among life circle, habitat of insect and season variation.

Keywords: insect community species quantity Heilihe of Chifeng city

收稿日期 2010-07-06 修回日期 网络版发布日期

DOI: CNKI:22-1100/S.201102

基金项目:

内蒙古教育厅高校科研资助项目 (NJzy0181)

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