

屋頂綠化對昆蟲回復效益研究(Green roof for insects recovery benefit studies)

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摘要

Since the modern urbanization of the 21st century, Change the land use process,

tend to reduce the urban green area. Past study physical environmental benefits in the green roof compare many, because the building roof of the physical environment,

maintenance and management, structural load and other constraints. Many findings suggest that green roofs planting drought-resistant plants are mainly crassulaceae、euphorbiaceae、portulacaceae such as planting is based.

In such a Architecture, this study by 14 green roofs in Taipei, by the different location environment divided into five categories, conduct field investigation planting the content of the base and by direct counting method survey of insects, including: butterflies, bees and dragonflies, analysis results to explore the green roof area, planting species、planting hierarchical structure and other factors of the regional environment, the association between insects recovery situation. Survey from August 2011 to November each base twice a month for eight times, the results of the investigation respectively calculate green area、plant species、plant hierarchical structure number、insect species、number of insects and regional environment, use statistical analysis of the above items the results obtained: 1. Green area in the differences in test results, and the number of insect species and the number of non-significant; 2. Plant species and butterflies、bees number both by the differences in test of significance level; 3. Plant hierarchical structure number and butterfly species、number、And bee species by differences in test of significance level, Result Plant hierarchical structure Three layers occurs when the maximum of insects; 4. Base is located near the

large green And the large green space around the base, Insect species and the number of more, among National Chengchi University integrated hall green roof except, may be from large green space around distance distant, however surrounding the large green mostly for the grass.

關鍵字：Ecological Stepping Stone、Biodiversity、Urban Habitat、Green Roof