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动物生产层

陇东黄土高原苜蓿田昆虫群落的组成与结构分析

王佛生, 邓芸, 霍转芳

摘要:

在陇东黄土高原苜蓿 (*Medicago sativa*) 田调查昆虫群落组成与结构, 共采集昆虫21 021头, 隶属12目69科115种。研究表明, 鞘翅目、鳞翅目、膜翅目昆虫科、种数较多; 同翅目、鞘翅目、半翅目和双翅目昆虫个体数量较多; 优势种群是豌豆无网长管蚜(*Acyrtosiphon pisum*)、苜蓿盲蝽(*Adelphocoris*)、条纹根瘤象(*Sitona lineatus*)。害虫、天敌、中性昆虫和益虫所占比例依次是67.54%、19.79%、11.20%和1.47%。

关键词: 陇东黄土高原 苜蓿田 昆虫群落 优势种群 多样性指数

Composition and structures of insect community of the alfalfa pasture in the Longdong Loess Plateau

WANG Fo sheng, DENG Yun, HUO Zhuan fang

Abstract:

A field survey was conducted to determine the composition and structures of insect community of alfalfa pasture in the Longdong loess plateau of. This study showed that the total number of insects was 21021, and they were subordinated to 12 orders, 69 families and 115 species, in which the species were the most from Coleoptera, Lepidoptera and Hymenoptera families, and the individual number of Homoptera, Coleoptera, Hemiptera and Diptera were the biggest. The dominant species were *Acyrtosiphon pisum*, *Sitona lineatus* and *Adelphocoris lineolatus*. The pest, the natural redator, the neutral insects and beneficial insects accounted for 67.54%, 19.79%, 11.20% and 1.47%, respectively.

Keywords: Longdong Loess Plateau alfalfa pasture insect community dominant species diversity index

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