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研究简报

淡色库蚊抗敌敌畏和抗氯氰菊酯品系的抗性演变

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摘要

本研究采用敌敌畏和氯氰菊酯对淡色库蚊敏感品系进行选育，至第42代，抗敌敌畏和抗氯氰菊酯品系的抗性指数分别为亲代的12.2倍和534.3倍。选育停止后经20代常规饲养，抗敌敌畏和抗氯氰菊酯品系的抗性指数分别降至6.1倍和83.3倍。表明淡色库蚊对敌敌畏和氯氰菊酯抗性形成和下降速度均不相同。

关键词 淡色库蚊 抗药性 敌敌畏 氯氰菊酯

分类号

Drug Resistance Evolution of Dichlorvos-Resistant and Cypermethrin-Resistant Strains of *Culex pipiens pallens*

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Abstract

Susceptible strain of *Culex pipiens pallens* was selected with dichlorvos and cypermethrin for 42 generations in the laboratory. At generation 42, the resistance level to dichlorvos and cypermethrin was 12.2-fold and 534.3-fold, respectively, in comparison to their parent generations. The dichlorvos-resistant and cypermethrin-resistant strains were then conventionally bred for another 20 generations, the resistance level to dichlorvos and cypermethrin decreased to 6.1-fold and 83.3-fold, respectively. The results indicated that the two resistant strains showed different development of resistance.

Key words *Culex pipiens pallens* Insecticide-resistance Dichlorvos Cypermethrin

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