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动物生产层

8种生物农药对草原蝗虫的田间防治效果评价

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摘要：

应用4种绿僵菌、白僵菌、0.3%印楝素、1%苦参碱和森得保8种生物农药对草原蝗虫进行了田间药效对比试验，以期筛选出防效较好的生物农药用于大面积推广。研究表明，0.3%印楝素、1%苦参碱和森得保防治效果显著优于其他5种生物杀虫剂，药后11 d防效均在90%以上。几种杀蝗绿僵菌油悬浮剂药后11 d防效在65%以上，白僵菌油悬浮剂防效较差。杀蝗绿僵菌、印楝素、苦参碱和森得保几种药剂均为高效、低毒的生物农药和植物源农药，可以替代化学农药用于草原蝗虫的防治。

关键词： 生物农药；草原蝗虫；防治效果

Evaluation of the efficacy of 8 types of biocide for controlling grasshoppers in field

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Abstract:

Experiments on the efficacy of 8 biocides for controlling grasshoppers were carried on in field, which included 4 types of Metarhisiums，Beauveria，0.3% Azadirachtin，1% Matrine and Sendebao, for screening out several good biocides to popularize in a large scale. The results of this study showed that the effect of 0.3% Azadirachtin，1% Matrine and Sendebao were better than that of other 5 biocides on controlling grasshoppers and their efficiency reached 90% on the 11th day after spraying in field. The effect of 4 types of Metarhisiums reached 65% on the 11th day after spraying and Beauveria was poorer. Metarhisium，Azadirachtin，Matrine and Sendebao can be used as substitutes for organic phosphorus and cycloprothrin pesticide in field due to their good effect, low poison and stemming from vegetation.

Keywords: biocide; grasshopper; control effect

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