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论文

不同地理来源球孢白僵菌菌株的生物学特性

刘兴磊^{1,2},王金刚¹,张正坤²,徐文静²,李启云²

1. 东北农业大学园艺学院,哈尔滨150030; 2. 吉林省农业科学研究院植物保护研究所,公主岭 136100 **摘要:**

关键词: 球孢白僵菌;生物学特性;菌落形态;胞外蛋白酶产生水平

Biological Characteristics of |Beauveria bassiana Strains of Different Geographic Sources

LIU Xing-lei^{1,2}, WANG Jin-gang¹, ZHANG Zheng-kun², XU Wen-jing², LI Qi-yun²

1. College of Horticulture, Northeast Agricultural University, Harbin 150030, China | 2. Institute of Plant Protection, Jilin Academy of Agricultural Sciences, Gongzhuling 136100, China

Abstract:

Fifteen wild strains of Beauveria bassianawere collectedand isolatedfrom 10 regions of Jilin province. Their spore germination rate, colony diameter, sporulation and extracellular protease production level were compared. The results indicated that high spore germination rate strains were the conidia type, fast growing strains of colony type were the hyphae type, and strains' characteristics between the conidia type and the hyphaetype were the mixed type, respectively. Protease activity test showed that there was no correlation between extracellular protease production level and colony morphology. In conclusion, the strains of D421 and CHL20 were potentialstrains for biological control.

Keywords: Beauveria bassiana biological characteristics colony morphology extracellular protease production level

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通讯作者:

作者简介: 刘兴磊,女,硕士研究生,研究方向:生物农药。

作者Email:

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