

园艺—研究报告

不同秸秆培养基对平菇生长影响的比较研究

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摘要:

为了解不同作物秸秆主料培养基对栽培平菇所表现出的差异,以便于因地制宜指导生产,特进行试验。设置12种秸秆材料作主料配制培养基栽培平菇,观察并记录。结果表明,平菇菌丝在各培养基中的生长速度、长势及头茬子实体产量都表现出明显差异。根据各培养基的成分特点,主要表现在以下几个方面:当C/N在20~50之间,且培养基中可溶性糖与粗纤维的质量比在1附近时,菌丝生长情况最好,产量最高;当C/N在20~50之间,可溶性糖与粗纤维的质量比大于1.5以上时,菌丝长势差,易死菇或不出菇;当可溶性糖与粗纤维质量比在1附近,但C/N过大,超过50以上,菌丝生长速度慢,长势差,产量低。综上,秸秆成分影响平菇生长,用不同秸秆作主料栽培平菇时,必须根据其成分特点作适当调整。

关键词: 比较分析

Research on Comparison in Different Straw and Stalk Substrates Work on the Growth of Oyster Mushroom

Abstract:

In order to know the dissimilar result of using several straw and stalk substrates to plant oyster mushroom and to convenient for adjusting measures to local conditions in yielding mushroom, so the tests were set up especially. Twelve kinds of straw and stalk substrates were put up to plant oyster mushroom, observe and memorize in every period. Results showed that the growth speed, the way corp was growing, the yield for the first time of the oyster mushroom's mycelial present remarkable difference. According as the ingredients of the different substrates, there were several aspect characteristics in the tests: First, when the range of C/N was from 20 to 50, and that the ratio between the disolubility glucide and the gross fibrin in the substrate was near the 1, the mycelial's growth was the best, the yield for the first time was the highest; Second, when the range of C/N was from 20 to 50, but the ratio between the disolubility glucide and the gross fibrin in the substrate was higher than 1.5, the way corp was growing of the mycelial was worse, the mushroom in small was easy to die; Third, when the ratio between the disolubility glucide and the gross fibrin in the substrate was near the 1, but the range of C/N was more higher than 50, the growth of the mycelial was slow, the way corp was growing was worse, the yield for the first time was lower. Because the ingredients of straw bale work on the growth of oyster mushroom, the straw and stalk substrate must be adjusted before using it to plant oyster mushroom.

Keywords: comparative analysis

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