

## **Cultivation of oyster (*Pleurotus ostreatus*) mushroom on sawdust with different types of spawns**

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### **Abstract**

A study was conducted to examine the effect of different spawn types on oyster (*Pleurotus ostreatus*) mushroom produced on sawdust. Spawn running (mycelia development), pinhead formation, fruit body formation, and yield of oyster (*Pleurotus ostreatus*) mushroom on sawdust spawned with different types of spawns were studied. Locally available kurakkan (*Eleusine coracana*), maize (broken) (*Zea mays*), sorghum (*Sorghum bicolor*), and paddy (*Oryza sativa*) were used for spawn production. Four spawn types were tested on a medium based on sawdust. The experiment was designed as a complete randomized design with three replicates. The fastest spawn running of  $21 \pm 1$  days, pinhead formation of  $35 \pm 1$  days, and highest yield of  $46.37 \pm 0.67$  g were realized with the three other types of spawns. The kurakkan (*Eleusine coracana*) spawn accelerated spawn running, pinhead formation, and fruit body formation and increased yield, when compared with other spawn types viz; maize (*Zea mays*), sorghum (*Sorghum bicolor*), and paddy (*Oryza sativa*).

**Keywords:** *Eleusine coracana*, *Oryza sativa*, *Pleurotus ostreatus*, *Sorghum bicolor*,  
Spawn *Zea mays*.