

Comparative study of different grains on spawn development of *Pleurotus sajor caju* (Fr.) Singer

■ AMBALIKA GUPTA AND PRASHANT SHARMA

SUMMARY

In recent years there is great advancement in mushroom technology. The domestication of various mushroom species has been tried globally. Many of which are now commercially cultivated for food as well as medicinal purposes for an amateur and professional cultivator. The production of mushroom has become important factor, which does not promote the growers. The important priority of profession is to maximize the production of mushroom by using various techniques. Mushroom seed (Spawn) production involves sophisticated technology with high investment requiring laboratory and equipments with accessories. The major constraint in mushroom production is non-availability of spawn. The technology of spawn production is given by eco-care and aware. Mushroom which is a fleshy saprophyte fungus are found growing on damp rotten log of wood trunk of trees, agricultural waste material, decaying organic matter and in damp soil rich in organic substrates. Three grains viz., wheat, rice and gram were tested for production of *Pleurotus sajor caju* spawn. *Plurotus sajor caju* spawn has been recognized as a highly potential converter of cheap cellulosic material in to valuable protein at a very nominal cost. The results obtained during the present investigation, rice grains (8.33 days) were found to be the best grains for speedy development of spawn of *Pleurotus sajor caju* (Fr.) Singer. Whereas wheat and gram grains (12.33 days) took same period of spawn development of *Pleurotus sajor caju* (Fr.) Singer.

Key Words : *Pleurotus sajor caju*, Grain spawn, Spawn run time

How to cite this article : Gupta, Ambalika and Sharma, Prashant (2014). Comparative study of different grains on spawn development of *Pleurotus sajor caju* (Fr.) Singer. *Internat. J. Plant Sci.*, 9 (1): 190-192.

Article chronicle : Received : 31.08.2013; Revised : 09.11.2013; Accepted : 19.11.2013

MEMBERS OF THE RESEARCH FORUM

Author to be contacted :

AMBALIKA GUPTA, Rungta College of Science and Technology (R-1),
BHILAI (C.G.) INDIA
Email: ambalika06gupta@gmail.com

Address of the Co-authors:

PRASHANT SHARMA, Biotech Lab Training and Demonstration Centre,
AMBIKAPUR (C.G.) INDIA
Email: prashantbiotech@yahoo.co.in