

Propagation and production of the Shii-Ta-Kee mushroom in north of Iran

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To produce and propagate the Shii-Ta-Kee mushroom on the northern forest wood of Iran, a series of experiments were conducted on the farm as well as laboratory under research project in 1995 in two phases:

1. To propagate the spawn of Shii-Ta-Kee on the three beds of saw dust, woods particles of one cm long, and artificial nutrition of medium (Malt extract agar).
2. Injection into the three type of woods (*Populus deltoides*, *Quercus castanifolia* and *Alnus glutinosa*).

It has been found that saw dust medium and malt extract agar were covered completely with Shii-Ta-Kee's mycelium within a month, whereas progress of mycelium over the wood particles of one cm were observed after 14 months.

Injection into the bed logs with Shii-Ta-Kee spawn purchased from Germany and also Shii-Ta-Kee spawn prepared in the laboratory has not shown any result so far. As the full progress of mycelium in the bed logs takes between 1 to 2 years, therefore we can expect the production of Shii-Ta-Kee mushroom in beginning of the next spring.