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About Mycoforest Technology



This is a new application to inoculate (to seed) wild edible mushrooms directly in forests.

With this new technology you'll be able to introduce edible mushrooms with high market value in your woods, and, as they become healthier, you will obtain a secondary crop besides timber.

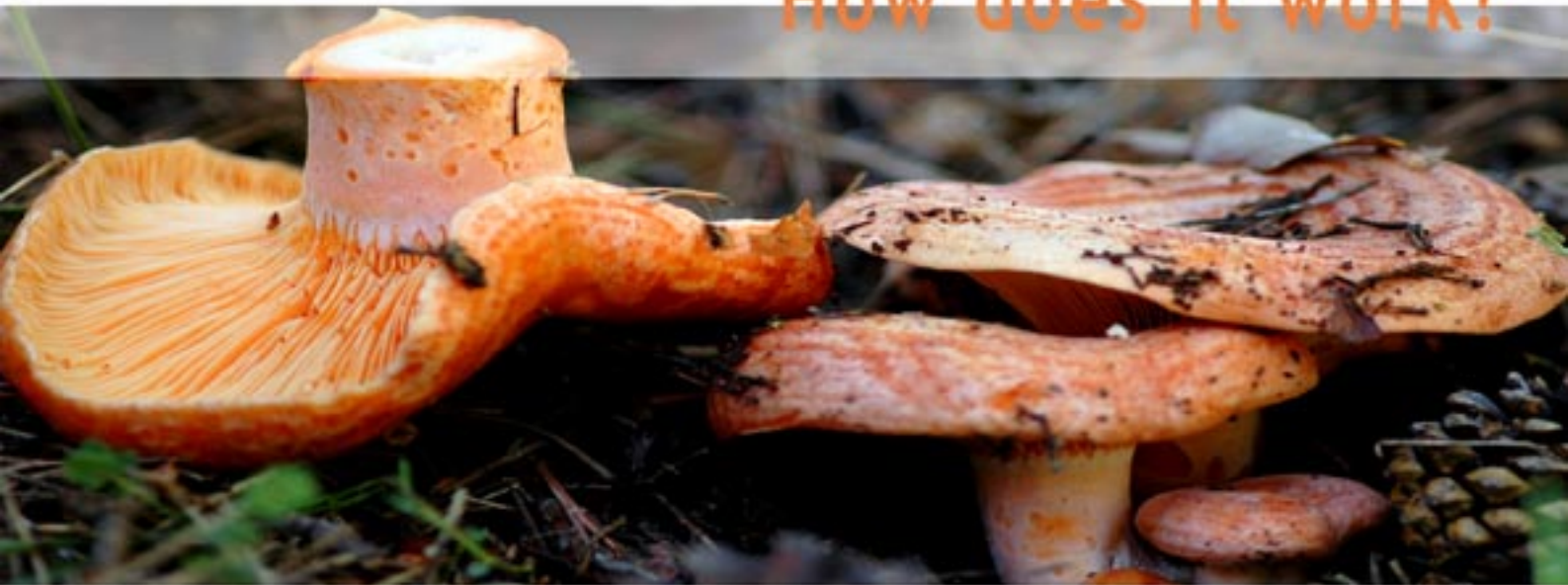
The main goals of the new technology is that it can be used directly on mature trees and fruiting occurs just one year later.

It can be used by forests owners and Governments interested in developing a wild mushroom harvest industry, to obtain an economic profit from the forests or in relation with rural development in forest areas.



Value for your Woods

How does it work?



Most of the wild mushrooms live associated to the roots of the trees, in a symbiosis called **mycorrhiza**. Our company has developed biotechnological procedures to establish and enhance these associations between some important market fungi and some woods. 99% of the tree species are mycorrhiza dependent. Therefore, being able to infect their roots with selected fungi will improve tree fitness as well as provide you a new income from the mushrooms fruiting every autumn.

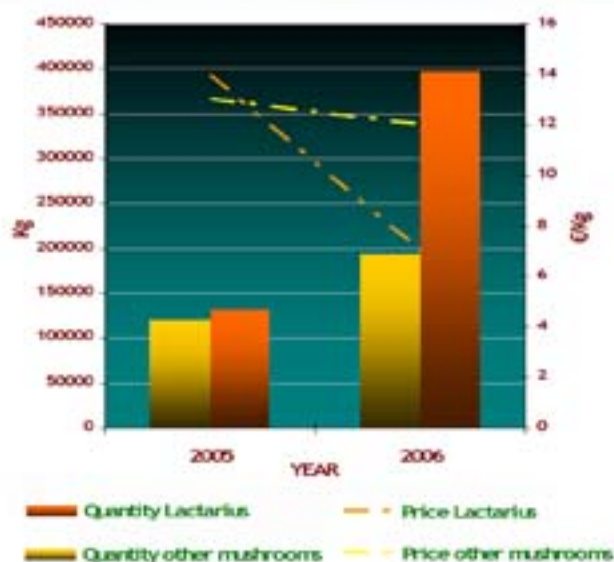
With the proposed technology, **truffles**, **boletus (porcini)** and **saffron milk cap** mushrooms can be cultivated in forests.

Mycoforest Technology involves three steps:

- 1** **The mushroom seed (spawn) production.** You'll be able to produce your own spawn or to order it from our lab in Spain. Inoculation should be done twice (spring plus autumn) but only the first year. Once inoculated mushrooms will fruit every year for the next 20 years.
- 2** **The equipment for inoculation on forests.** We have developed an injector that can be adapted to a tractor or to a bulldozer. As it works trough the trees spawn is injected to their roots
- 3** **Follow up the forest management.** To ensure the best mushroom productions in each ecosystem. Every mushroom prefers some special canopy, tree density, age of the stand, etc. There are mathematical models for mushroom fruiting in order to predict when they will fruit and how large productions will be.



Profits using Mycoforest Technology



Between one and two years after the seeding (inoculation), mushroom crops will fruit, providing added value to the forest. The new crop is completely compatible with timber production and management.

Between 300-1000 €/Ha/year can be obtained with the new crop. Wild mushroom market is a global trade, where mushrooms harvested in Asia or America are sold within a few days in European markets. (Fig. on the left: Wild mushroom trade in Barcelona city, Spain)

Wild mushrooms have become a fashion in nowadays cuisine, because of their flavours but also for their health and medicinal properties.



Wild mushroom is a global market (exports in Tonnes). FAO 2004

Who is Micologia Forestal & Aplicada?



Mycoforest Technology has been developed by Micologia Forestal & Aplicada SL (Forestry & Applied Mycology Ltd), a Spanish company, located in Barcelona, who has been doing research with mycorrhizas and wild mushrooms since 1989.

In 1990, we created the first nursery specialized in forest seedling production infected with wild mushrooms. Our continuous research and development made it possible to become world leaders in new technologies for wild mushroom culture. At present, **Mycoforest Technology** is the only technology available to fast-infect edible mushrooms directly in forests.

If you are interested in Mycoforest Technology

Send us an email and we will propose a Memorandum of Understanding (MOU) and a questionnaire in order to start with the viability and technical study. Depending on expected profits, we will develop a contract of Technology Transfer License.



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