

**Visit the experts of INBIO  
Biodiversity Institute  
in order to find answers for Floripe's problem with the  
beetle that affects the mushrooms**

**Overview of INBIO  
Biodiversity Institute**

[www.inbio.ac.cr](http://www.inbio.ac.cr)

## What we learned about the beetle and the mushrooms after we investigated at INBIO and on the internet

- The genus of the beetle is *Mycotretus sp*  
It is both tropical and subtropical. The larvae probably live in the straw that surrounds the mushroom.
- Angel Solis (entomologist from INBIO) will keep the beetles in order to find out the species.

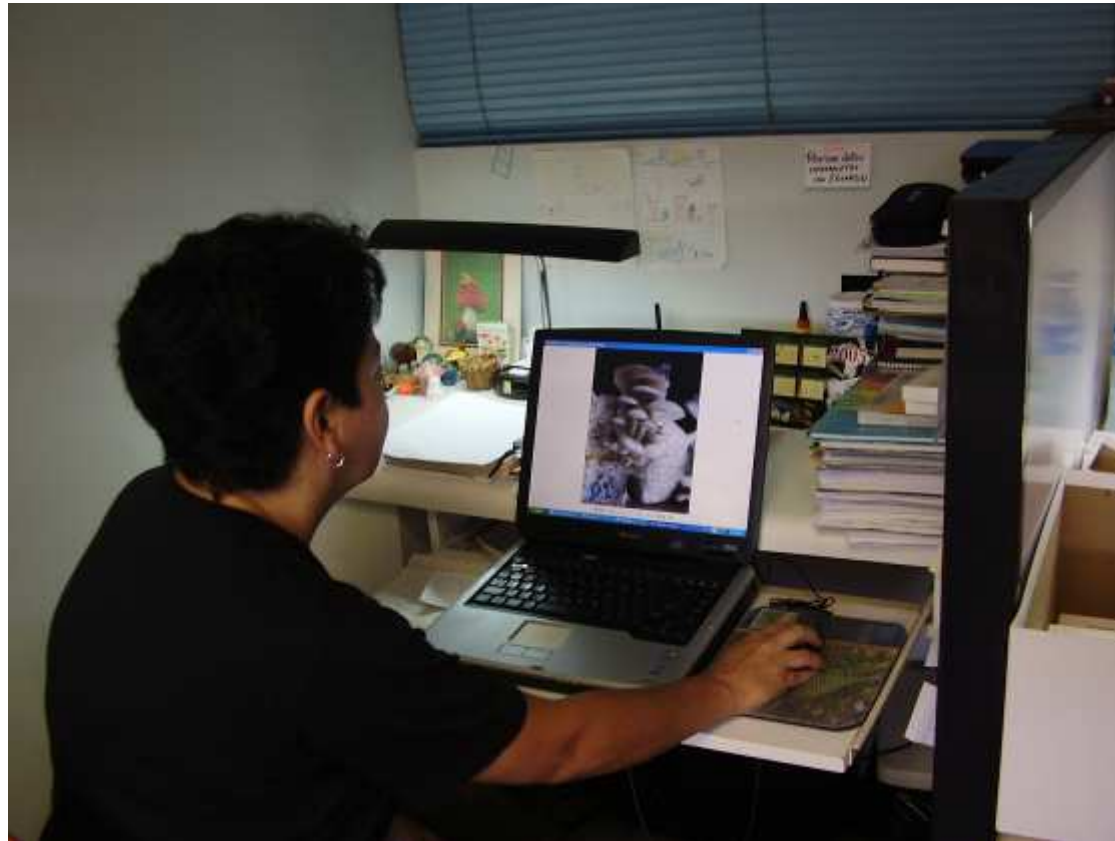
## What else...

- The species of mushrooms are *Agaricus bisporus* and *Pleurotus ostreatus*.
- The beetle *Mycotretus* sp has a very fast life cycle and appears in May.
- Organic pesticides must be used because the mushrooms are absorbent.

# Rachel looking at the beetle



## Milagro from INBIO showing what a healthy mushroom should look like



# Mansour and Rachel presenting the situation to experts at INBIO



# Investigation through internet



## What we found in internet and books

Su control se hace colocando protectores en las entradas del aire de la planta y evitando dejar puertas abiertas. Se recomienda regar o aplicar soluciones desinfectantes (formalina al 2%) en piso y paredes. Debido a la baja e irregular incidencia de esta plaga en EUA y europa, es escasa la informacion sobre substancias disponibles para su control quimico.

# Literatura para consultada

- Manual practico del cultivo de setas. Aislamiento, siembra y produccion
- Rigoberto Gaitan Hernandez Dulce Salmones Perez Merlo, Gerardo Mata
- Cultivo de Iso hongos comestibles INBIO con especial atencion a especies tropicales y subtropicales en esquimos y residuoos agroindustriales.
- Gaston Guzman, Gerardo Mata, Dulce Salmones, Conrado Soto, Velazco y Laura Guzman Davalos
- Instituto Politecnico Nacional.
- Xalapa Veracruz

## We say thank you to:

- Milagro Mata and Loengrid Umana from INBIO. Department of Mycology
- Angel Solis Entomologist from INBIO.