

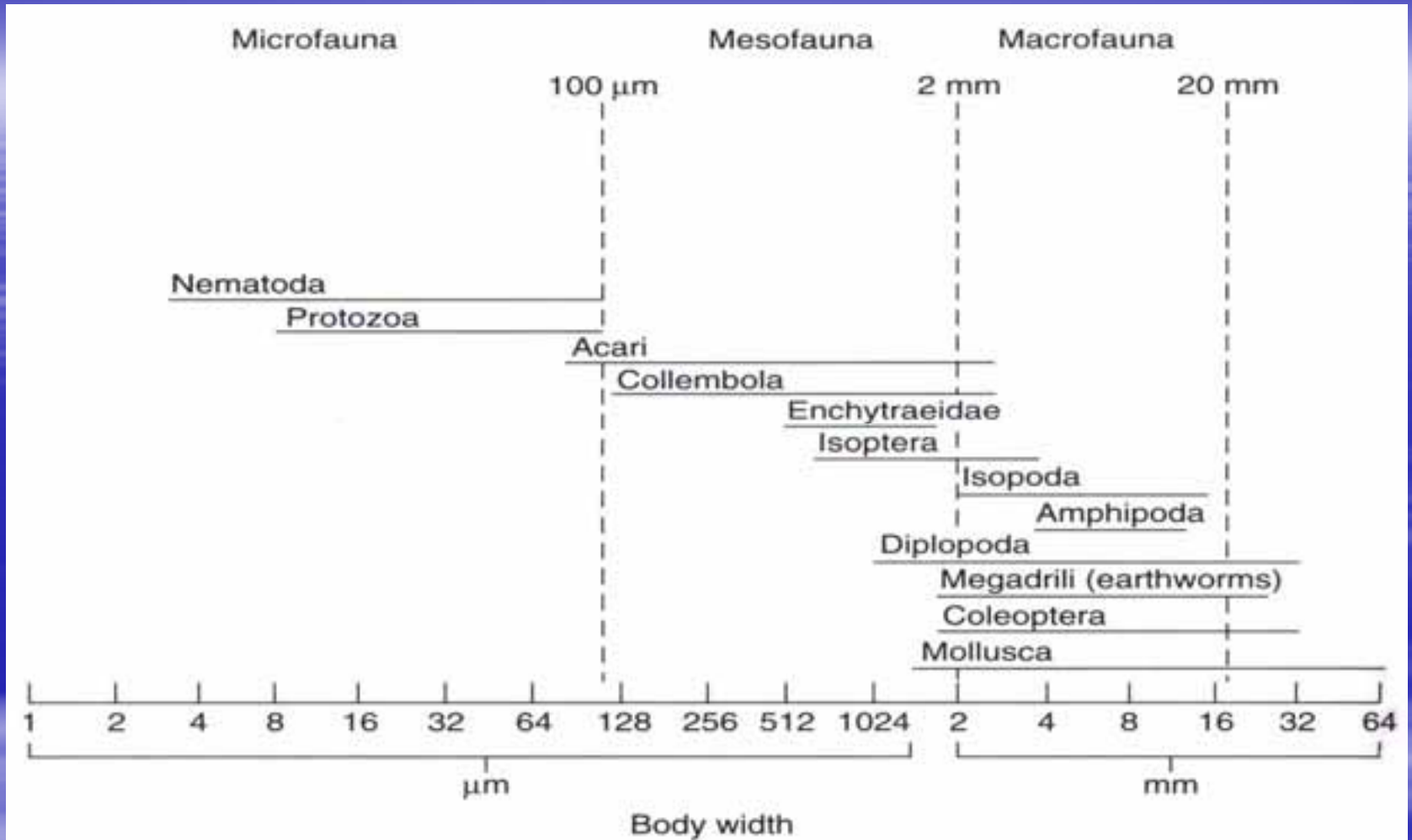


*Impacts of DMC  
systems on the  
dynamic and  
structure of soil  
macrofauna  
communities in Sakon  
Nakhon Province,  
Thailand*

Cirad, Kasetsart University

# Size Classification of Fauna

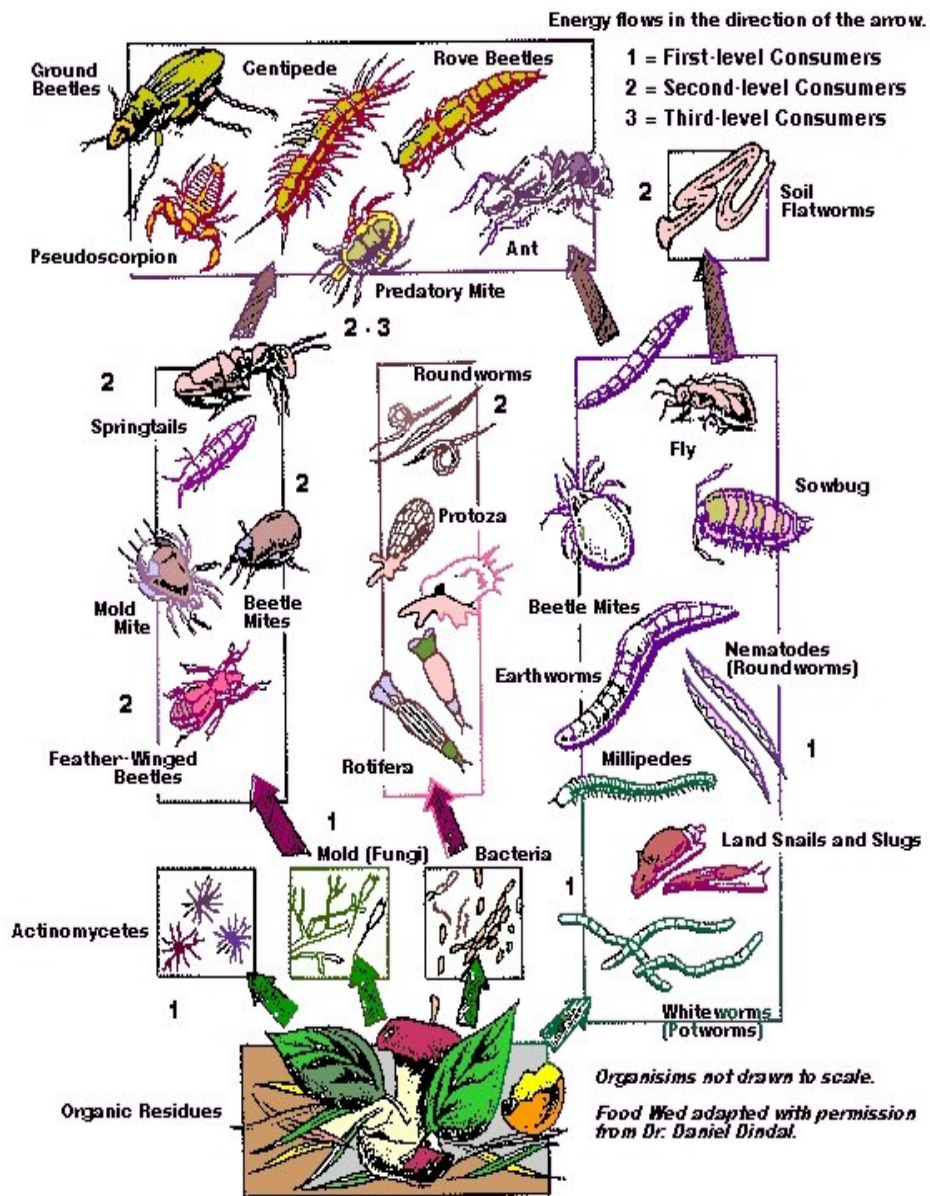
Document obtenu sur le site <http://Agroecologie.cirad.fr>



## Size category (length)

- Microfauna (< 0.2 mm)
- Mesofauna (0.20 mm - 2 mm)
- Macrofauna (> 2 mm)

# Soil organism

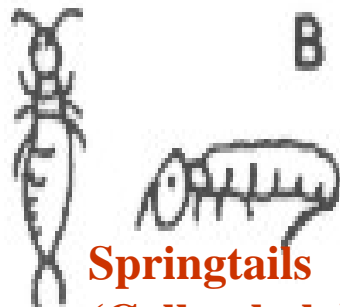


drive

Interactions between soil fertility and agricultural practices



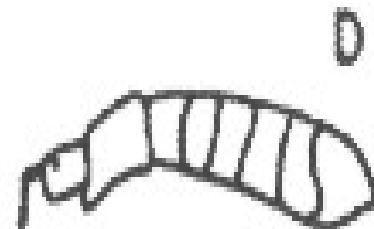
**Mites (Acarina)**



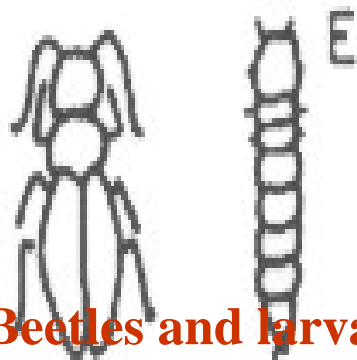
**Springtails (Collembola)**



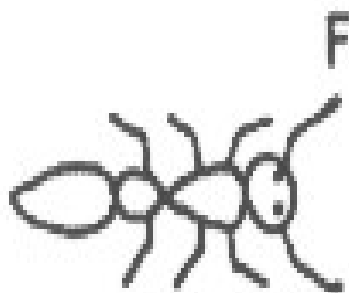
**Spiders (Araneida)**



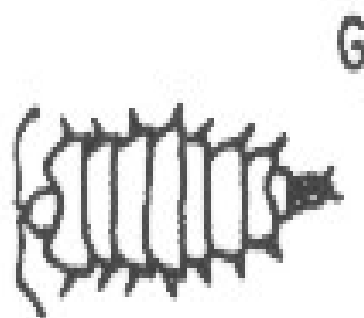
**Fly larvae (Diptera)**



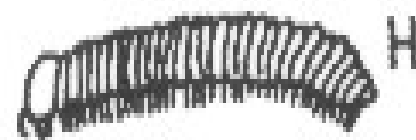
**Beetles and larvae (Coleoptera)**



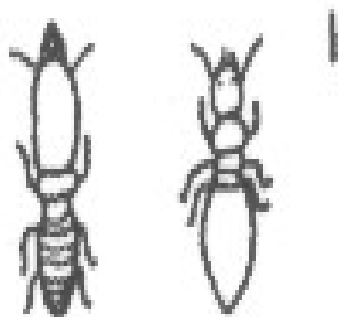
**Ants (Hymenoptera)**



**Woodlice (Isopoda)**



**Centipedes and millipedes (Myriapoda)**



**Termites (Isoptera)**



**Earthworms (Lumbricida)**



**Potworms (Enchytraeida)**



**Nematodes (Nematoda)**

**DMC systems (litter quality)**



**Macro-Micro-organisms and parasite  
(Biodiversity, Activities)**



**Total diversity / Fonctionnal diversity**

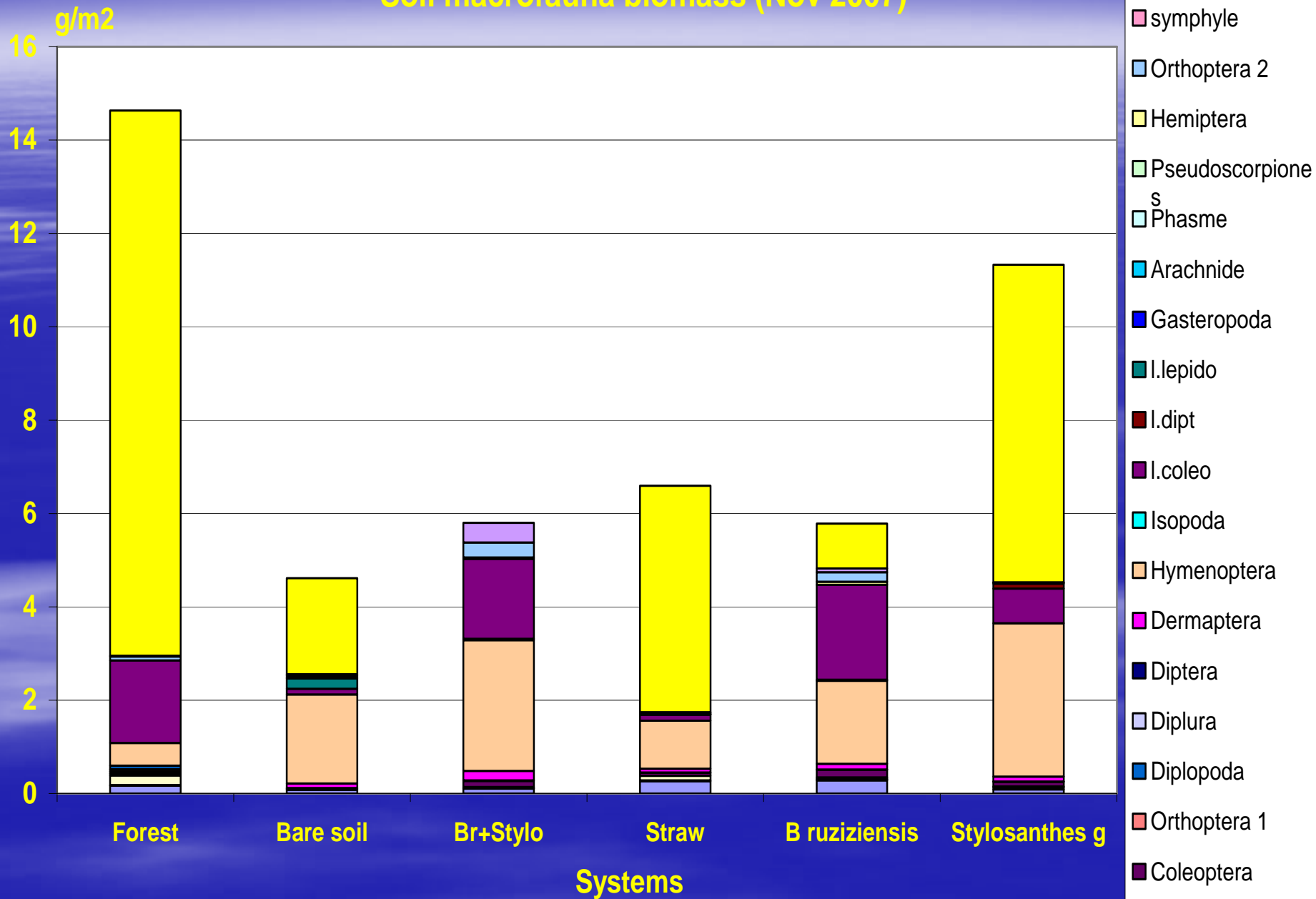




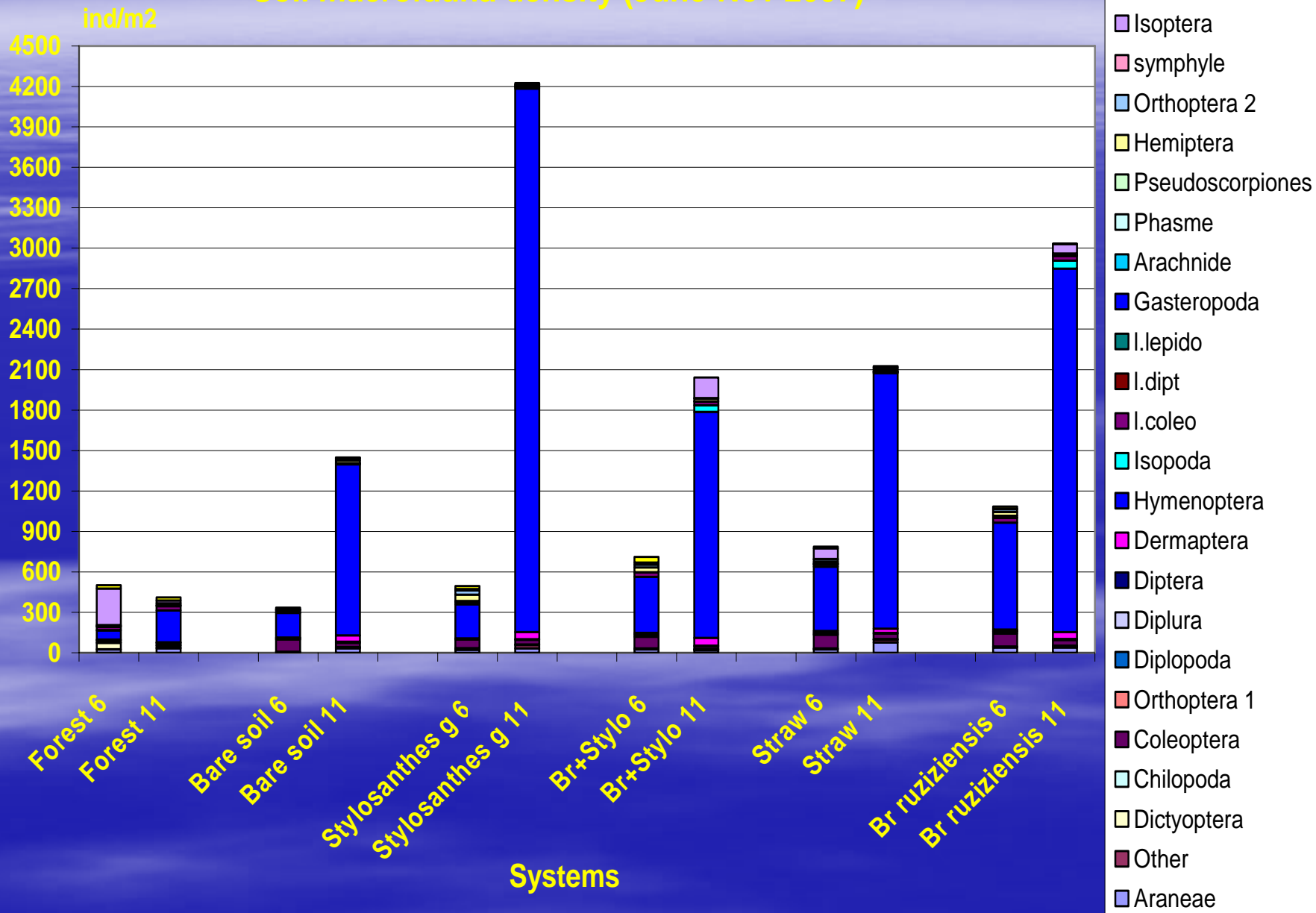




## Soil macrofauna biomass (Nov 2007)

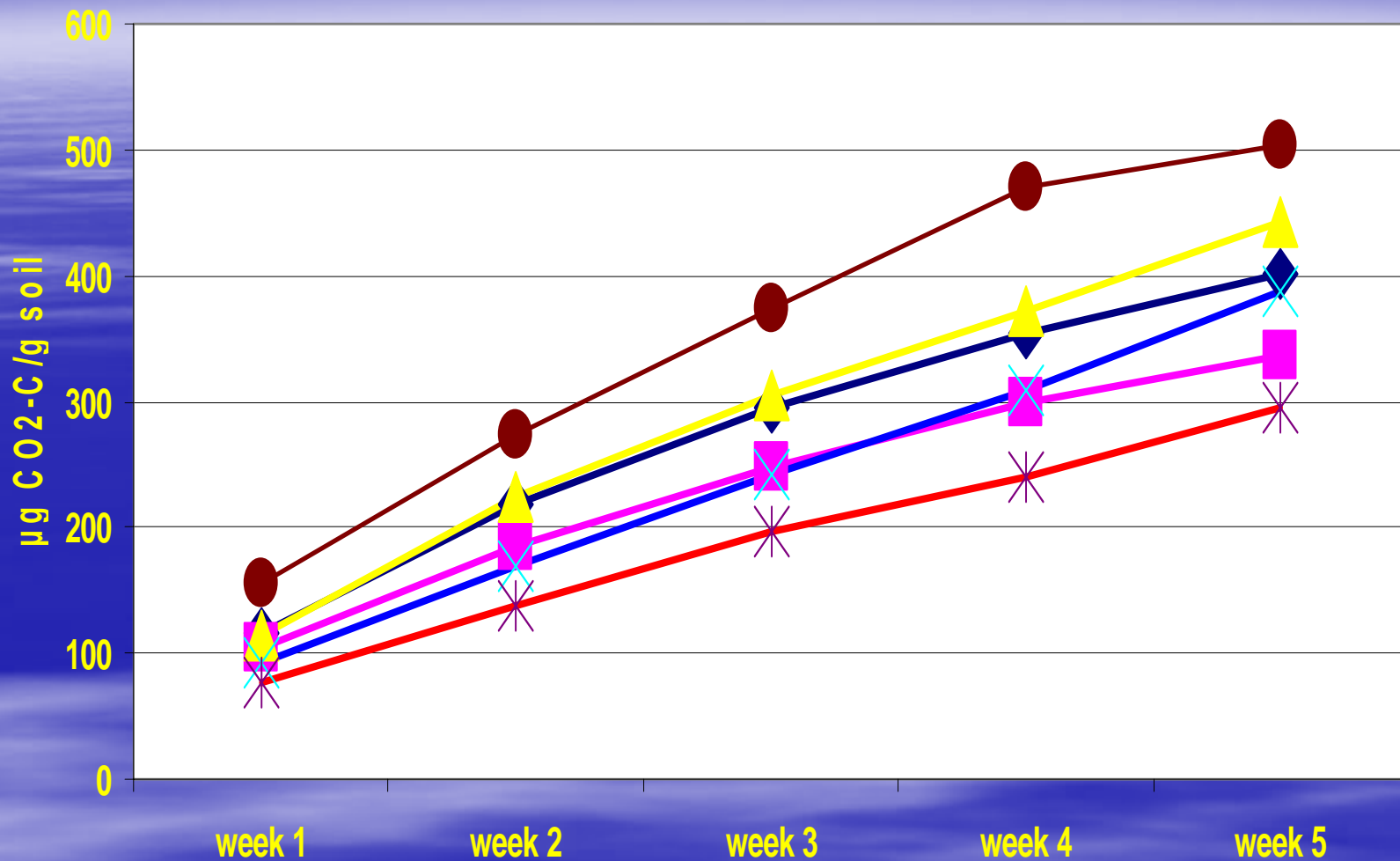


## Soil macrofauna density (June-Nov 2007)

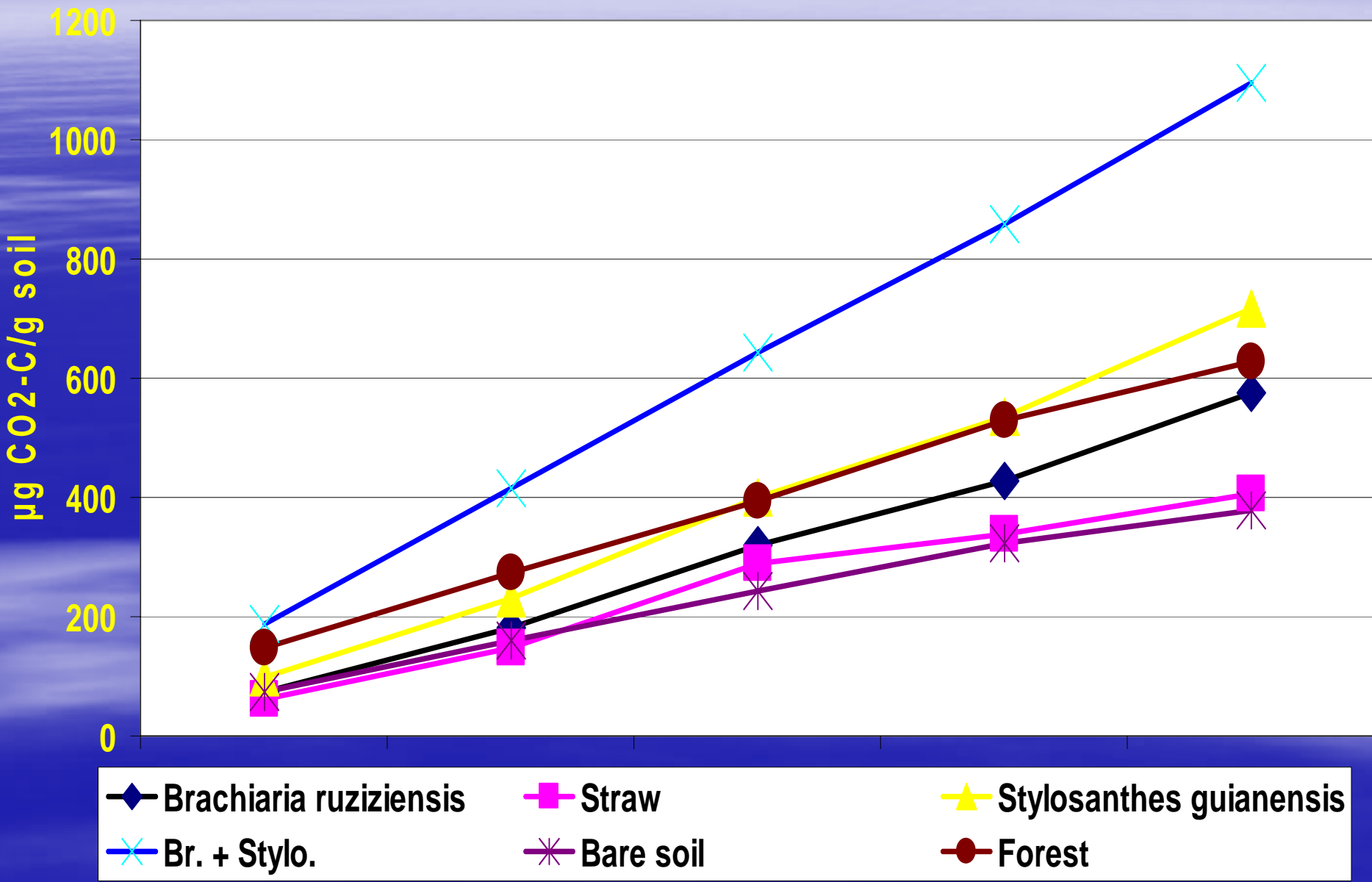




### Cummulative CO2 respiration (0-10 cm) June 2007



## Cummulative CO2 respiration (0-10 cm) November 2007



# Questions

- Diversity of fonctionnal groups /litter quality and/or litter biomass?
- Total diversity or specific?
- What is the place of soil parasite (nematodes) in the soil fertility?