

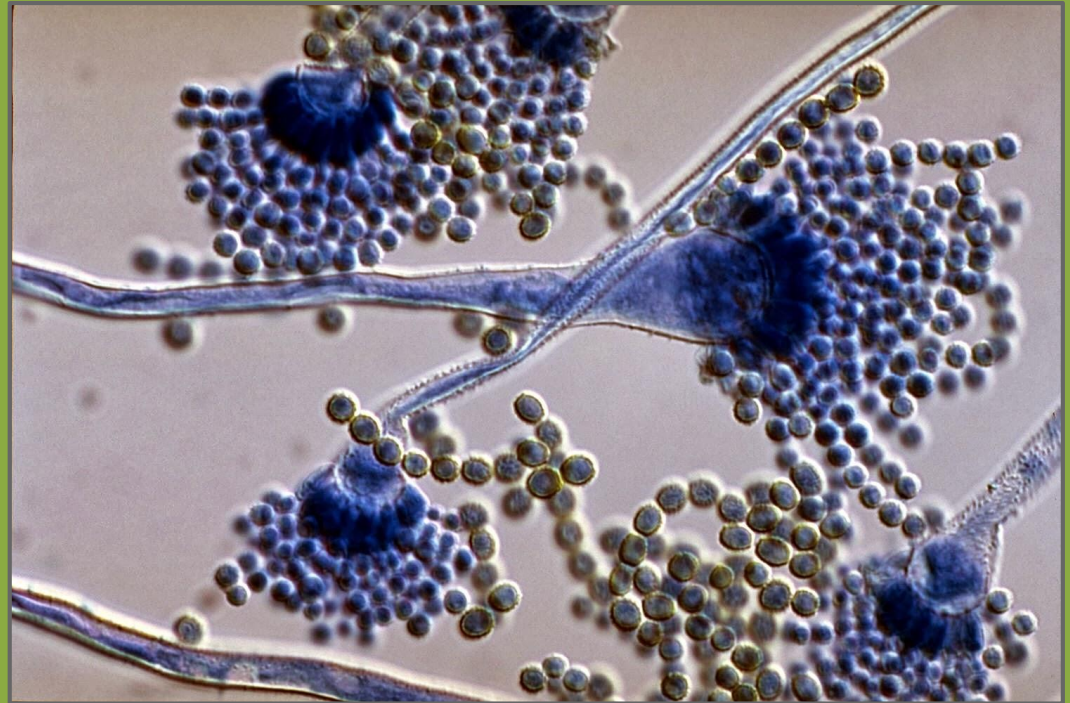
Fungal Biology

- Ubiquitous mycelia
- generally decomposers
- numerous parasites



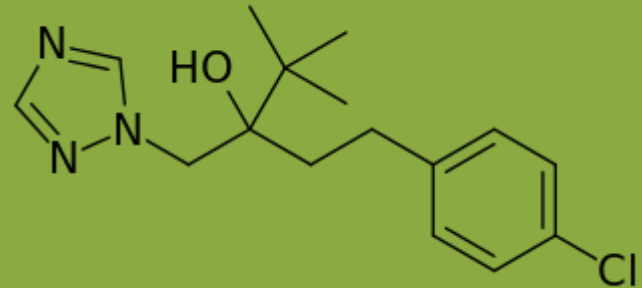
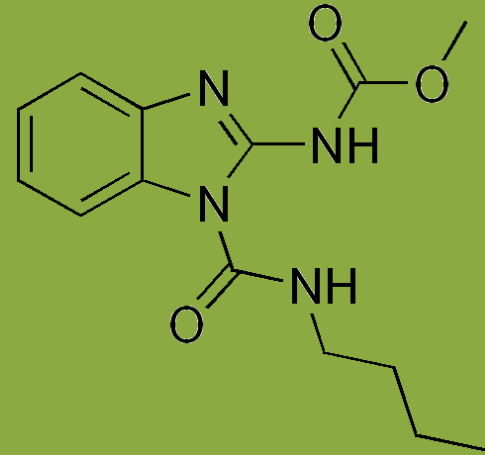
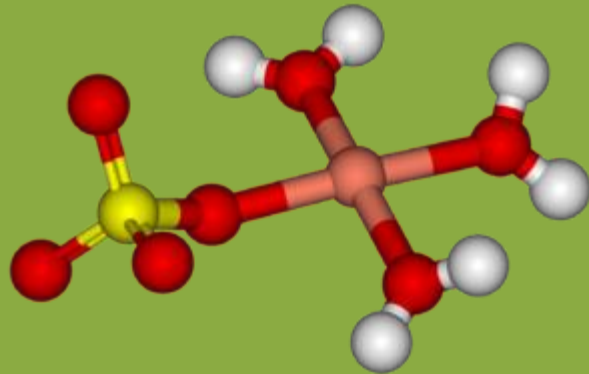
Fungal Biology

- Unique reproductive structures
- Sexual and/or Asexual

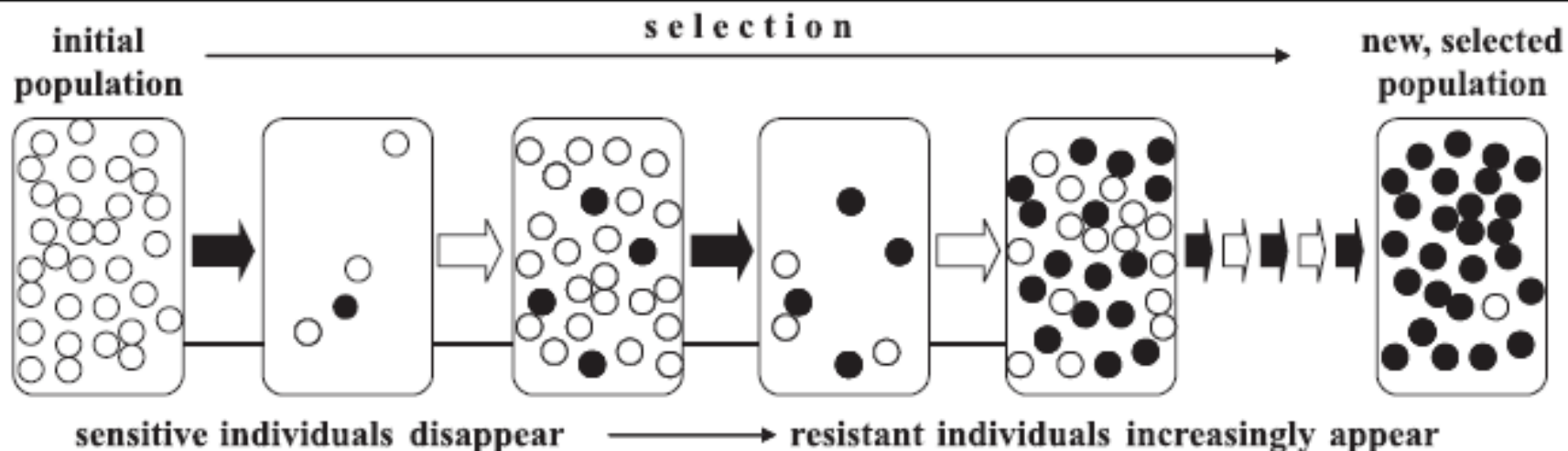


Fungicides

- 1880s: first commercial fungicides
- Generally decreasing toxicity and dose.
- Resistance since 1970s.
- Currently, resistance in 55% of ag. diseases.



Resistance

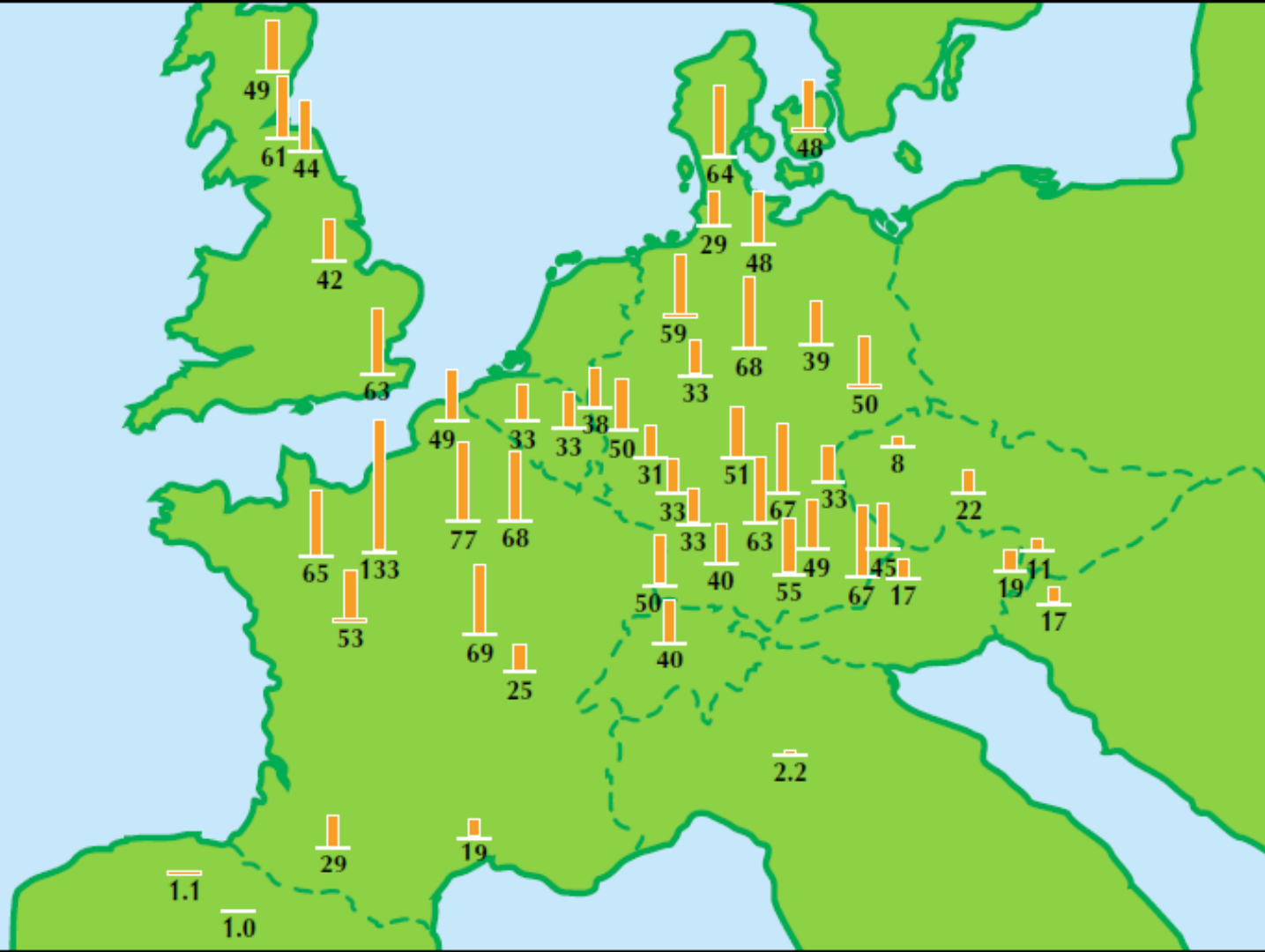


○ sensitive individual

● intermediate individual

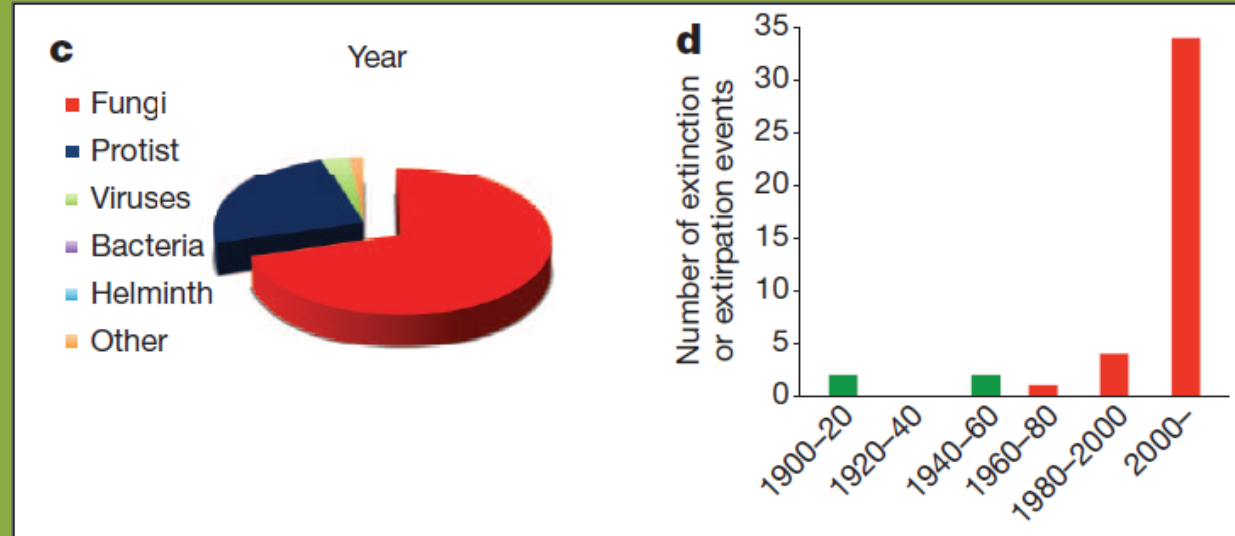
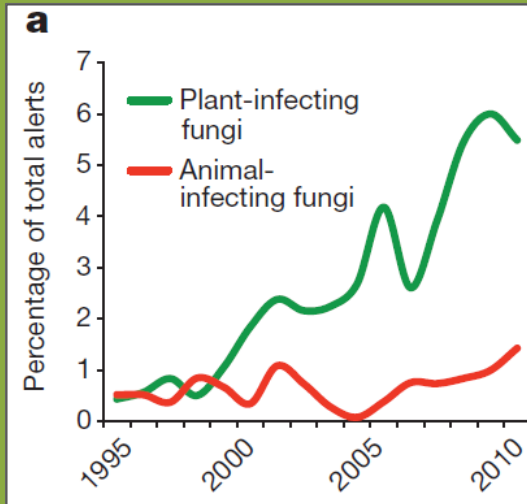
➡ fungicide application

⇨ regeneration



Emerging Diseases

- Fungal diseases are a growing threat to plants, animals, and humans.
- Climate change, Land-use change and global trade intensify risks.



Emerging Diseases

