

Pesticides – designed to kill







Weeds

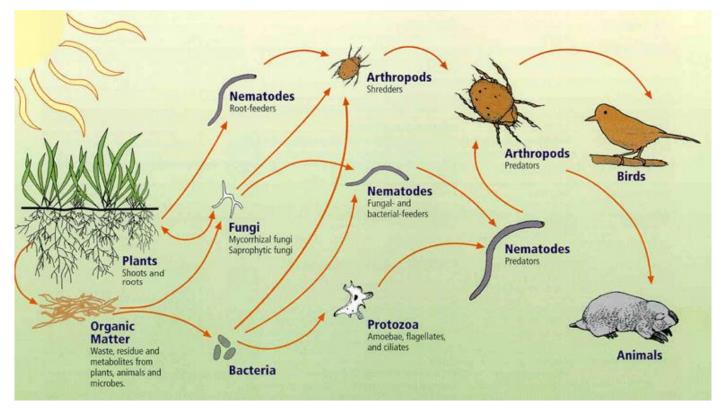
Insects

Fungi/Pathogens



Pesticides – unwanted effects (1)

 Effects on target and non-target organisms in the field result in cascading food web effects



https://www.soilfoodweb.com.au/



Pesticides – unwanted effects (2)



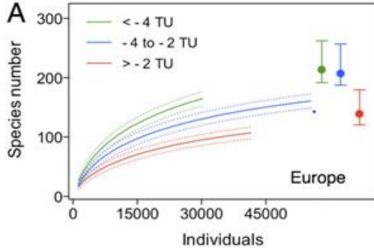


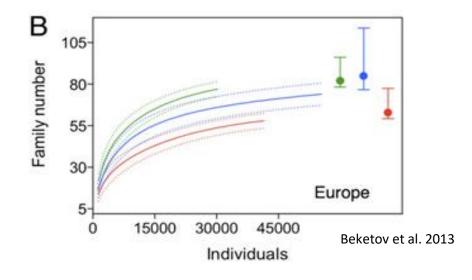
Reach many habitats outside the field

- Other fields, organic fields
- Semi-natural habitats
- Natural habitats

Sub-lethal effects

- Reduced and delayed flowering, with consequences for flower-visiting insect
- Reduced fertility and reproduction of terrestrial and aquatic organisms
- Behavioural changes on e.g. bee homing







Sensitive areas – where do we find them?

Protected habitats

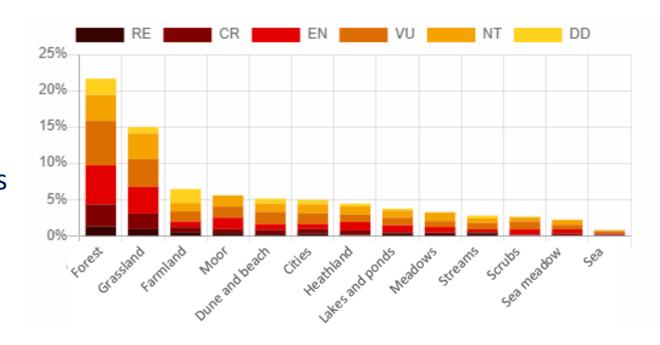
Habitats with high numbers of threatened species

 Small semi-natural habitats intermingled into agricultural land

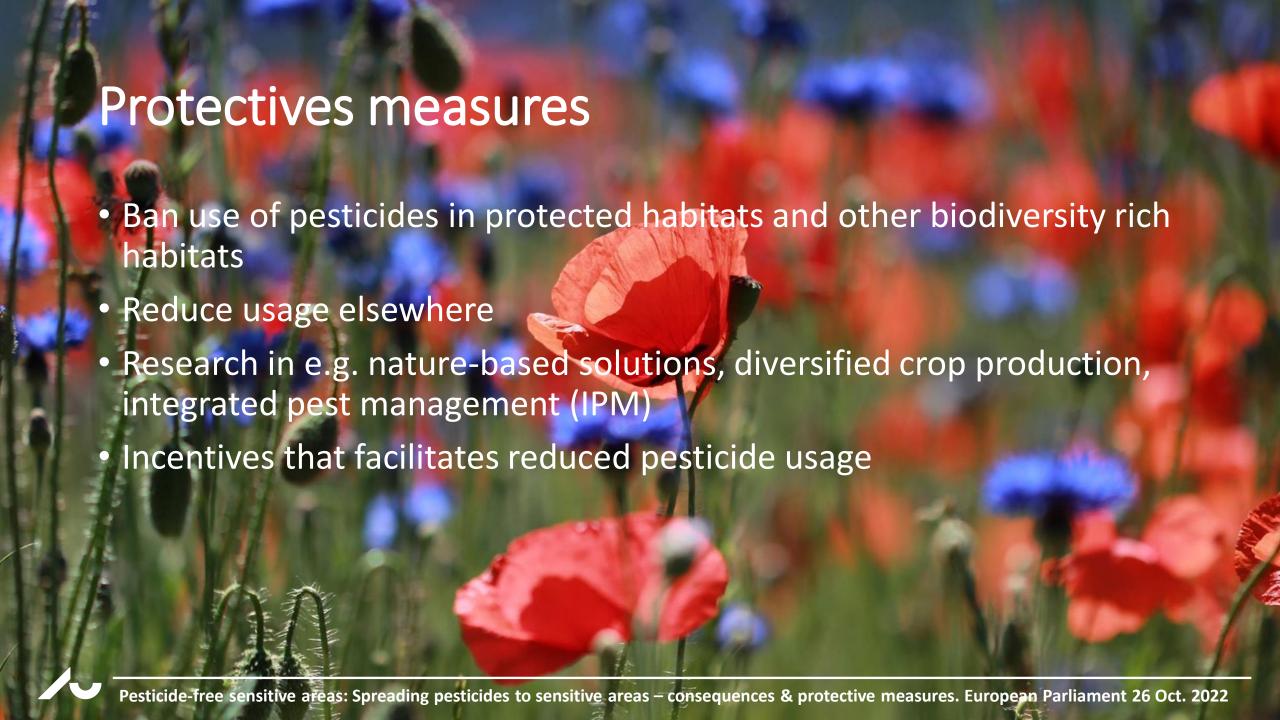
Biodiversity in fields

- Loss of important ecosystem services (pollination, biological pest control, erosion control, water storage capacity, soil health)
- Loss of sustainability

Percentage of red list species in different habitats in Denmark







Thank you for your attention

