

What is carbon sequestration?

- Natural or artificial process by which carbon dioxide is removed from atmosphere and held in solid/liquid form

What is carbon sequestration important?

- It can remove CO₂ from the atmosphere
- Grazing practices that favour soil organic carbon have benefits for farmers including soil quality & cost reduction

Practices that ↓ carbon sequestration

- Grasslands used for silage & hay
- Cultivating the sward
- Poor grazing management that result in frequent reseeding (<5 years)

Practices that ↑ carbon sequestration

- Grazing only pastures
- Fertiliser management
- Grazing infrastructure
- High plant diversity in swards
- Maintain permanent grassland

Grasslands in Europe have large potential to act as carbon sinks



Take home messages

- Grasslands can act as a carbon sink
- Carbon sequestration is influenced in grassland by management factors
- Sequestration has benefits for both atmosphere and farmer