



# Trees on livestock farms



WOODLAND  
TRUST

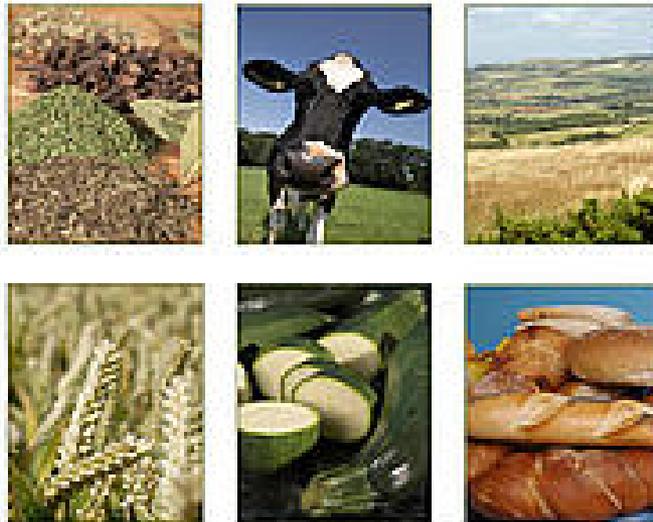




[www.defra.gov.uk](http://www.defra.gov.uk)

## Green Food Project Conclusions

July 2012



Government Office for **Science**

Foresight

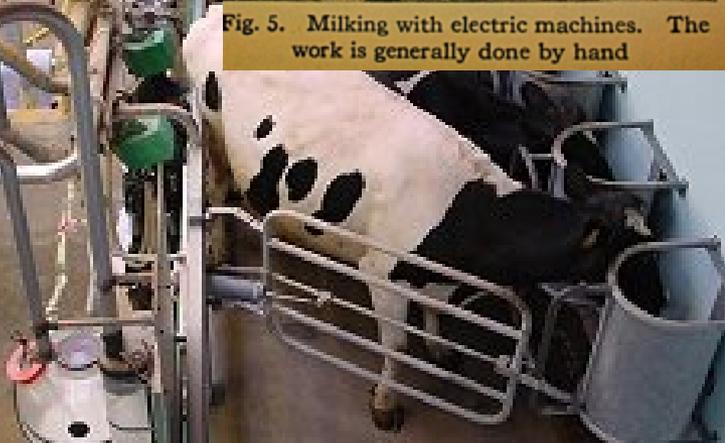


# The Future of Food and Farming: Challenges and choices for global sustainability

FINAL PROJECT REPORT



Fig. 5. Milking with electric machines. The work is generally done by hand







**Heat stress reduces milk yield and fertility**



**Deciduous trees provide in field shade**

**Shelter from cold weather can increase feed conversion and reduce disease risk**









**Soil erosion  
is a cost to  
the farm**



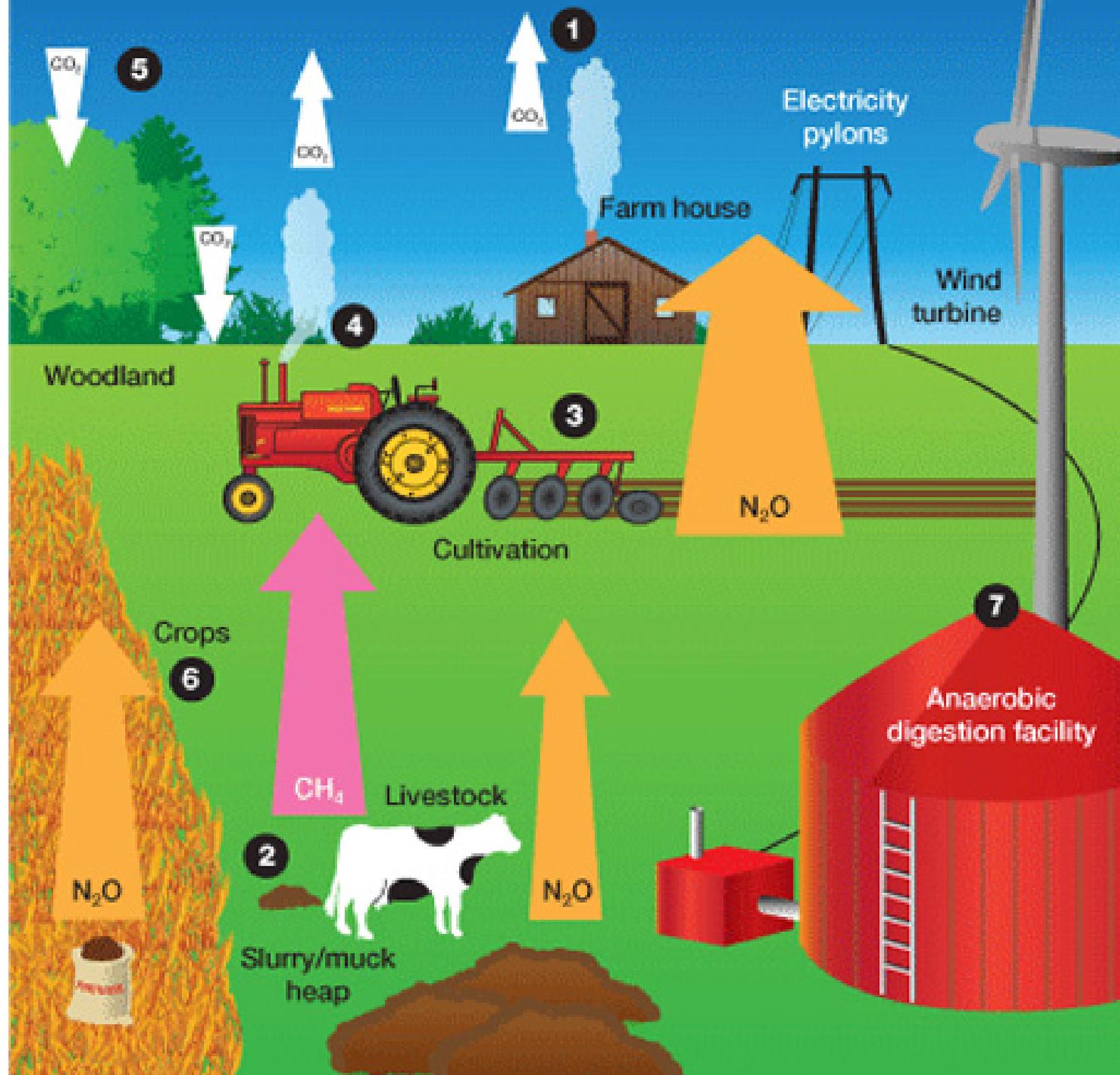












Trees store carbon









**Wildlife**

# Potential benefits of trees for farms

- Improving animal welfare, reducing heat stress
- Help reduce erosion
- Help manage drought
- Support pollinators
- Capture greenhouse gas
- Capture ammonia
- Provide a source of renewable energy
- Provide shelter and reduce heating costs
- Produce timber
- Help wildlife

- Increasing production whilst also protecting and enhancing the natural environment
- Climate change and extremes of weather are likely to increase pressure on production
- Trees can support production, increase resilience and improve sustainability
- Benefits need to work at a farm scale
- Support needs to be flexible

