





Re-use

Recycling & Composting

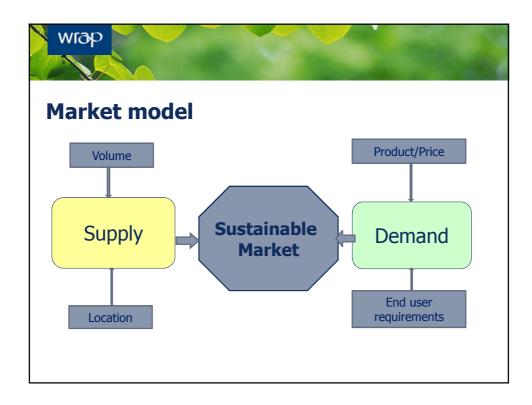
Energy Recovery

Disposal

WRAP's vision is a world without waste, where resources are used sustainably.

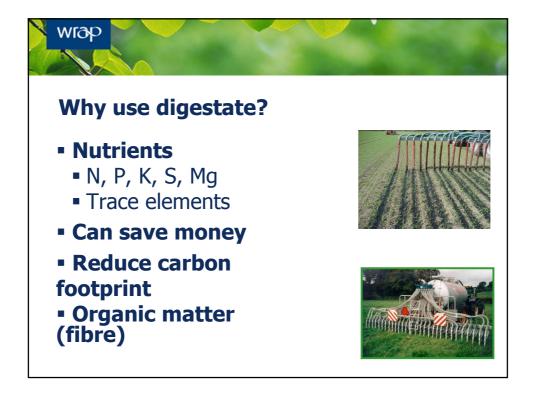
We help businesses, individuals and communities reap the benefits of reducing waste, developing sustainable products and using resources in an efficient way.











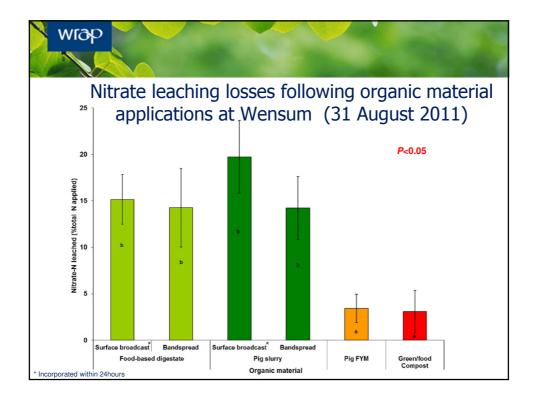


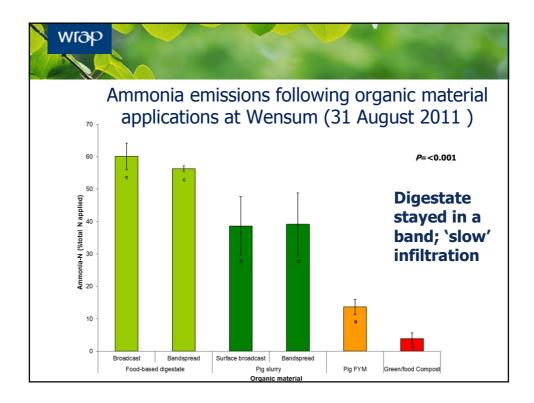
Agriculture Field research, 2010-14

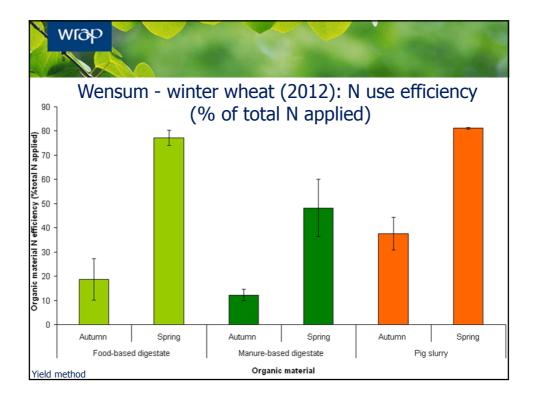
- Joint WRAP and Defra research: the *DC-Agri* project
- Investigating the effects of digestate & compost on:
 - soil and crop quality
 - crop available nitrogen
 - nitrous oxide and ammonia emissions to air and leachate losses to groundwater, to help inform good practice for farmers

Providing training on the use of digestate and compost to maximise benefit









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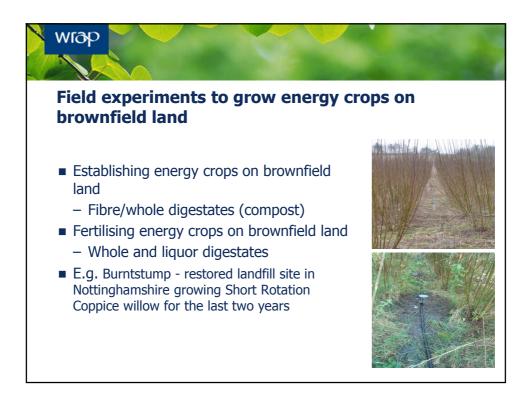


Findings to date

- Growing media fibre demonstrating good potential
 - Useful nutrients
 - Different kinds can be difficult to handle
 - Contamination issues
- Hydroponics high N content
 - Needs substantial dilution to substitute for conventional fertigation solutions
 - Supplementary nutrients also required to balance feed
- Handling and odour issues









Using digestate as a sport and amenity turf fertiliser

- Examines the use of liquid fraction digestate as a fertiliser for sports and amenity turfs
- Trials comprise of replicated research trials at the Sports Turf Research Institute and Cranfield University
- Market assessment & investigation on enhancement technologies.





