



Purpose fuelled Performance

Mark Pettigrew, Agricultural Sustainability Manager Europe

Our engagement is based on four key platforms

New varieties



- Better yields
- Better quality

Precision Agronomy



- More efficient use of resources
- Accurate prediction of crop availability

Modified Agronomy



- Use of organic fertilizers
- Use of innovative irrigation systems

Low Carbon Farming



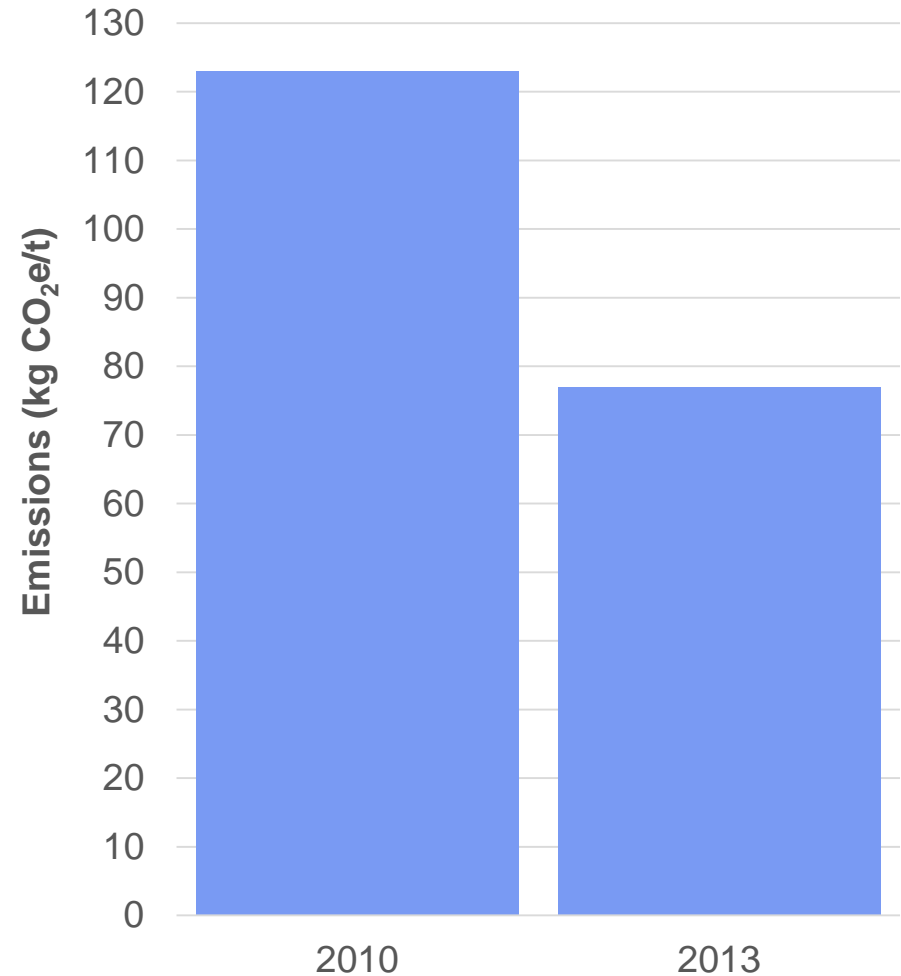
- Collaborative ICT projects to measure, monitor and reduce GHG emissions

Low Carbon Farming - UK

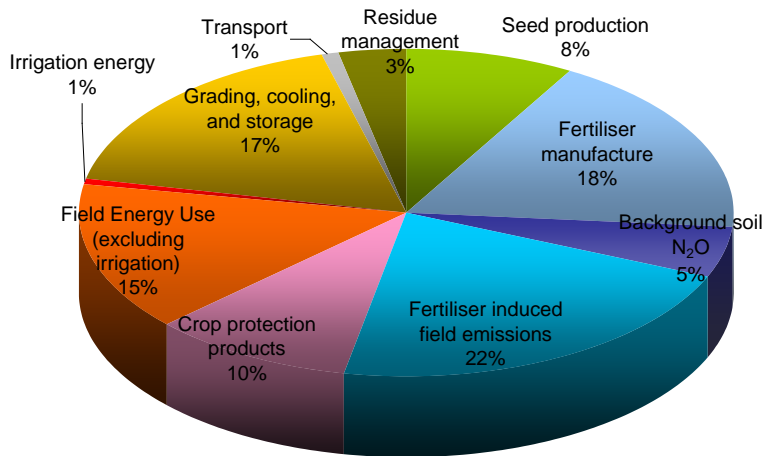
“50 in 5” / icrop

- 2010 Baseline – *123 kg CO₂e / tonne
- 2013 Crop – *81 kg CO₂e / tonne

Source	Verified reduction from 2010
Total CFT return	34%
Fertiliser manufacture	19%
Storage energy	8%
Fertiliser application	5%
Other	2%
Green energy tariff	7%



Low Carbon Farming



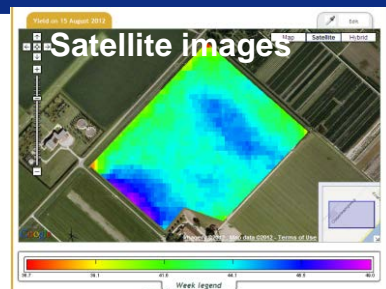
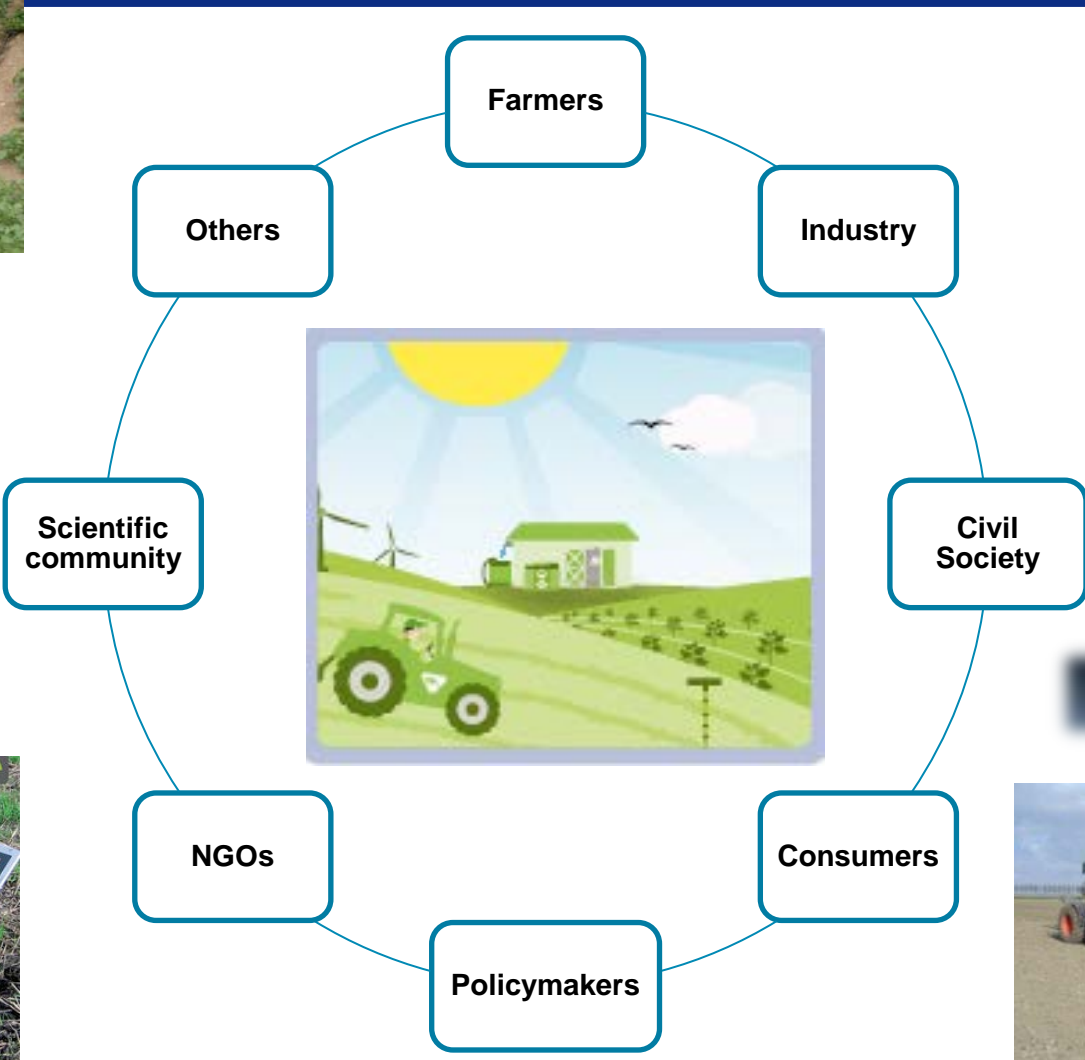
- Reduce Co2 footprint
- Help reduce global warming
- Resource depletion
- Reduce Supply Risk
- Lower costs

Fertiliser – Strategy Best way to lower carbon footprint



We cannot achieve sustainable agriculture alone

Partnership is key to delivering sustainable agriculture



Policy-making can encourage sustainable agriculture

PepsiCo's policy considerations

- Food sustainability needs **to start at farm level** to achieve an overall sustainability of the entire food chain
- To achieve a sustainable food chain, **all actors need to be engaged**
- **Innovation is key** to achieving sustainable food production
- Limiting **food waste** is an important part to achieving food security
- Discuss what **producing more with less** can mean for the entire food supply chain

- PepsiCo supports EU policies that **encourage sustainable farming**

Thank you!

