

Appendix 5

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Table 5. Summary of responses: What do you expect the effects of developments being trialled could be?

Category	Academia	Manufacturing	Farmers & veterinary surgeon	Other
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Financial incentive

- Subsidy system

- Financial incentives
- Faster shift of investment away from unsustainable fossil fuel economy towards a sustainable bio-based and natural-resource-based economy to meet human needs for food, fibre and fuel while safeguarding natural capital

Farming methods

- Introduction of other nutrient cycling techniques
- Precision agriculture
- Greater integration of livestock and arable farming
- Reducing import of animal protein from high Greenhouse Gas (GHG) emission intensity systems
- Two tier farming with a scaled approach still in place but also a smaller more focused premium sector
- Improved productivity per hectare (vertical farming)

Energy

- Hydrogen energy

Lower carbon emissions

- Lower carbon emissions

- Lower carbon emissions

- Lower carbon emissions
- Net zero at production, but not guaranteed in food storage or consumption (energy usage, waste)

Better nutrition

- Better nutrition

Better use of resources

- Better use of the limited resources
- Better materials for the same shelf life

Risk averseness

- Retailers and the industry are risk averse to new processes

Land use

- Changes in land use

- Changes in land management

Consumer diet

- 'Quality not quantity' changes in consumer eating habits

- Less meat consumption

Increased knowledge

- Greater engagement of local communities

- Improved understanding

- Lessons learnt and constant improvements

Increased costs & risk

- Short term risk
- More complexity leading to unforeseen hazards

- Increased price of quality food

Reduced costs

- Side effects of waste reduction could be a reduction in costs

Technology

- Biotechnology