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

			• 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
Financial incentive	• Subsidy system		

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			