

Table S1. Economic parameters of a typical farrow-to-finish herd with 1,000 sows in Northern Germany used for the production model.

Parameter	Value (€)	Reference/Calculation
Pig prices		
Price per sow slaughtered	220	(1)
Price of a replacement gilt	350	(2)
Price per kg live weight of a piglet sold at weaning	3.7	(1)
Price per kg live weight of a weaner sold	1.8	(1)
Price per kg live weight of a fatterer sold	1.2	(1)
Feed and water prices		
Feed price/tonne (gestation)	230	(2,3)
Feed price/tonne (lactation)	280	(2,3)
Feed price/tonne (nursery)	320	(2,3)
Feed price/tonne (fatteners)	280	(3,4)
Water cost per litre	0.005	(5)
Veterinary costs		
Total veterinary cost per sow per year (incl. costs for piglets)	80	(1)
Total veterinary cost per weaner produced	2	(6)
Total veterinary cost per fattening pig	1.3	(4)
Dead pig disposal prices		
Disposal cost per kg animal disposed	0.15	(7)
Insemination prices		
Price per semen dose	3	(8)
Transport prices		
Transport costs for slaughter sows per sow	5	(2)
Transport cost per kg live weight pig	0.02	(2)
Energy prices (incl. water except drinking water for animals)		
Energy cost per sow and year	75	(2)
Energy cost per weaner produced	0.75	(6)
Energy cost per fatterer produced	2.5	(4)
Fixed cost prices		
Labour cost breeding per year	200,000	(2)
Labour cost nursery per year	25,000	(6)
Labour cost fattening per year	120,000	(4)
Building cost breeding per year	200,000	(2)
Building cost nursery per year	60,000	(6)
Building cost fattening per year	100,000	(4)
Equipment cost breeding per year	5,000	(2)
Equipment cost nursery per year	25,000	(6)
Equipment cost fattening per year	50,000	(4)
Inspection, levy and insurance cost breeding per year	12,000	(2)
Inspection, levy and insurance cost nursery per year	12,000	(6)
Inspection, levy and insurance cost fattening per year	25,000	(4)
Any other fixed cost breeding per year	30,000	(2)
Any other fixed cost nursery per year	20,000	(2)
Any other fixed cost fattening per year	30,000	(4)

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