

Table 1. Annual enteric methane reductions and associated opportunity costs derived from the Irish ruminant breeding indexes under scenarios incorporating a methane production trait in the indexes using different carbon price (€0 represents a scenario in which methane is not included)

	Sheep			Beef			Dairy		
Carbon price (€/t CO ₂)	0	80	300	0	80	300	0	80	300
Annual reduction (%)	0.12	0.46	1.10	-0.94	-0.53	0.79	0.37	0.88	1.63
Industry reduction (Mt CO ₂ e)	0.001	0.003	0.008	-0.023	-0.013	0.002	0.026	0.062	0.114
Opportunity cost per tonne CO ₂ e (€)	0.00	10.08	38.41	0.00	-63.42	665.14	0.00	-1.91	55.64