

Source of emissions	(kg cow ⁻¹ year ⁻¹)	Emissions		
		CO ₂	CH ₄	N ₂ O
Fertilizer		210	5.5	1.1
Feed		83		1.2
Transport, treatment		43		
Rumen fermentation			119	
Fermentation of excrement management			19	0.9
Emissions from soil ^a			1	1.8
Total		336	143	5
CO ₂ equivalents of emission	(kg cow ⁻¹)	336	3290	1500
	(% of total emissions)	6	65	29
CO ₂ equivalents	(kg cow ⁻¹ year ⁻¹)		5200	
	(g kg milk ⁻¹) ^b		650	

^a No land use change. ^b Without calf and heifer.