

Endotoxin Emission factors

Emission factors for inhalable and respirable endotoxins (Seedorf et al., 2004)¹.

Animal types	Housing period per year ²	Inhalable endotoxin emissions		Respirable endotoxin emissions	
		$\mu\text{g/a*LU}^3$	$\mu\text{g/a*animal}$	$\mu\text{g/a*LU}^3$	$\mu\text{g/a*animal}$
Dairy cows	365	7683	7683	201	201
Beef	365	18238	12767	657	460
Calves	351	34437	10331	1856	557
Sows	365	36932	11080	19771	5931
Weaners	320	36838	1474	8891	356
Fattening pigs	347	24198	3872	3899	624
Laying hens	365	49266	197	2278	9
Broilers	256	546638	2187	122834	491

¹Seedorf, J., An emission inventory of livestock-related bioaerosols for Lower Saxony, Germany. Atmospheric Environment 38 (2004) 6565–6581.

²country-specific production periods can be considered

³LU: Livestock Unit