

ANNEX 2: Estimate of ammonia emissions from agriculture for each UK nation

Table AN1. Estimate of ammonia emissions from agriculture for 2024 from England, Northern Ireland, Scotland and Wales with livestock emissions reported either by livestock category (a), or manure management category (b) and together with other non-livestock sources (c).

Source	England		Northern Ireland		Scotland		Wales	
	kt NH ₃ *	% of total	kt NH ₃ *	% of total	kt NH ₃ *	% of total	kt NH ₃ *	% of total
a. Livestock emissions by livestock category	98.8	68.7	28.2	88.0	23.6	81.5	18.3	84.1
Cattle	61.2	42.5	21.2	66.1	17.8	61.4	13.2	60.4
<i>Dairy cows</i>	34.5	24.0	9.8	30.7	5.3	18.1	7.5	34.4
<i>Other cattle[#]</i>	26.7	18.5	11.3	35.4	12.6	43.3	5.7	26.0
Sheep	5.4	3.7	0.8	2.4	2.5	8.6	2.7	12.4
Pigs	11.4	7.9	2.5	7.9	1.0	3.4	0.1	0.5
Poultry	20.2	14.0	3.7	11.5	2.1	7.3	2.1	9.8
Minor livestock [†]	0.7	0.5	0.0	0.1	0.2	0.7	0.2	0.9
b. Manure emissions by management	98.8	68.7	28.2	88.0	23.6	81.5	18.3	84.1
Grazing/outdoors	9.4	6.5	2.3	7.0	3.3	11.4	3.1	14.2
Housing	34.1	23.7	10.5	32.8	7.9	27.4	5.7	26.1
Hard standings	7.6	5.3	2.3	7.1	2.4	8.3	1.6	7.4
Manure storage	12.4	8.6	2.5	7.7	2.0	6.9	2.3	10.3
Manure application to soil	32.0	22.3	9.3	29.1	7.6	26.3	5.4	24.9
Manure digestate storage	0.3	0.2	0.1	0.4	0.0	0.1	0.0	0.1
Manure digestate application to soil	3.1	2.1	1.2	3.9	0.3	1.2	0.2	1.0
c. Other sources	45.1	31.3	3.8	12.0	5.4	18.5	3.5	15.9
Fertiliser application	27.3	19.0	2.9	9.1	3.6	12.5	2.4	11.1
<i>Urea and UAN fertiliser</i>	20.7	14.4	1.7	5.2	2.2	7.5	1.6	7.3
<i>Other nitrogen fertiliser[§]</i>	6.6	4.6	1.2	3.9	1.5	5.0	0.8	3.8
Sewage sludge application	4.3	3.0	0.0	0.1	0.2	0.7	0.3	1.3
Non-manure digestate application	13.0	9.1	0.8	2.4	1.4	4.8	0.6	2.8
Crop residues	0.5	0.3	0.1	0.3	0.2	0.5	0.1	0.7
<i>Grassland</i>	0.3	0.2	0.1	0.3	0.1	0.4	0.1	0.6
<i>Non-grassland</i>	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
TOTAL	143.9		32.0		29.0		21.8	

* Totals may differ from sum of components due to rounding

[#]Other cattle refer to all beef cattle and non-lactating dairy cattle

[†] Horses, goats and deer on agricultural holdings

[§]Other nitrogen fertilisers include ammonium nitrate, calcium ammonium nitrate, ammonium sulphate, diammonium phosphate and other nitrogen fertilisers (including compound blends)