

Digestate Emission Factors

Emission factors for digestate and sewage sludge land application are provided in Table 1 below. These figures have been provided by Rothamsted Research and ADAS (26/05/26).

Specific digestate emission factors for each cattle type are available here: [Development that may have an effect on air quality | Department of Agriculture, Environment and Rural Affairs](#) (click on 'Northern Ireland NH3 Cattle Emission Factors')

Table 1. Digestate Emission Factors

Emission factors for digestate and sewage sludge applications to land (2024)	(kg NH3/tonne/digestate applied) – Fresh Weight Basis
Digestate (manure) - non-specific = dairy, beef, pig and poultry-based digestate	2.29
Digestate (non-manure) - non-specific = crop-based, food waste-based and other digestate	1.74
Crop-based digestate	1.66
Food waste-based digestate	2.09
Other digestate (non-manure)	1.40
Sewage sludge	0.71