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Digestate/biofertiliser in the UK

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Theoretical nutrient output (kt/yr)

Source	Total N	P₂O₅	K₂O
Dairy, pig manure, cereal, vegetables., milk	794	803	1280
Agri-food producers	56	25	9
Retailing & consumption	37	16	16
Total	887	844	1305

Great Britain : fertiliser use 2006 (kt/yr)

	N	P₂O₅	K₂O
GB consumption	881	206	274
Digestate potential from food ,etc	93	41	25
% national demand	10	20	9

Nutrient value of biofertiliser £ k(Euro)

	N	P₂O₅	K₂O
K/t Nutrient	93	41	25
£ (Euro)/t	810 (104,490)	870 (112,230)	630 (81,270)
Displacement value £k (MEuro)	75,330 (9.7)	35,670 (4.6)	15,750 (2.0)

Avoided CO₂ emissions

	N	P₂O₅	K₂O
k/tonnes/yr	93	41	25
Emission factor T / tonne	2.329	1.084	?
Kt / CO₂ avoided	216.6	44.3	?

Frequently Asked Questions

- Water : nutrient ratio
- Costs of storage and spreading
- Matching nutrient content to crop need
- Suitability for use on alkaline soils

And added biosecurity

	With AD	Raw slurry	
Degrees C	70	18-21	6-15
Time	<i>Seconds</i>	Weeks	
Salmonella	6	2.0	5.9
E.Coli 0157	20	2.0	8.8
M. Para -tuberculosis	8	ND	ND
M.Bovis	90	22	ND
Avian flu	Killed		
Streptococcus faecalis	3.59 mins	ND	ND