



With an increasing requirement to produce renewable energy within the UK, we are working with many Anaerobic Digestion (AD) operators to recycle the outputs from a variety of systems. Currently we have Liquid Digestate available in the South East, with spreading widths up to 36m. The product produced is PASI 10 ADQP standard, offering high available crop nutrients and can be utilised as a direct fertiliser replacement.

Renewable Fertiliser Matrix for BSI PAS 110 Digestate			
Cropping Category		Pasteurised	
Fresh produce	Group one	✓	Before drilling or planting
	Group two	✓	Before drilling or planting
	Group three	✓	Before drilling or planting
Combinable and animal feed crops		✓	May be applied before and after drilling or planting
Grassland and forage - grazed		✓	Statutory no-graze intervals apply
Grassland and forage - harvested		✓	Statutory no-graze intervals apply

Example on spring application to winter wheat on silty clay loam

Manure analysis

Application	DM (%)	Total N	NH ₄ -N	Uric acid-N	Nitrate-N	Total P ₂ O ₅	Total K ₂ O	Total SO ₃	Total MgO
kg/t or kg/m ³									
App 1	3.82	5.3	2.86	0	0	1.18	2.52	0.85	2.24

MANNER-NPK Results

Application	Total N (kg/ha)	Mineralised N (kg/ha)	Nitrogen losses (kg/ha)			Crop available N (kg/ha)		N use efficiency (%)
			Nitrate-N	Ammonia-N	Denitrified-N	Current crop	Following crop year 2	
App 1	249	14	6	24	8	110	9	44

Application	Total P ₂ O ₅ (kg/ha)	Available P ₂ O ₅ (kg/ha)	Total K ₂ O (kg/ha)	Available K ₂ O (kg/ha)	Total SO ₃ (kg/ha)	Total MgO (kg/ha)
App 1	55	28	118	95	40	105