

## Nutrient Comparison of Compost, Dirty Compost Bedding from Blable Farm and Farmyard Manure per Tonne

	Farmyard Manure*		Dirty Compost Bedding		Fresh Compost	
	Total Nutrient (kg)	Value (£)	Total Nutrient (kg)	Value (£)	Total Nutrient (kg)	Value (£)
Nitrogen (N)	6.0	5.16	17.6	15.14	9.0	7.74
Phosphate (P <sub>2</sub> O <sub>5</sub> )	3.2	3.07	4.4	4.22	3.3	3.17
Potash (K <sub>2</sub> O)	9.4	4.51	15.0	7.20	4.9	2.35
Magnesium oxide (MgO)	1.8	-	4.3	-	4.3	-
<b>Nutrient Value</b>	<b>£12.74</b>		<b>£26.56</b>		<b>£13.26</b>	

\*Farmyard Manure figures are for cattle FYM assumed to be at 25% Dry Matter (DM), data sourced from AHDB, (2021), RB209: Organic Materials

Table of the total nutrient availability of Farmyard Manure, Dirty Compost Bedding and Fresh Compost and the relative economic values per tonne. The fertiliser price comparison data is sourced from AHDB July figures, 2021 and the standardised Fresh Compost values are standard values for municipal green waste provided by The Green Waste Company.

The economic value of the total nutrient composition of cattle farmyard manure is compared to both fresh and bedding compost from Blable Farm in the table above. The relative proportion of total nitrogen, phosphate and potassium was priced using the value of commercially produced fertilisers in the UK:

- £297 for UK N (34.5%) = 86p/kg - £860/t
- £431 for TSP (45%) = 96p/kg - £960/t
- £287 for MOP (60%) = 48p/kg - £480/t

Total nutrient availability of compost has been compared to farmyard manure, composts provide a highly utilisable source of phosphate and potassium but nitrogen is unlikely to be available to plants following application due to slow release dynamics.