

## Available Nutrient Content & Guide Value (€) of Organic Fertilisers 2021

Organic Fertiliser Type	N kg/m <sup>3</sup> (units/1,000 gal) <sup>7</sup>	P kg/ m <sup>3</sup> (units/1,000 gal) <sup>6, 7</sup>	K kg/ m <sup>3</sup> (units/1,000 gal) <sup>7</sup>	Value €/ m <sup>3</sup> Or (€/ 1,000 gal) <sup>4, 5</sup>
<b>Liquid Manures</b>				
Cattle (6% DM) (SI 605,2017) <sup>1</sup>	2.0 (18)	0.8 (7)	3.5 (32)	<b>12</b> (54)
Cattle (6% DM) (Actual) <sup>2</sup>	1.0 (9)	0.6 (5)	3.5 (32)	<b>8.7</b> (39)
Pig (4% DM) <sup>3</sup>	2.1 (19)	0.8 (7)	1.9 (20)	<b>10.5</b> (48)
Soiled Water	0.48 (4)	0.08 (0.7)	0.6 (5)	<b>2.1</b> (9.5)
<b>Solid Manures</b>				
	N kg/t <sup>1</sup> (units/t)	P kg/t (units/t)	K kg/t (units/t)	Value €/ton
Dungstead Manure	1.4 (3)	0.9 (2)	4.2 (8)	<b>12.0</b>
Farmyard Manure	1.35 (3)	1.2 (2)	6.0 (12)	<b>15.0</b>
<b>Poultry <sup>3</sup></b>				
Broiler / deep litter	14 (28)	6.0 (12)	18.0 (36)	<b>77</b>
Layers (30% DM)	6.85 (14)	2.9 (6)	6.0 (12)	<b>34</b>
Layers (55% DM)	11.5(23)	5.5 (11)	12.0 (24)	<b>61</b>
Turkeys	14 (28)	13.8 (28)	12.0 (24)	<b>97</b>
Spent Mushroom Compost	1.6 (3)	1.5 (3)	8.0 (16)	<b>20</b>

<sup>1</sup> Nitrogen availability based on Nitrates Directive SI 605, 2017 (Cattle slurry total N of 5.0kg & 40% availability). Conversion - kg by 2 = units

<sup>2</sup> The actual value of N in Cattle slurry (Green Book) is approx. 9 units/1,000 gallon (Based on total N of 2.4kgN/m<sup>3</sup> @ 40% N availability by LESS application).

Spring application of organic manures is required to maximize N recovery. Manures should be tested to determine manure nutrient content

<sup>3</sup> Incorporation of high N manures within 2 to 6hrs after application assume 50% N availability

<sup>4</sup> Value of N = €2.18/kg. P = €3.69/kg, K = €1.33/kg for Nov.2021 (Nutrient values based on price / volume of range of fertiliser products).

<sup>5</sup> Cost of spreading & transport not included. <sup>6</sup>Reduce P availability to 50% on P index 1 & 2 soils.

<sup>7</sup> Values under units/1,000gals or per ton have been rounded to closest unit.

**Updated 11<sup>th</sup> November, 2021**