

## SCHEDULE 1

Regulations 7, 14 and 15

## Calculation of nitrogen ("N") in livestock manure

**Table 1**

Standards for the volume of excreta and nitrogen in manure produced by livestock

<i>Pigs</i>	<i>Daily Excreta</i>	<i>Daily N production</i>
	<i>(litres per animal/day)</i>	<i>(grams per animal/day)</i>
Weight		
From 7 to 13 kg	1.3	4.1
From 13 to 31 kg	2.0	14.2
From 31 to 66 kg–		
dry fed	3.7	24
liquid fed	7.1	24
From 66 kg and–		
intended for slaughter–		
dry fed	5.1	33
liquid fed	10.0	33
sow intended for breeding that has not yet had its first litter.	5.6	38
sow (including litter up to 7 kg) fed on a diet supplemented with synthetic amino acids	10.9	44
sow (including litter up to 7 kg) fed on a diet without synthetic amino acids	10.9	49
Breeding boar from 66kg up to 150kg	5.1	33
Breeding boar, from 150kg	8.7	48
	<i>Daily Excreta</i>	<i>Daily N production</i>
<i>Cattle</i>	<i>(litres per animal/day)</i>	<i>(grams per animal/day)</i>
<b>Calf</b> (all categories) up to 3 months	7.0	23
<b>Dairy cow</b>		
From 3 months up to 13 months	20	95
(a) Castrated males.		

*Status: This is the original version (as it was originally made).*

<i>Cattle</i>	<i>Daily Excreta</i>	<i>Daily N production</i>
	<i>(litres per animal/day)</i>	<i>(grams per animal/day)</i>
From 13 months up to first calf	40	167
After first calf and–		
annual milk yield more than 9000 litres	64	315
annual milk yield between 6000 to 9000 litres	53	276
annual milk yield less than 6000 litres	42	211
<b>Beef cows or steers<sup>(a)</sup></b>		
From 3 up to 13 months	20	93
From 13 up to 25 months	26	137
Over 25 months–	32	137
females or steers for slaughter	32	137
females for breeding–		
weighing 500 kg or less	32	167
weighing more than 500 kg	45	227
<b>Bulls</b>		
non-breeding, 3 months and over	26	148
breeding		
From 3 up to 25 months	26	137
Over 25 months	26	132
<b>(a) Castrated males.</b>		

<i>Sheep</i>	<i>Daily Excreta</i>	<i>Daily N production</i>
	<i>(litres per animal/day)</i>	<i>(grams per animal/day)</i>
From 6 months up to 9 months old	1.8	5.5
From 9 months old to first lambing, first tuppung or slaughter	1.8	3.9
After lambing or tuppung <sup>(a)</sup>		
weight up to 60 kg	3.3	21
weight over 60 kg	5.0	33
<b>(a) In the case of a ewe, this figure includes one or more suckled lambs until the lambs are aged six months.</b>		

<i>Goats, deer and horses</i>	<i>Daily Excreta</i>	<i>Daily N production</i>
	<i>(litres per animal/day)</i>	<i>(grams per animal/day)</i>
<b>Goat</b>	3.5	41
<b>Deer</b>		
Breeding	5.0	42
Other	3.5	33
<b>Horse</b>	24	58
<i>Poultry</i>	<i>Daily Excreta<sup>(a)</sup></i>	<i>Daily N production</i>
	<i>(litres per bird/day)</i>	<i>(grams per bird/day)</i>
<b>Laying chicken</b>		
up to 17 weeks	0.04	0.64
17 weeks and over (caged)	0.12	1.13
17 weeks and over (free range)	0.12	1.5
<b>Broiler chicken</b> (table)	0.06	1.06
<b>Broiler chicken</b> (breeder)–		
up to 25 weeks	0.04	0.86
25 weeks and over	0.12	2.02
<b>Turkey</b>		
Male	0.16	3.74
Female	0.12	2.83
<b>Duck</b>	0.10	2.48
<b>Ostrich</b>	1.6	3.83

(a) This figure includes litter as appropriate.

**Table 2**

Total nitrogen content in livestock manure

<i>Manure type</i>	<i>Total N</i>
	<i>kg/metres<sup>3</sup> or kg/tonne</i>
Solid manure	
Cattle farmyard manure	6.0
Pig farmyard manure	7.0
Sheep farmyard manure	7.0
Duck manure	6.5

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<i>Manure type</i>	<i>Total N</i> <i>kg/metres<sup>3</sup> or kg/tonne</i>
Poultry layer manure	19
Poultry broiler manure [litter]	30
Turkey manure [litter]	30
Cattle slurry	
cattle slurry, 2% dry matter	1.6
cattle slurry, 6% dry matter	2.6
cattle slurry, 10% dry matter	3.6
Pig slurry	
Pig slurry, 2% dry matter	3.0
Pig slurry, 4% dry matter	3.6
Pig slurry, 6% dry matter	4.4
Separated slurry (some solids removed)	
Strainer box cattle slurry	1.5
Weeping-wall cattle slurry	2.0
Mechanically separated cattle slurry	3.0
Mechanically separated pig slurry	3.6
Dirty water (not slurry)	
Dirty water, less than 1% dry matter	0.5