

# PRACTICAL USE OF MANURES

## NPK IN DAIRY COW SLURRY

**TABLE 1 TYPICAL TOTAL NUTRIENT CONTENT**

DM Content %	Consistency	Total nutrients					
		kg/m <sup>3</sup>			Units/1000gallons		
		N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
3	Thin soup	1.5	0.6	1.8	13	5	16
6	Medium soup	3.0	1.2	3.5	27	11	32
8	Thick soup	4.0	1.6	4.7	36	14	42
10	Porridge	5.0	2.0	5.8	45	18	52

**TABLE 2 AVAILABILTY OF N**

Percent of TOTAL N available in year of spreading						
DM Content %	AUTUMN (Aug-Oct)		WINTER (Nov-Jan)		SPRING (Feb-Apr)	SUMMER (May-July)
	Sandy/shallow	Medium/heavy	Sandy/shallow	Medium/heavy	All soils	All soils
<b>Left on surface</b>						
2	5	20	25	40	50	35
6	5	15	20	30	35	20
10	5	10	10	15	20	10
<b>Incorporated within 6 hours e.g. by ploughing</b>						
2	5	20	25	45	55	N/A
6	5	20	20	35	45	N/A
10	5	15	15	30	35	N/A

**TABLE 3 AVAILABILTY OF PHOSPHATE AND POTASH**

Percent of TOTAL available to next crop	
Phosphate (P <sub>2</sub> O <sub>5</sub> )	Potash (K <sub>2</sub> O)
50	90