

PRACTICAL USE OF MANURES

PLANT AVAILABLE NPK IN MANURES

Nitrogen available to next crop following spreading of manures on the surface (% total nitrogen)

Spreading time :		Autumn (Aug – Oct)		Winter (Nov – Jan)		Spring (Feb – Apr)	Summer (May – July)
Soil type :		Sandy/ shallow	Other mineral	Sandy/ shallow	Other mineral	All	All
Manure type	Dry matter %						
Cattle slurry	10	5	10	10	15	20	10
	6	5	15	20	30	35 (50) ¹	20
	2	5	20	25	40	50	35
Pig slurry	6	5	15	20	30	40	25
	4	5	20	25	40	50 (60) ¹	30
	2	5	25	30	50	60	40
Fresh FYM	25	5	10	10	15	20 (25) ¹	n/a
Old FYM	25	5	10	10	10	15	n/a
Layer manure	30	10	20	15	30	35 (40) ¹	n/a
Broiler litter	60	10	20	15	25	30	
Separated slurry	3 - 4	5	20	25	40	50	35

1 Values in brackets apply if manure is rapidly incorporated or injected into the soil.

Phosphate and potash available to next crop (% total phosphate and potash)

	Phosphate	Potash
Slurry	50	90
FYM	60	90
Poultry manure	60	90

From "Managing Livestock Manures: Making better use of livestock manures on grassland"