

Supplementary material

Table 1 Manure production (ton) and total nutrient output (kg) (based on nine farms))

Farm No.	Cattle in TLU	Cropped land(in ha)	Amount of manure (ton)	Total nutrient outputs in kg		
				TN	P2O5	K2O
1	27.3	0	203.00	1847.30	27.56	1214.59
2	28	2.01	101.00	939.30	12.10	147.86
3	20.3	0	58.00	377.00	5.75	230.93
4	28.7	3.76	41.00	414.10	4.47	186.47
5	27.3	1.76	11.00	116.60	1.34	24.72
6	12.6	1.005	30.00	198.00	3.53	166.14
7	37.8	2.26	43.00	425.70	5.29	167.91
8	32.2	2.26	46.00	460.00	5.34	181.72
9	27.3	2.26	134.00	1232.80	16.86	564.41
Mean	26.83	1.70	74.11	667.87	9.14	320.53
Stdev	7.07	1.20	61.20	565.62	8.38	365.47

TN: Total Nitrogen; P2O5: Phosphate; K2O: Potash