

SUPPLEMENTARY

Supplemental Table 1. Relationship between the total population and sample selection

Dip tank	Number of cattle owners	Cattle population	Dip tank average herd size	Sample interviewed	Mean (95%CI) Herd size
A	127	976	7.7	12	11.92 (1.73-22.11)
B	52	569	10.9	6	9.00 (4.03-13.97)
C	11	520	47.3	2	67.00 (-606.43-740.43)
D	46	457	9.9	5	5.60 (-0.65-11.85)
E	101	963	9.5	10	14.40 (7.68-21.12)
F	86	923	10.7	9	13.11 (8.15-18.07)
G	57	725	12.7	7	14.71 (0.72-28.71)
H	128	1546	12.1	12	19.50 (3.98-35.02)
I	70	765	10.9	7	10.14 (3.51-16.78)
J	54	617	11.4	5	17.20 (-1.90-36.30)
K	93	924	9.9	9	15.78 (7.87-23.69)
L	81	744	9.2	7	17.43 (4.18-30.68)
M	49	713	14.5	5	26.00 (-19.62-71.62)
N	48	737	15.4	4	13.20 (-3.95-30.35)
O	43	418	9.7	4	13.50 (4.00-23.00)

CI = Confidence interval

Supplemental Table 2. Monthly dip tank inspection data for June-August, 2012

Dip tank	No. of cattle owners*	No. of cattle owners/June	No. of cattle owners/July	No. of cattle owners/August
A	127	140	140	139
B	52	66	66	66
C	11	11	11	11
D	46	55	55	55
E	101	111	110	110
F	86	90	91	93
G	57	59	60	61
H	128	157	156	157
I	70	82	82	82
J	54	68	68	68
K	93	109	109	109
L	81	87	87	87
M	49	56	56	58
N	48	54	54	54
O	43	50	50	50

*Number of cattle owners as at the time of study design (2011) for sample size calculation