

Chapter 2.4

REPORTS OF *SALMONELLA* IN DEER, HORSES AND RABBITS

For the first time since 1999 there were reports of *Salmonella* in deer during 2005 (Table 36). The serovars involved were *S. Dublin* and *S. Reading* and were both reported as a result of clinical disease. Just over 30,000 deer were registered in Great Britain in 2005 at the June Agricultural Census, an increase of approximately 3% compared with 2004. Deer, together with rabbits are included in statutory reports of *Salmonella*, as they may be raised for human consumption.

There were 44 reports of *Salmonella* in horses in 2005 (Table 37), compared with 53 in 2004, a decrease of 17%. Much of the decrease in the number of incidents in horses was due to a fall in the number of reports of *Salmonella* Typhimurium although the proportion of reports of *S. Typhimurium* remained similar to 2004. The most commonly reported definitive types of *S. Typhimurium* in horses in 2005 were DT56 (40% of reported incidents) and DT104 (28% of reported incidents). DT56 is a common phage type of *S. Typhimurium* recovered from wild birds. There were two incidents of *S. Newport* in horses half the number reported in 2004; both were fully sensitive to all antimicrobials tested. *Salmonella* Derby and *S. Ealing* were reported for the first time in horses since recording began in 1985. *Salmonella* Kisarawe and *S. Muenchen* which were reported for the first time in 2004 were not reported in 2005.

There were no incidents of *Salmonella* reported in rabbits in 2005.

Table 36: *Salmonella* in deer on all premises

Salmonella Incidents (Isolations)	2001*	2002	2003	2004	2005
ENTERICA ENTERICA					
Dublin	- (-)	- (-)	- (-)	- (-)	2 (2)
Reading	- (-)	- (-)	- (-)	- (-)	2 (2)
TOTAL	- (-)	- (-)	- (-)	- (-)	4 (4)

* 2001 data may not be comparable due to impact of FMD epidemic

Table 37: *Salmonella* in horses on all premises

<i>Salmonella</i> Incidents (Isolations)	2001*	2002	2003	2004	2005
ENTERICA ENTERICA					
Agama	2 (2)	2 (3)	5 (5)	8 (8)	6 (6)
Agona	1 (1)	- (-)	- (-)	- (-)	- (-)
Ajiobo	- (-)	1 (1)	- (-)	- (-)	- (-)
Anatum	1 (1)	1 (1)	1 (1)	1 (1)	- (-)
Brandenburg	- (-)	- (-)	1 (1)	- (-)	- (-)
Coeln	- (-)	1 (1)	- (-)	- (-)	- (-)
Derby	- (-)	- (-)	- (-)	- (-)	1 (1)
Dublin	- (-)	- (-)	1 (1)	- (-)	1 (1)
Durham	- (-)	1 (1)	- (-)	- (-)	- (-)
Ealing	- (-)	- (-)	- (-)	- (-)	1 (1)
Enteritidis	- (-)	4 (6)	2 (2)	3 (3)	3 (3)
Give	1 (1)	- (-)	- (-)	- (-)	- (-)
Heidelberg	1 (1)	- (-)	- (-)	- (-)	- (-)
Indiana	- (-)	- (-)	- (-)	1 (1)	- (-)
Javiana	1 (1)	- (-)	- (-)	- (-)	- (-)
Kedougou	- (-)	- (-)	- (-)	2 (2)	- (-)
Kisarawe	- (-)	- (-)	- (-)	1 (1)	- (-)
Larochelle	1 (1)	- (-)	- (-)	- (-)	- (-)
Montevideo	1 (2)	- (-)	- (-)	- (-)	1 (1)
Muenchen	- (-)	- (-)	- (-)	1 (1)	- (-)
Newport	2 (2)	3 (3)	- (-)	4 (4)	2 (2)
Oslo	- (-)	- (-)	1 (1)	1 (1)	- (-)
Rissen	- (-)	- (-)	- (-)	- (-)	1 (1)
Stourbridge	- (-)	- (-)	1 (1)	- (-)	1 (1)
Tennessee	1 (1)	- (-)	- (-)	- (-)	- (-)
Thompson	- (-)	- (-)	- (-)	1 (1)	- (-)
Typhimurium	17 (24)	22 (22)	15 (15)	30 (31)	25 (25)
ENTERICA DIARIZONAE					
unspecified "arizona" +	- (-)	- (-)	1 (1)	- (-)	- (-)

Table 37: *Salmonella* in horses on all premises

<i>Salmonella</i> Incidents (Isolations)	2001*	2002	2003	2004	2005
UNSPECIFIED					
structure only	1 (1)	- (-)	1 (1)	- (-)	1 (1)
rough	- (-)	- (-)	- (-)	- (-)	1 (1)
TOTAL	30 (38)	35 (38)	28 (28)	53 (54)	44 (44)

* 2001 data may not be comparable due to impact of FMD epidemic

+ antigenic structure not stated

Table 38: S. Typhimurium in horses on all premises

Definitive Types Incidents (Isolations)	2001*	2002	2003	2004	2005
1	1 (1)	1 (1)	- (-)	- (-)	- (-)
8	- (-)	- (-)	- (-)	- (-)	- (-)
12	- (-)	1 (1)	- (-)	- (-)	- (-)
40	1 (1)	1 (1)	1 (1)	4 (5)	1 (1)
41	2 (3)	1 (1)	1 (1)	1 (1)	2 (2)
49	- (-)	- (-)	1 (1)	1 (1)	- (-)
56	1 (1)	1 (1)	4 (4)	5 (5)	10 (10)
104	4 (9)	6 (6)	2 (2)	8 (8)	7 (7)
104b	3 (4)	1 (1)	1 (1)	- (-)	- (-)
120	- (-)	- (-)	- (-)	1 (1)	- (-)
125	- (-)	- (-)	- (-)	3 (3)	- (-)
193	- (-)	2 (2)	2 (2)	2 (2)	4 (4)
U288	- (-)	- (-)	1 (1)	- (-)	- (-)
U302	1 (1)	2 (2)	- (-)	1 (1)	- (-)
U308a	- (-)	1 (1)	- (-)	- (-)	- (-)
U310	1 (1)	- (-)	1 (1)	2 (2)	- (-)
RDNC	1 (1)	4 (4)	- (-)	- (1)	- (-)
NOPT	2 (2)	- (-)	- (-)	- (-)	- (-)
UNTY	- (-)	- (-)	1 (1)	1 (1)	1 (1)
Untyped	- (-)	1 (1)	- (-)	- (-)	- (-)
TOTAL	17 (24)	22 (22)	15 (15)	30 (31)	25 (25)

* 2001 data may not be comparable due to impact of FMD epidemic

Table 39: *Salmonella* in rabbits on all premises

Salmonella Incidents (Isolations)	2001*	2002	2003	2004	2005
ENTERICA ENTERICA					
Kedougou	- (-)	- (-)	1 (1)	- (-)	- (-)
TOTAL	- (-)	- (-)	1 (1)	- (-)	- (-)

* 2001 data may not be comparable due to impact of FMD epidemic