

Supplementary material S3 – Table 1: Farmer recorded flock-level reproductive performance data for the production year including the November 2012 to January 2013 lambing period

Farm Code	A	B	C	D	E	F
Primary production objective	BS	SL	BS	SL	BS	BS
Dates for 2012/2013 early lambing period	3–30 Dec	5 Nov–6 Dec	28 Nov–22 Dec	7 Nov–23 Dec	3–11 Dec	1 Dec–31 Jan
Primary breeding method	AI, S	N	AI, S	N	AI, S	AI, S
N ewes mated (a)	33	121	128	320	27	32
N lambs expected from pregnancy scanning (b)	42	201	NR	NR	47	51
Scanning percentage (100*(b/a)) (baseline%)	127.3 (167.5)	166.1 (176.2)	NR (NR)	NR (NR)	174.1 (171.6)	159.4 (188.0 ¹)
N ewes barren at scanning (c)	8	14	47	NR	2	4
Percentage of ewes barren at scanning of total ewes mated (100*(c/a)) (baseline %)	24.2 (12.4)	11.6 (4.8)	36.7 (NR)	NR (NR)	7.4 (6.2)	12.5 (4.0 ¹)
N ewes scanned in-lamb that were barren at lambing (d)	2	2	13	20	0	2
N total ewes barren between mating and lambing (c+d)	10	16	60	20	2	6
Percentage of total ewes barren of total ewes mated (100*((c+d)/a)) (baseline %)	30.3 (17.5 ¹)	13.2 (6.1)	46.9 (NR)	6.3 (NR)	7.4 (14.9 ²)	18.8 (4.0 ¹)
N total lambs reared (e)	30	170	NR	394	25	33
Percentage of total lambs reared in 2012–13 of total ewes mated (100*(e/a)) (baseline %)	90.9 (145.0 ³)	140.5 (154.3)	NR (NR)	123.1 (140.6)	92.6 (148.1)	103.1 (164.0 ¹)
Reduction factor (percentage lambs reared in 2012–13 / baseline percentage reared)	0.63	0.91	NR	0.88	0.63	0.63
N lambs lost scanning to sale (b–e)	12	31	NR	NR	22	18
Percentage lambs lost from pregnancy scanning to sale (100*((b–e)/b)) (baseline %)	28.6 (NR)	15.4 (12.4)	NR (NR)	NR (NR)	46.8 (13.7)	35.3 (12.8 ¹)

Primary production objective: production of breeding stock (BS) or slaughter lambs (SL).

Breeding method: artificial insemination (AI) or natural (N), oestrus synchronised (S).

Not recorded (NR).

(Baseline) = flock baseline figure calculated as mean of annual metric for previous 3 production years.

(Baseline¹) = baseline figure based on previous year's production figure.

(Baseline²) = baseline figure based on mean of 2 previous years' production figures.

(Baseline³) = sheep industry benchmarking figures (EBLEX, 2009).