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Model	\bar{S} (Bq kg ⁻¹)	μ_s	σ_s	\bar{S}_{1000} (Bq kg ⁻¹)	$S_{97.5}$ (Bq kg ⁻¹)
A	289	5.5	0.52	1180	860
B	220	5.2	0.65	1230	830
C	150	4.6	0.90	1310	830

Table 1. Model parameters for three representative activity concentration distributions (equation 16). \bar{S}_{1000} is the mean activity of those sheep with an activity above 1000 Bq kg⁻¹; $\bar{S}_{97.5}$ is the mean activity of those sheep with an activity above the 97.5th percentile of the distribution.

Category	N	H (mSv y^{-1})	J	δX_d	$\frac{\text{de minimis quantum}}{\delta X_d}$
Average consumer	29,600,000	0.000218	0.55	8.3 sec	23.25
ICRP Representative Person (model A)	1,670,000	0.00096	3.03	25 sec	7.72
ICRP Representative Person (model B)	1,800,000	0.00080	3.37	21 sec	9.19
ICRP Representative Person (model C)	1,750,000	0.00068	4.08	17 sec	11.35
Field Representative Person (model A)	2,150	0.224	10.08	1 hr 36 min	< 1
Field Representative Person (model B)	2,150	0.216	10.45	1 hr 32 min	< 1
Field Representative Person (model C)	2,150	0.216	10.45	1 hr 32 min	< 1
Extreme Consumer (model A)	360	0.31	43.50	2 hr 11 min	< 1
Extreme Consumer (model B)	360	0.32	42.16	2 hr 16 min	< 1
Extreme Consumer (model C)	360	0.34	39.59	2 hr 25 min	< 1

Table 2. J-values and change of loss of life expectancy, δX_d , for different categories of consumer, characterised by the number of people in the group, N , and the mean dose received, H . Shaded areas indicate either $J > 1$ or $\delta X_d < \text{de minimis}$ loss of life expectancy (3¼ minutes), either of which is sufficient to recommend against continuing restriction