



MINISTRY OF AGRICULTURE, FISHERIES AND FOOD
WELSH OFFICE

Radionuclide Levels
in Food,
Animals and
Agricultural Products

*Post Chernobyl Monitoring
in England and Wales*

LONDON

HER MAJESTY'S STATIONERY OFFICE

£14.50 net

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Monitoring of Radioactivity in England and Wales Following the Accident at Chernobyl

INTRODUCTION

Summary

Since 1 January 1986, the Ministry of Agriculture, Fisheries and Food, in conjunction with the Welsh Office, has been undertaking routine monitoring for radioactivity in food and agricultural materials around each of the major nuclear sites in England and Wales. The existence of a nationwide sample procurement and analytical capability for foodstuffs proved to be a factor of major importance in enabling the Departments to respond quickly and comprehensively to the potential threat posed to the UK by the Chernobyl accident. A separate report on the effects of this accident on the marine environment has already been published by the Ministry's Directorate of Fisheries Research (Reference 1) and the Government has published a preliminary compilation of raw monitoring data available from a number of sources up to 23 May 1986 (Reference 2). The present compilation updates the results of the Department's main food monitoring programme up to the beginning of December 1986 for the assistance of researchers and others who have asked to have access to the complete data set in a manageable format.

Immediately it was learned that a serious nuclear accident had occurred in the Soviet Union the Ministry of Agriculture began daily testing of milk from southern England. This was extended to a countrywide programme of monitoring food and agricultural produce in England and Wales once radioactivity had been detected in the UK. Initial efforts were aimed at identifying which areas of the country and types of produce were most at risk. Subsequently, when the pattern of deposition had become evident, efforts were concentrated in those regions where the highest levels of deposition had been found and on those foodstuffs most affected. Thus the data are not representative for the country as a whole but in many cases relate to "worst case" situations.

Measurements were for the most part made in the Ministry's laboratories using high resolution gamma-ray spectrometry and yielded results for individual radionuclides. Results are expressed in units of Bq/kg fresh weight or, for milk, Bq/l and are presented in Section A. Limited radiochemical determinations for pure alpha and beta emitters were undertaken in order to demonstrate that these radionuclides were not present in radiologically significant quantities.

The levels of activity found in samples were not sufficient to warrant any intervention by the Ministry of Agriculture, Fisheries and Food until in mid-June it became apparent that caesium levels in sheep for market would exceed the action level of 1000Bq/kg. Measures were then taken to ensure that no sheepmeat with caesium activity greater than this level was allowed to enter the human food chain. Monitoring effort in the areas subject to restrictions on movement and slaughter of sheep was intensified and the resulting data are presented in Section B.

The sampling effort was initially devoted to milk because of both its sensitivity to atmospherically deposited radionuclides, particularly those known to have been released during the accident, and because it is the material most likely to be the target for early intervention measures if there was substantial deposit of activity. The nature of the transfer of activity of the principal radioactive species present (iodine 131 and caesium 137 and 134) is such that peak activities are

reached within the first week after the deposition and it was quickly apparent that because of the rapid initiation of monitoring, the peak activity in milk had been detected. This was very much below the level at which any intervention would be considered. The sampling effort was further increased to obtain the widest geographical coverage of milk samples and to include milk and dairy products from animals other than cows and to monitor the quality of other agricultural products available at the time. Samples were taken of all crops produced in England and Wales as they became available for harvest, along with representative samples of the various animal types reared. The results from the analyses of these samples are shown in Section A. This is a compendium of data which have been previously released by the Departments in a series of press notices between 30 May and 16 December.

The monitoring of sheepmeat samples began in mid-May and by mid-June it became clear that it would not be possible to guarantee that levels would be below the action level by the time the sheep were likely to be sent to market. The Government therefore introduced a ban on the movement and slaughter of sheep in parts of Cumbria and North Wales. Extensive monitoring of sheep within these areas followed and areas were released from restrictions only when total caesium activity in sheep fell below 1000 becquerels per kilogram of muscle. The data for sheep sampled from the restricted areas are shown in Section B. Further sampling of animals to determine the adequacy of the extent of restrictions took place during the summer and these results are amongst those in Section A.

Results

The data in this compilation are from analyses performed by a variety of laboratories. The great majority of analyses reported in Section A and all the English sheepmeat results in Section B have been undertaken by the MAFF Central Veterinary Laboratory in Surrey using high resolution gamma-ray spectrometry; the Welsh sheepmeat data in Section B are from analyses performed by several laboratories in the Principality. An overriding consideration in the work of the laboratory was to maintain a high throughput of samples. As this requirement conflicts with the long counting times needed to quantify the generally low levels of activity present, many results are quoted as "less than" a particular figure. It should be noted that this limit of determination is very much lower than the level of activity which would require any intervention and there is no question of significant results being obscured. In the latter stages of monitoring and in the measurements still being undertaken it has been possible to reduce this detection limit but the great majority of samples contain too little activity to quantify.

References

1. Camplin, W C. Mitchell N T. Leonard D R P. Jefferies D F. Radioactivity in surface and coastal waters of the British Isles. Monitoring of fallout from the Chernobyl reactor accident. Ministry of Agriculture, Fisheries and Food: Directorate of Fisheries Research. Aquatic Environment Monitoring Report, Number 15. (1986)
2. UK Government Departments. Levels of radioactivity in the UK from the accident at Chernobyl USSR, on 26 April 1986. A compilation of the results of environmental measurements in the UK. HMSO London (1986). A separate compilation "Chernobyl Accident Data for Wales" was also published by the Welsh Office.

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< = “less than”	
0 = “not detected”	
	Units = Bq/l liquids Bq/kg solids

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
317	MILK COW	AVON	04-05-86	69			0	
318	MILK COW	AVON	05-05-86	91	0		0	
97	MILK COW	AVON	05-05-86	14			0	
91	MILK COW	AVON	05-05-86	29			0	
319	MILK COW	AVON	06-05-86	27			0	
92	MILK COW	AVON	06-05-86	15			0	
320	MILK COW	AVON	07-05-86	22			0	
93	MILK COW	AVON	07-05-86	15			0	
344	MILK COW	AVON	13-05-86	< 3			0	
867	MILK COW	AVON	14-05-86	15			0	
171	MILK COW	BEDS	04-05-86	37			0	
172	MILK COW	BEDS	05-05-86	32		4	4	
173	MILK COW	BEDS	07-05-86	23	2		2	
641	MILK COW	BEDS	11-05-86	16	3		3	
760	MILK COW	BEDS	13-05-86	11	3	1	4	
759	MILK COW	BEDS	14-05-86	8	2	1	3	
1853	MILK COW	BERKS	05-05-86	< 12			0	
1854	MILK COW	BERKS	06-05-86	< 33			0	
1855	MILK COW	BERKS	07-05-86	< 51			0	
1856	MILK COW	BERKS	08-05-86	< 40			0	
1857	MILK COW	BERKS	09-05-86	< 24			0	
1858	MILK COW	BERKS	10-05-86	< 21			0	
1859	MILK COW	BERKS	13-05-86	< 12			0	
1860	MILK COW	BERKS	16-05-86	< 6			0	
1861	MILK COW	BERKS	21-05-86	< 4			0	
4640	MILK COW	CAMBS	05-05-86	81	10	< 8	< 18	
4641	MILK COW	CAMBS	06-05-86	15	2	< 2	< 4	
208	MILK COW	CAMBS	07-05-86	64	12	6	18	
204	MILK COW	CAMBS	07-05-86	10	2	1	3	
209	MILK COW	CAMBS	08-05-86	12	3	1	4	
205	MILK COW	CAMBS	08-05-86	42	10	4	14	
210	MILK COW	CAMBS	09-05-86	44	9	5	14	
206	MILK COW	CAMBS	09-05-86	14	3	1	4	
211	MILK COW	CAMBS	10-05-86	33	8	4	12	
207	MILK COW	CAMBS	10-05-86	15	3	1	4	
647	MILK COW	CAMBS	11-05-86	26	7	7	14	
646	MILK COW	CAMBS	11-05-86	11	2		2	
758	MILK COW	CAMBS	13-05-86	9	< 4		< 4	
755	MILK COW	CAMBS	13-05-86	8	2	1	3	
757	MILK COW	CAMBS	14-05-86	12	7	3	10	
756	MILK COW	CAMBS	14-05-86	6	< 5		< 5	
754	MILK COW	CAMBS	15-05-86	5	3		3	
767	MILK COW	CAMBS	15-05-86	14	1		1	
912	MILK COW	CAMBS	22-05-86	3	1		1	
1741	MILK COW	CAMBS	03-06-86	< 7	< 7	< 8	< 15	
1871	MILK COW	CAMBS	24-06-86		0	0	0	
3514	MILK COW	CAMBS	29-08-86		< 1	< 1	< 2	
1626	MILK COW	CHESHIRE	05-05-86	10			0	
247	MILK COW	CHESHIRE	05-05-86	4			0	
248	MILK COW	CHESHIRE	07-05-86	< 7	< 12	< 15	< 27	
233	MILK COW	CHESHIRE	08-05-86	< 8	< 17	< 11	< 28	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
249	MILK COW	CHESHIRE	08-05-86	< 8	< 14	< 11	< 25	
228	MILK COW	CHESHIRE	08-05-86	15	< 15	< 17	< 32	
250	MILK COW	CHESHIRE	09-05-86	< 9	< 13	< 10	< 23	
229	MILK COW	CHESHIRE	09-05-86	12	< 12	< 13	< 25	
230	MILK COW	CHESHIRE	10-05-86	10	< 13	< 13	< 26	
234	MILK COW	CHESHIRE	11-05-86	26	19	< 14	< 33	
251	MILK COW	CHESHIRE	11-05-86	< 6	< 11	< 12	< 23	
231	MILK COW	CHESHIRE	11-05-86	< 7	< 14	< 13	< 27	
235	MILK COW	CHESHIRE	12-05-86	12	23	16	39	
252	MILK COW	CHESHIRE	12-05-86	< 5	< 12	< 14	< 26	
232	MILK COW	CHESHIRE	12-05-86	< 7	< 15	< 10	< 25	
651	MILK COW	CHESHIRE	13-05-86	< 7	< 10	< 10	< 20	
649	MILK COW	CHESHIRE	13-05-86	< 7	< 13	< 10	< 23	
482	MILK COW	CLEVELAND	08-05-86	19			0	
481	MILK COW	CLEVELAND	08-05-86	8			0	
586	MILK COW	CLEVELAND	11-05-86	12	10	7	17	
662	MILK COW	CLEVELAND	13-05-86	9	10	4	14	
664	MILK COW	CLEVELAND	13-05-86	9	12	7	19	
661	MILK COW	CLEVELAND	13-05-86	5	2		2	
663	MILK COW	CLEVELAND	13-05-86	16	5	2	7	
668	MILK COW	CLEVELAND	13-05-86	7	6		6	
669	MILK COW	CLEVELAND	13-05-86	17			0	
665	MILK COW	CLEVELAND	13-05-86	5	2		2	
660	MILK COW	CLEVELAND	13-05-86	4	2	2	4	
87	MILK COW	CORNWALL	05-05-86	4	0		0	
311	MILK COW	CORNWALL	05-05-86	6	2	1	3	
76	MILK COW	CORNWALL	05-05-86	8	0		0	
312	MILK COW	CORNWALL	06-05-86	4	1		1	
88	MILK COW	CORNWALL	06-05-86	4	0		0	
77	MILK COW	CORNWALL	06-05-86	6	2	0	2	
89	MILK COW	CORNWALL	07-05-86	3	1	1	2	
313	MILK COW	CORNWALL	07-05-86	4	2	1	3	
78	MILK COW	CORNWALL	07-05-86	6	1	1	2	
90	MILK COW	CORNWALL	08-05-86	3	0		0	
314	MILK COW	CORNWALL	08-05-86	3	1	1	2	
79	MILK COW	CORNWALL	08-05-86	8	1		1	
707	MILK COW	CORNWALL	14-05-86	4	2	< 1	< 3	
871	MILK COW	CORNWALL	15-05-86	3	< 1	< 1	< 2	
874	MILK COW	CORNWALL	16-05-86	4	1	< 1	< 2	
3530	MILK COW	CORNWALL	29-08-86		< 1	< 1	< 2	
3833	MILK COW	CORNWALL	16-09-86		< 11	< 10	< 21	
5037	MILK COW	CORNWALL	10-11-86		< 7	< 6	< 13	
453	MILK COW	CUMBRIA	03-05-86	74	45		45	
469	MILK COW	CUMBRIA	03-05-86	270	148	80	228	
360	MILK COW	CUMBRIA	03-05-86	183	97		97	
447	MILK COW	CUMBRIA	03-05-86	142	32		32	
369	MILK COW	CUMBRIA	03-05-86	360	200	125	325	
370	MILK COW	CUMBRIA	04-05-86	371	355	220	575	
470	MILK COW	CUMBRIA	04-05-86	240	200	113	313	
414	MILK COW	CUMBRIA	04-05-86	11	27	13	40	
361	MILK COW	CUMBRIA	04-05-86	224	154	98	252	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
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434	MILK COW	CUMBRIA	04-05-86	16	15	13	28	
426	MILK COW	CUMBRIA	04-05-86	17	25	18	43	
409	MILK COW	CUMBRIA	04-05-86	16	23	17	40	
412	MILK COW	CUMBRIA	04-05-86	11	21	12	33	
439	MILK COW	CUMBRIA	04-05-86	160	210	120	330	
454	MILK COW	CUMBRIA	04-05-86	87	94	43	137	
448	MILK COW	CUMBRIA	04-05-86	200	99	39	138	
382	MILK COW	CUMBRIA	04-05-86	150	130	81	211	
449	MILK COW	CUMBRIA	05-05-86	166	118	64	182	
471	MILK COW	CUMBRIA	05-05-86	182	297	136	433	
362	MILK COW	CUMBRIA	05-05-86	160	150	97	247	
440	MILK COW	CUMBRIA	05-05-86	120	220	150	370	
486	MILK COW	CUMBRIA	05-05-86	110	80		80	
490	MILK COW	CUMBRIA	05-05-86	40	10	6	16	
455	MILK COW	CUMBRIA	05-05-86	100	130	76	206	
495	MILK COW	CUMBRIA	05-05-86	65	25		25	
388	MILK COW	CUMBRIA	05-05-86	270	230	140	370	
367	MILK COW	CUMBRIA	05-05-86	166	64	50	114	
368	MILK COW	CUMBRIA	05-05-86	163	58	37	95	
371	MILK COW	CUMBRIA	05-05-86	< 233	356	211	567	
366	MILK COW	CUMBRIA	05-05-86	156	54	40	94	
372	MILK COW	CUMBRIA	06-05-86	170	330	210	540	
410	MILK COW	CUMBRIA	06-05-86	10	22		22	
728	MILK COW	CUMBRIA	06-05-86	150	15		15	
427	MILK COW	CUMBRIA	06-05-86	44	29		29	
479	MILK COW	CUMBRIA	06-05-86	110	170	118	288	
480	MILK COW	CUMBRIA	06-05-86	98	250	130	380	
485	MILK COW	CUMBRIA	06-05-86	100	130	67	197	
491	MILK COW	CUMBRIA	06-05-86	20	< 10	< 3	< 13	
487	MILK COW	CUMBRIA	06-05-86	85		58	58	
496	MILK COW	CUMBRIA	06-05-86	55	20	< 10	< 30	
435	MILK COW	CUMBRIA	06-05-86	150	66	42	108	
443	MILK COW	CUMBRIA	06-05-86	120	110	74	184	
1640	MILK COW	CUMBRIA	06-05-86	110	99		99	
445	MILK COW	CUMBRIA	06-05-86	150	330	210	540	
472	MILK COW	CUMBRIA	06-05-86	170	220	130	350	
446	MILK COW	CUMBRIA	06-05-86	120	130	120	250	
444	MILK COW	CUMBRIA	06-05-86	22	40		40	
462	MILK COW	CUMBRIA	06-05-86	11	22		22	
441	MILK COW	CUMBRIA	06-05-86	89	260	150	410	
461	MILK COW	CUMBRIA	06-05-86	98	79		79	
413	MILK COW	CUMBRIA	06-05-86	16	17		17	
415	MILK COW	CUMBRIA	06-05-86	110	99		99	
416	MILK COW	CUMBRIA	06-05-86	140	21		21	
389	MILK COW	CUMBRIA	06-05-86	220	300	180	480	
729	MILK COW	CUMBRIA	07-05-86	130	35		35	
417	MILK COW	CUMBRIA	07-05-86	100	40		40	
473	MILK COW	CUMBRIA	07-05-86	140	160	120	280	
456	MILK COW	CUMBRIA	07-05-86	64	110	83	193	
363	MILK COW	CUMBRIA	07-05-86	100	170	88	258	
411	MILK COW	CUMBRIA	07-05-86		36		36	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
450	MILK COW	CUMBRIA	07-05-86	160	140	100	240	
463	MILK COW	CUMBRIA	07-05-86	220	160	90	250	
436	MILK COW	CUMBRIA	07-05-86	120	64	43	107	
428	MILK COW	CUMBRIA	07-05-86	71	52		52	
423	MILK COW	CUMBRIA	07-05-86	78	39		39	
460	MILK COW	CUMBRIA	07-05-86	22	23		23	
390	MILK COW	CUMBRIA	07-05-86	160	280	150	430	
459	MILK COW	CUMBRIA	07-05-86	23	38		38	
383	MILK COW	CUMBRIA	07-05-86	85	150	100	250	
373	MILK COW	CUMBRIA	07-05-86	160	320	210	530	
379	MILK COW	CUMBRIA	08-05-86	138		180	180	
374	MILK COW	CUMBRIA	08-05-86	130	330	78	408	
474	MILK COW	CUMBRIA	08-05-86	110	230	97	327	
488	MILK COW	CUMBRIA	08-05-86	63	109	61	170	
391	MILK COW	CUMBRIA	08-05-86	120	240	150	390	
492	MILK COW	CUMBRIA	08-05-86	25	24	13	37	
457	MILK COW	CUMBRIA	08-05-86	34	110	78	188	
497	MILK COW	CUMBRIA	08-05-86	65	65	32	97	
418	MILK COW	CUMBRIA	08-05-86	60	54		54	
429	MILK COW	CUMBRIA	08-05-86	59	51		51	
730	MILK COW	CUMBRIA	08-05-86	94	35		35	
451	MILK COW	CUMBRIA	08-05-86	130	180	97	277	
464	MILK COW	CUMBRIA	08-05-86	150	220	110	330	
364	MILK COW	CUMBRIA	08-05-86	92	160		160	
424	MILK COW	CUMBRIA	08-05-86	70	41		41	
401	MILK COW	CUMBRIA	08-05-86	300	79	58	137	
396	MILK COW	CUMBRIA	08-05-86	120	150	90	240	
437	MILK COW	CUMBRIA	08-05-86	110	65	39	104	
384	MILK COW	CUMBRIA	08-05-86	49	120	58	178	
402	MILK COW	CUMBRIA	09-05-86	140	79		79	
392	MILK COW	CUMBRIA	09-05-86	100	210	150	360	
425	MILK COW	CUMBRIA	09-05-86	66	< 35		< 35	
430	MILK COW	CUMBRIA	09-05-86	53	49		49	
731	MILK COW	CUMBRIA	09-05-86	76	< 28		< 28	
452	MILK COW	CUMBRIA	09-05-86	120	160	110	270	
493	MILK COW	CUMBRIA	09-05-86	23	20	12	32	
365	MILK COW	CUMBRIA	09-05-86	75	120		120	
465	MILK COW	CUMBRIA	09-05-86	120	120	76	196	
498	MILK COW	CUMBRIA	09-05-86	56	62	33	95	
397	MILK COW	CUMBRIA	09-05-86	110	120	81	201	
385	MILK COW	CUMBRIA	09-05-86	< 24	6	1	7	
438	MILK COW	CUMBRIA	09-05-86	71	42	< 39	< 81	
458	MILK COW	CUMBRIA	09-05-86	48	88	49	137	
419	MILK COW	CUMBRIA	09-05-86	55	22		22	
475	MILK COW	CUMBRIA	09-05-86	23	47		47	
380	MILK COW	CUMBRIA	09-05-86	113	303	162	465	
375	MILK COW	CUMBRIA	09-05-86	110	290	190	480	
376	MILK COW	CUMBRIA	10-05-86	91	250	170	420	
393	MILK COW	CUMBRIA	10-05-86	74	180	110	290	
403	MILK COW	CUMBRIA	10-05-86	200	84	55	139	
431	MILK COW	CUMBRIA	10-05-86	48	58	44	102	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
398	MILK COW	CUMBRIA	10-05-86	94	120	94	214	
666	MILK COW	CUMBRIA	10-05-86	42	96	51	147	
476	MILK COW	CUMBRIA	10-05-86	61	160	110	270	
494	MILK COW	CUMBRIA	10-05-86	25	16	< 8	< 24	
420	MILK COW	CUMBRIA	10-05-86	47	33		33	
466	MILK COW	CUMBRIA	10-05-86	58	100	50	150	
499	MILK COW	CUMBRIA	10-05-86	31	35	19	54	
381	MILK COW	CUMBRIA	10-05-86	63	270	147	417	
467	MILK COW	CUMBRIA	11-05-86	51	90	54	144	
399	MILK COW	CUMBRIA	11-05-86	78	150	69	219	
432	MILK COW	CUMBRIA	11-05-86	32	66		66	
394	MILK COW	CUMBRIA	11-05-86	60	150	100	250	
477	MILK COW	CUMBRIA	11-05-86	56	170	110	280	
404	MILK COW	CUMBRIA	11-05-86	180	110	58	168	
421	MILK COW	CUMBRIA	11-05-86	41	31		31	
386	MILK COW	CUMBRIA	11-05-86	29	70	37	107	
377	MILK COW	CUMBRIA	11-05-86	73	260	140	400	
378	MILK COW	CUMBRIA	12-05-86	43	230	130	360	
433	MILK COW	CUMBRIA	12-05-86	49	98	42	140	
478	MILK COW	CUMBRIA	12-05-86	68	160	100	260	
395	MILK COW	CUMBRIA	12-05-86	41	120	92	212	
422	MILK COW	CUMBRIA	12-05-86	31	27	< 26	< 53	
400	MILK COW	CUMBRIA	12-05-86	73	130	98	228	
468	MILK COW	CUMBRIA	12-05-86	82	110	60	170	
405	MILK COW	CUMBRIA	12-05-86	170	84	52	136	
387	MILK COW	CUMBRIA	12-05-86	30	98	59	157	
711	MILK COW	CUMBRIA	13-05-86	65	220	140	360	
725	MILK COW	CUMBRIA	13-05-86	77	100	80	180	
716	MILK COW	CUMBRIA	13-05-86	21	97	66	163	
715	MILK COW	CUMBRIA	13-05-86	24	92	68	160	
719	MILK COW	CUMBRIA	13-05-86	28	130	91	221	
723	MILK COW	CUMBRIA	13-05-86	70	140	97	237	
714	MILK COW	CUMBRIA	13-05-86	28	88	59	147	
713	MILK COW	CUMBRIA	13-05-86	26	73	55	128	
712	MILK COW	CUMBRIA	13-05-86	31	120	85	205	
717	MILK COW	CUMBRIA	13-05-86	35	81	46	127	
721	MILK COW	CUMBRIA	13-05-86	31	83	46	129	
710	MILK COW	CUMBRIA	13-05-86	28	180	120	300	
724	MILK COW	CUMBRIA	14-05-86	55	130	94	224	
726	MILK COW	CUMBRIA	14-05-86	95	78	54	132	
722	MILK COW	CUMBRIA	14-05-86	37	95	61	156	
720	MILK COW	CUMBRIA	14-05-86	28	110	65	175	
718	MILK COW	CUMBRIA	14-05-86	33	70	57	127	
738	MILK COW	CUMBRIA	15-05-86	23	69	34	103	
742	MILK COW	CUMBRIA	15-05-86	28	98	64	162	
745	MILK COW	CUMBRIA	15-05-86	20	140	100	240	
744	MILK COW	CUMBRIA	15-05-86	41	86	48	134	
740	MILK COW	CUMBRIA	15-05-86	21	58	45	103	
899	MILK COW	CUMBRIA	15-05-86	13	45	24	69	
746	MILK COW	CUMBRIA	15-05-86	74	110	76	186	
732	MILK COW	CUMBRIA	16-05-86	26	74		74	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
735	MILK COW	CUMBRIA	16-05-86	31	93	45	138	
743	MILK COW	CUMBRIA	16-05-86	23	84	64	148	
736	MILK COW	CUMBRIA	16-05-86	30	85	57	142	
734	MILK COW	CUMBRIA	16-05-86	22	99	70	169	
737	MILK COW	CUMBRIA	16-05-86	18	67	51	118	
741	MILK COW	CUMBRIA	16-05-86	27	72	< 57	< 129	
739	MILK COW	CUMBRIA	16-05-86	25	52	< 60	< 112	
733	MILK COW	CUMBRIA	16-05-86	30	141	82	223	
1669	MILK COW	CUMBRIA	16-05-86	27	150	85	235	
1664	MILK COW	CUMBRIA	16-05-86	27	89	57	146	
1656	MILK COW	CUMBRIA	19-05-86		120	71	191	
909	MILK COW	CUMBRIA	19-05-86	< 9	25	13	38	
1660	MILK COW	CUMBRIA	19-05-86	< 25	82	33	115	
1675	MILK COW	CUMBRIA	19-05-86	25	97	46	143	
1665	MILK COW	CUMBRIA	19-05-86	17	82	42	124	
1670	MILK COW	CUMBRIA	19-05-86	28	130	81	211	
1652	MILK COW	CUMBRIA	19-05-86	< 25	57	41	98	
1649	MILK COW	CUMBRIA	20-05-86	< 18	56	38	94	
1650	MILK COW	CUMBRIA	20-05-86	< 17	54		54	
1653	MILK COW	CUMBRIA	20-05-86	< 17	65	39	104	
1648	MILK COW	CUMBRIA	20-05-86	< 17	73	51	124	
1666	MILK COW	CUMBRIA	20-05-86	< 26	61		61	
1647	MILK COW	CUMBRIA	20-05-86	< 32	94	57	151	
1657	MILK COW	CUMBRIA	20-05-86	< 29	120	68	188	
1661	MILK COW	CUMBRIA	20-05-86	< 16	57	41	98	
1676	MILK COW	CUMBRIA	20-05-86	< 29	100	69	169	
1671	MILK COW	CUMBRIA	20-05-86	< 28	120	79	199	
1644	MILK COW	CUMBRIA	20-05-86	< 17	120	69	189	
1641	MILK COW	CUMBRIA	20-05-86	< 18	81	51	132	
1667	MILK COW	CUMBRIA	21-05-86	< 17	78	60	138	
1677	MILK COW	CUMBRIA	21-05-86	< 30	130	78	208	
1662	MILK COW	CUMBRIA	21-05-86	< 17	76	42	118	
1658	MILK COW	CUMBRIA	21-05-86	< 24	89	53	142	
1672	MILK COW	CUMBRIA	21-05-86	21	130	61	191	
1654	MILK COW	CUMBRIA	21-05-86	< 16	71	40	111	
1645	MILK COW	CUMBRIA	23-05-86	< 23	100	45	145	
1642	MILK COW	CUMBRIA	23-05-86	< 16	61	48	109	
1678	MILK COW	CUMBRIA	27-05-86	< 18	109	67	176	
1673	MILK COW	CUMBRIA	27-05-86	< 18	103	64	167	
1659	MILK COW	CUMBRIA	27-05-86	< 17	65	41	106	
1655	MILK COW	CUMBRIA	27-05-86	< 17	33	< 41	< 74	
1668	MILK COW	CUMBRIA	27-05-86	< 17	45	36	81	
1663	MILK COW	CUMBRIA	27-05-86	< 17	46	< 42	< 88	
1646	MILK COW	CUMBRIA	27-05-86	< 10	78	37	115	
1643	MILK COW	CUMBRIA	27-05-86	< 11	72	45	117	
4599	MILK COW	CUMBRIA	16-10-86		< 1	< 1	< 2	
4806	MILK COW	CUMBRIA	09-11-86		19	9	28	
4802	MILK COW	CUMBRIA	10-11-86		5	2	7	
4804	MILK COW	CUMBRIA	10-11-86		25	11	36	
4799	MILK COW	CUMBRIA	10-11-86		14	6	20	
4796	MILK COW	CUMBRIA	10-11-86		4	< 2	< 6	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
4803	MILK COW	CUMBRIA	11-11-86		6	2	8	
4800	MILK COW	CUMBRIA	11-11-86		14	7	21	
4801	MILK COW	CUMBRIA	11-11-86		8	3	11	
4798	MILK COW	CUMBRIA	11-11-86		4	2	6	
4797	MILK COW	CUMBRIA	11-11-86		6	3	9	
4805	MILK COW	CUMBRIA	15-11-86		24	13	37	
4943	MILK COW	CUMBRIA	17-11-86		7	3	10	
4942	MILK COW	CUMBRIA	17-11-86		5	2	7	
4937	MILK COW	CUMBRIA	17-11-86		26	11	37	
4938	MILK COW	CUMBRIA	18-11-86		4	2	6	
4939	MILK COW	CUMBRIA	18-11-86		16	8	24	
4936	MILK COW	CUMBRIA	18-11-86		19	9	28	
4935	MILK COW	CUMBRIA	18-11-86		29	13	42	
4944	MILK COW	CUMBRIA	18-11-86		7	3	10	
4945	MILK COW	CUMBRIA	18-11-86		10	4	14	
4941	MILK COW	CUMBRIA	18-11-86		16	7	23	
4940	MILK COW	CUMBRIA	18-11-86		18	7	25	
4991	MILK COW	CUMBRIA	24-11-86		6	2	8	
4993	MILK COW	CUMBRIA	24-11-86		19	7	26	
4986	MILK COW	CUMBRIA	24-11-86		4	2	6	
4992	MILK COW	CUMBRIA	24-11-86		11	6	17	
4985	MILK COW	CUMBRIA	24-11-86		21	10	31	
4987	MILK COW	CUMBRIA	24-11-86		16	8	24	
4984	MILK COW	CUMBRIA	24-11-86		24	11	35	
4990	MILK COW	CUMBRIA	25-11-86		6	2	8	
4989	MILK COW	CUMBRIA	25-11-86		11	6	17	
4988	MILK COW	CUMBRIA	25-11-86		20	9	29	
4994	MILK COW	CUMBRIA	26-11-86		10	5	15	
5098	MILK COW	CUMBRIA	01-12-86		5	3	8	
5095	MILK COW	CUMBRIA	01-12-86		17	6	23	
5100	MILK COW	CUMBRIA	01-12-86		13	6	19	
5097	MILK COW	CUMBRIA	01-12-86		22	10	32	
5096	MILK COW	CUMBRIA	01-12-86		8	3	11	
5094	MILK COW	CUMBRIA	01-12-86		13	6	19	
5091	MILK COW	CUMBRIA	02-12-86		17	7	24	
5093	MILK COW	CUMBRIA	02-12-86		6	2	8	
5092	MILK COW	CUMBRIA	02-12-86		12	6	18	
5090	MILK COW	CUMBRIA	02-12-86		23	10	33	
5099	MILK COW	CUMBRIA	04-12-86		11	6	17	
5085	MILK COW	CUMBRIA	09-12-86		13	5	18	
5081	MILK COW	CUMBRIA	09-12-86		6	3	9	
5088	MILK COW	CUMBRIA	09-12-86		12	5	17	
5084	MILK COW	CUMBRIA	09-12-86		19	8	27	
5082	MILK COW	CUMBRIA	09-12-86		18	8	26	
5087	MILK COW	CUMBRIA	09-12-86		9	4	13	
5086	MILK COW	CUMBRIA	09-12-86		22	9	31	
5083	MILK COW	CUMBRIA	09-12-86		13	7	20	
5080	MILK COW	CUMBRIA	09-12-86		25	10	35	
5089	MILK COW	CUMBRIA	10-11-87		11	6	17	
276	MILK COW	DERBS	05-05-86	69			0	
277	MILK COW	DERBS	06-05-86	152			0	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
278	MILK COW	DERBS	09-05-86	108			0	
279	MILK COW	DERBS	10-05-86	68			0	
280	MILK COW	DERBS	11-05-86	50			0	
281	MILK COW	DERBS	12-05-86	41			0	
653	MILK COW	DERBS	13-05-86	5			0	
768	MILK COW	DERBS	14-05-86	22			0	
769	MILK COW	DERBS	15-05-86	33			0	
770	MILK COW	DERBS	16-05-86	51			0	
771	MILK COW	DERBS	19-05-86	< 6	< 5		< 5	
857	MILK COW	DERBS	20-05-86	9			0	
927	MILK COW	DERBS	21-05-86	< 6	7		7	
931	MILK COW	DERBS	22-05-86	7	4		4	
108	MILK COW	DEVON	04-05-86	3	< 5		< 5	
122	MILK COW	DEVON	05-05-86	13	0		0	
324	MILK COW	DEVON	05-05-86	14	1		1	
106	MILK COW	DEVON	05-05-86	11	0	1	1	
656	MILK COW	DEVON	05-05-86	16	2	1	3	
114	MILK COW	DEVON	06-05-86	6			0	
310	MILK COW	DEVON	06-05-86	20	1		1	
116	MILK COW	DEVON	06-05-86	16	1	1	2	
123	MILK COW	DEVON	06-05-86	13	1		1	
113	MILK COW	DEVON	06-05-86	8	1		1	
117	MILK COW	DEVON	07-05-86	14	0		0	
304	MILK COW	DEVON	07-05-86	11	1		1	
112	MILK COW	DEVON	07-05-86	4	1		1	
111	MILK COW	DEVON	07-05-86	4	0		0	
118	MILK COW	DEVON	08-05-86	11	2		2	
125	MILK COW	DEVON	08-05-86	8	0		0	
124	MILK COW	DEVON	08-05-86	4	0		0	
107	MILK COW	DEVON	08-05-86	5	0		0	
119	MILK COW	DEVON	09-05-86	6	0	1	1	
120	MILK COW	DEVON	10-05-86	6	1	1	2	
121	MILK COW	DEVON	11-05-86	5	0	0	0	
635	MILK COW	DEVON	12-05-86	6	1	< 1	< 2	
636	MILK COW	DEVON	13-05-86	5	1	< 1	< 2	
706	MILK COW	DEVON	14-05-86	7	< 1	< 1	< 2	
870	MILK COW	DEVON	15-05-86	4	1	< 1	< 2	
873	MILK COW	DEVON	16-05-86	4	1	1	2	
3406	MILK COW	DEVON	03-09-86		< 30	< 24	< 54	
105	MILK COW	DORSET	05-05-86	9	1		1	
408	MILK COW	DURHAM	04-05-86	16	23	< 25	< 48	
547	MILK COW	DURHAM	05-05-86	5			0	
2372	MILK COW	DURHAM	05-05-86	14			0	
525	MILK COW	DURHAM	07-05-86	< 5	< 2		< 2	
548	MILK COW	DURHAM	07-05-86	< 5			0	
524	MILK COW	DURHAM	07-05-86	< 5	< 2		< 2	
407	MILK COW	DURHAM	08-05-86	37	20		20	
551	MILK COW	DURHAM	08-05-86	13	< 3	< 3	< 6	
483	MILK COW	DURHAM	08-05-86	< 5			0	
549	MILK COW	DURHAM	08-05-86	< 5			0	
406	MILK COW	DURHAM	08-05-86	19	14		14	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
552	MILK COW	DURHAM	09-05-86	10	< 3	< 3	< 6	
575	MILK COW	DURHAM	09-05-86	2			0	
574	MILK COW	DURHAM	09-05-86	< 5			0	
573	MILK COW	DURHAM	09-05-86	< 5			0	
553	MILK COW	DURHAM	10-05-86	10	< 3	< 3	< 6	
530	MILK COW	DURHAM	11-05-86	2			0	
529	MILK COW	DURHAM	11-05-86	13	9		9	
554	MILK COW	DURHAM	11-05-86	11	< 3	< 3	< 6	
585	MILK COW	DURHAM	11-05-86	10	10	3	13	
555	MILK COW	DURHAM	12-05-86	17	< 3	< 3	< 6	
658	MILK COW	DURHAM	12-05-86	16			0	
667	MILK COW	DURHAM	13-05-86	10	16	15	31	
556	MILK COW	DURHAM	13-05-86	6	< 3	< 3	< 6	
895	MILK COW	DURHAM	14-05-86	0	2		2	
896	MILK COW	DURHAM	15-05-86	4	4		4	
887	MILK COW	DURHAM	15-05-86	6	3		3	
161	MILK COW	ESSEX	04-05-86	91	26	15	41	
178	MILK COW	ESSEX	04-05-86	109			0	
179	MILK COW	ESSEX	05-05-86	108	31	18	49	
174	MILK COW	ESSEX	05-05-86	82	13	7	20	
162	MILK COW	ESSEX	05-05-86	83	20	10	30	
4646	MILK COW	ESSEX	05-05-86	99	32	< 20	< 52	
4652	MILK COW	ESSEX	06-05-86	45	4	2	6	
4647	MILK COW	ESSEX	06-05-86	75	28	14	42	
4649	MILK COW	ESSEX	06-05-86	68	12	6	18	
4648	MILK COW	ESSEX	06-05-86	68	22	12	34	
4650	MILK COW	ESSEX	06-05-86	141	18	8	26	
4643	MILK COW	ESSEX	06-05-86	96	29	20	49	
200	MILK COW	ESSEX	06-05-86	50	12	1	13	
163	MILK COW	ESSEX	07-05-86	50	9		9	
4651	MILK COW	ESSEX	07-05-86	163	11	< 8	< 19	
196	MILK COW	ESSEX	07-05-86	37	4	2	6	
180	MILK COW	ESSEX	07-05-86	53	26	12	38	
181	MILK COW	ESSEX	08-05-86	41	3	15	18	
175	MILK COW	ESSEX	08-05-86	85	35	17	52	
201	MILK COW	ESSEX	08-05-86	41	12	5	17	
164	MILK COW	ESSEX	08-05-86	40	15	8	23	
197	MILK COW	ESSEX	08-05-86	31	0		0	
202	MILK COW	ESSEX	09-05-86	32	7	7	14	
165	MILK COW	ESSEX	09-05-86	25	13	7	20	
198	MILK COW	ESSEX	09-05-86	33	4	2	6	
182	MILK COW	ESSEX	09-05-86	34	25	11	36	
183	MILK COW	ESSEX	10-05-86	25	19	10	29	
166	MILK COW	ESSEX	10-05-86	18	11	9	20	
203	MILK COW	ESSEX	10-05-86	23	8	6	14	
199	MILK COW	ESSEX	10-05-86	26	4		4	
642	MILK COW	ESSEX	11-05-86	17		7	7	
644	MILK COW	ESSEX	11-05-86	21	6		6	
645	MILK COW	ESSEX	11-05-86	17	8	2	10	
640	MILK COW	ESSEX	11-05-86	15	13	6	19	
679	MILK COW	ESSEX	13-05-86	11	15	7	22	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
680	MILK COW	ESSEX	13-05-86	17	7	3	10	
678	MILK COW	ESSEX	13-05-86	10	10	5	15	
750	MILK COW	ESSEX	13-05-86	12	1		1	
766	MILK COW	ESSEX	14-05-86	24	5	5	10	
748	MILK COW	ESSEX	15-05-86	7	12	6	18	
749	MILK COW	ESSEX	15-05-86	10	< 5		< 5	
751	MILK COW	ESSEX	15-05-86	10	11		11	
747	MILK COW	ESSEX	15-05-86	7	13	4	17	
911	MILK COW	ESSEX	19-05-86	6	11	4	15	
1817	MILK COW	ESSEX	19-05-86	6	11	4	15	
910	MILK COW	ESSEX	20-05-86	3	8	4	12	
3408	MILK COW	ESSEX	28-08-86		< 19	< 17	< 36	
126	MILK COW	GLOS	05-05-86	25	7		7	
321	MILK COW	GLOS	05-05-86	41			0	
334	MILK COW	GLOS	05-05-86	57	8		8	
1819	MILK COW	GLOS	05-05-86	25			0	
128	MILK COW	GLOS	05-05-86	94			0	
1818	MILK COW	GLOS	05-05-86	43			0	
322	MILK COW	GLOS	06-05-86	32			0	
129	MILK COW	GLOS	06-05-86	19	4	3	7	
127	MILK COW	GLOS	06-05-86	39			0	
323	MILK COW	GLOS	07-05-86	19			0	
335	MILK COW	GLOS	09-05-86	7	2	1	3	
336	MILK COW	GLOS	10-05-86	4	0	< 1	< 1	
337	MILK COW	GLOS	11-05-86	3	1	1	2	
338	MILK COW	GLOS	12-05-86	2	1	1	2	
339	MILK COW	GLOS	13-05-86	3	1	< 1	< 2	
342	MILK COW	GLOS	13-05-86	2	1		1	
341	MILK COW	GLOS	13-05-86	9			0	
343	MILK COW	GLOS	13-05-86	1			0	
340	MILK COW	GLOS	13-05-86	1			0	
864	MILK COW	GLOS	13-05-86	9			0	
865	MILK COW	GLOS	14-05-86	19			0	
868	MILK COW	GLOS	15-05-86	10			0	
27	MILK COW	HANTS	04-05-86	70	3		3	
23	MILK COW	HANTS	04-05-86	89	< 2		< 2	
147	MILK COW	HANTS	05-05-86	77	3	2	5	
40	MILK COW	HANTS	05-05-86	10	< 48	< 1	< 49	
28	MILK COW	HANTS	05-05-86	69		< 2	< 2	
24	MILK COW	HANTS	05-05-86	83	< 2	< 2	< 4	
810	MILK COW	HANTS	06-05-86	103			0	
29	MILK COW	HANTS	06-05-86	57	4	1	5	
25	MILK COW	HANTS	06-05-86	63	5	1	6	
148	MILK COW	HANTS	07-05-86	37	3	1	4	
149	MILK COW	HANTS	08-05-86	37	3	2	5	
30	MILK COW	HANTS	08-05-86	31	2	< 1	< 3	
150	MILK COW	HANTS	09-05-86	28	4	2	6	
31	MILK COW	HANTS	10-05-86	25	< 1	< 2	< 3	
151	MILK COW	HANTS	10-05-86	21	4		4	
26	MILK COW	HANTS	10-05-86	42	< 1	< 1	< 2	
597	MILK COW	HANTS	11-05-86	10	2	< 1	< 3	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
598	MILK COW	HANTS	12-05-86	12	8	< 9	< 17	
592	MILK COW	HANTS	12-05-86	14	4	< 1	< 5	
591	MILK COW	HANTS	12-05-86	25	< 1	< 1	< 2	
843	MILK COW	HANTS	14-05-86	< 8	< 2	< 2	< 4	
699	MILK COW	HANTS	14-05-86	10	10	< 1	< 11	
698	MILK COW	HANTS	14-05-86	7	< 2	< 2	< 4	
844	MILK COW	HANTS	14-05-86	< 13	< 12	< 1	< 13	
697	MILK COW	HANTS	14-05-86	20	< 2	< 2	< 4	
842	MILK COW	HANTS	14-05-86	< 23	< 2	< 2	< 4	
798	MILK COW	HANTS	14-05-86	40			0	
825	MILK COW	HANTS	15-05-86	9	3	< 2	< 5	
821	MILK COW	HANTS	16-05-86	20	< 2	< 2	< 4	
903	MILK COW	HANTS	20-05-86	< 15	< 10	< 8	< 18	
853	MILK COW	HANTS	20-05-86	< 3	< 2	< 2	< 4	
2058	MILK COW	HANTS	26-06-86		0	0	0	
285	MILK COW	HEREFORD	05-05-86	80	6	< 19	< 25	
255	MILK COW	HEREFORD	05-05-86	88			0	
286	MILK COW	HEREFORD	06-05-86	60			0	
256	MILK COW	HEREFORD	06-05-86	95			0	
287	MILK COW	HEREFORD	07-05-86	88			0	
257	MILK COW	HEREFORD	07-05-86	93			0	
288	MILK COW	HEREFORD	08-05-86	88			0	
258	MILK COW	HEREFORD	08-05-86	78			0	
289	MILK COW	HEREFORD	09-05-86	103		20	20	
290	MILK COW	HEREFORD	10-05-86	64		17	17	
291	MILK COW	HEREFORD	11-05-86	72	27	21	48	
292	MILK COW	HEREFORD	12-05-86	65	17		17	
654	MILK COW	HEREFORD	13-05-86	5	2		2	
781	MILK COW	HEREFORD	14-05-86	27			0	
777	MILK COW	HEREFORD	14-05-86	36			0	
778	MILK COW	HEREFORD	15-05-86	32			0	
779	MILK COW	HEREFORD	16-05-86	27			0	
856	MILK COW	HEREFORD	20-05-86	14	9	< 19	< 28	
929	MILK COW	HEREFORD	22-05-86	< 13	20		20	
189	MILK COW	HERTS	04-05-86	54	3		3	
184	MILK COW	HERTS	04-05-86	31	5		5	
185	MILK COW	HERTS	05-05-86	23	3		3	
190	MILK COW	HERTS	05-05-86	< 60	4		4	
4644	MILK COW	HERTS	06-05-86	27	3	1	4	
4645	MILK COW	HERTS	06-05-86	27	5	2	7	
4642	MILK COW	HERTS	06-05-86	50	3	< 2	< 5	
191	MILK COW	HERTS	07-05-86	52	8		8	
186	MILK COW	HERTS	08-05-86	25	6	2	8	
187	MILK COW	HERTS	09-05-86	22	5	2	7	
188	MILK COW	HERTS	10-05-86	16	3		3	
643	MILK COW	HERTS	11-05-86	10	4	2	6	
681	MILK COW	HERTS	13-05-86	13	5		5	
753	MILK COW	HERTS	14-05-86	8	4		4	
752	MILK COW	HERTS	15-05-86	7	4	2	6	
531	MILK COW	HUMBER	05-05-86	45	20		20	
532	MILK COW	HUMBER	05-05-86	12	4		4	

No.	Type	County	Sample Date	I131	Cs137	Cs134	Tot Cs	Comments
522	MILK COW	HUMBER	05-05-86	100	< 4		< 4	
540	MILK COW	HUMBER	07-05-86	28	30		30	
533	MILK COW	HUMBER	07-05-86	30	7		7	
541	MILK COW	HUMBER	08-05-86	45	24	13	37	
534	MILK COW	HUMBER	08-05-86	28	7	< 4	< 11	
542	MILK COW	HUMBER	09-05-86	121	48	22	70	
535	MILK COW	HUMBER	09-05-86	25	8	< 4	< 12	
543	MILK COW	HUMBER	10-05-86	33	14	10	24	
536	MILK COW	HUMBER	10-05-86	30	11	5	16	
537	MILK COW	HUMBER	11-05-86	23	9	10	19	
544	MILK COW	HUMBER	11-05-86	32	13	7	20	
880	MILK COW	HUMBER	11-05-86	12	7	7	14	
545	MILK COW	HUMBER	12-05-86	33	19	9	28	
538	MILK COW	HUMBER	12-05-86	25	5	< 7	< 12	
546	MILK COW	HUMBER	13-05-86	36	18	12	30	
539	MILK COW	HUMBER	13-05-86	16	< 6	< 6	< 12	
893	MILK COW	HUMBER	14-05-86	21	9	9	18	
889	MILK COW	HUMBER	14-05-86	29	14	8	22	
846	MILK COW	HUMBER	15-05-86	< 34	< 23	< 6	< 29	
847	MILK COW	HUMBER	19-05-86	< 20	< 5	< 5	< 10	
877	MILK COW	HUMBER	20-05-86	18	10	< 5	< 15	
4055	MILK COW	HUMBER	04-09-86		< 28	< 24	< 52	
4492	MILK COW	HUMBER	13-10-86		< 28	< 26	< 54	
5020	MILK COW	HUMBER	05-11-86		< 6	< 6	< 12	
794	MILK COW	IOW	06-05-86	49			0	
793	MILK COW	IOW	07-05-86	60			0	
795	MILK COW	IOW	08-05-86	31			0	
617	MILK COW	IOW	11-05-86	12	6	< 1	< 7	
618	MILK COW	IOW	12-05-86	16	4	< 1	< 5	
796	MILK COW	IOW	12-05-86	29			0	
619	MILK COW	IOW	13-05-86	11	2	< 1	< 3	
696	MILK COW	IOW	14-05-86	9	3	< 2	< 5	
797	MILK COW	IOW	15-05-86	20			0	
852	MILK COW	IOW	20-05-86	3	< 2	< 2	< 4	
951	MILK COW	IOW	22-05-86	< 17	< 8	< 6	< 14	
32	MILK COW	KENT	04-05-86	76	< 2	< 2	< 4	
625	MILK COW	KENT	05-05-86	9	< 4		< 4	
54	MILK COW	KENT	05-05-86	56	8	8	16	
48	MILK COW	KENT	05-05-86	210	10	4	14	
58	MILK COW	KENT	05-05-86	76	11	< 8	< 19	
36	MILK COW	KENT	05-05-86	100			0	
33	MILK COW	KENT	05-05-86	74	< 2		< 2	
46	MILK COW	KENT	06-05-86	100			0	
47	MILK COW	KENT	06-05-86	103			0	
55	MILK COW	KENT	06-05-86	41	8	8	16	
626	MILK COW	KENT	06-05-86	42	< 3		< 3	
66	MILK COW	KENT	06-05-86	71	24	< 8	< 32	
37	MILK COW	KENT	06-05-86	41	23	< 8	< 31	
70	MILK COW	KENT	06-05-86	0	3	3	6	
59	MILK COW	KENT	06-05-86	80	28	< 9	< 37	
628	MILK COW	KENT	06-05-86	9	2		2	