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Some countries already submitted
data for 2005

Yearly enquiry on the situation of milk recording in member countries

Results
for the years
2003 and 2004

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Table 1 - National Milk Production



Year	Country	Total number of dairy cows	Total number of dairy herds	Average of cows per herd	Average milk production per cow per year (kg)	Percent of fat production per cow per year (%)	Percent of protein production per cow per year (%)
2003	Australia	2 028 000	9 611	211	5 072	4.10	3.31
2004	Australia	2 010 000	9 256	217	5 157	4.07	3.29
2003	Austria	557 877	56 600	9.9	5 638	4.15	3.38
2004	Austria	537 953	51 400	10.5	5 802	4.15	3.38
2003	Belgium (Vlaams Region)	328 630	9 560	34	n.a.	n.a.	n.a.
2004	Belgium (Vlaams Region)	319 743	9 197	34	n.a.	n.a.	n.a.
2003	Belgium (Wallonia Region)	247 425 (15/05/2003)	6 804 (15/05/2003)	36.4 (15/05/2003)	5 334	3.99	3.29
2004	Belgium (Wallonia Region)	239 095 (12/05/2004)	6 450 (15/05/2004)	37.1 (15/05/2004)	5 559	4.01	3.31
2003	Canada	1 065 300	17 931	59.4	7 647	3.73	3.23
2004	Canada	1 056 700	16 970	62.3	8 257	3.72	3.22
2003	Croatia	223 954	42 813	5.23	2 866	3.97	3.34
2004	Croatia	229 042	38 363	6.0	n.a.	4.02	3.32
2003	Czech Republic	460 000	n.a.	n.a.	5 924	3.97	3.38
2004	Czech Republic	445 000			6 198	4.00	3.40
2003	Denmark	595 000	7 400	81	7 500	4.32	3.47
2004	Denmark	569 000	6 600	86	7 700	4.31	3.46
2003	Egypt	1.50 million, head buffalo= 1.5 million, head	n.a.	n.a.	Dairy cows= 5 400 Buffalo= 2 240	n.a.	n.a.
2003	Estonia	115 600	10 897	10.6	5 176	4.10	n.a.
2004	Estonia	116 800	10 180	11.5	5 484	4.10	3.30
2003	Finland	330 200	18 143	18.2	7 626	4.24	3.40
2004	Finland	322 900	16 928	19.1	7 727	4.23	3.41
2003	France	4 127 000	116 000	35.6	5 981	4.19	3.30
2004	France	4 014 000	112 000	35.8	6 062	4.22	3.30

Table 1 - National Milk Production



Year	Country	Total number of dairy cows	Total number of dairy herds	Average of cows per herd	Average milk production per cow per year (kg)	Percent of fat production per cow per year (%)	Percent of protein production per cow per year (%)
2003	Germany	4 337 600	121 500	36.0	6 537	4.19	3.43
2004	Germany	4 286 600	111 800	38.2	6 585	4.22	3.43
2003	Hungary	337 000	34 000	9.9	5 988	n.a.	n.a.
2004	Hungary	302 000	n.a.	n.a.	6 110	n.a.	n.a.
2003	Ireland	1 135 700	26 000	42.2	4 677	3.73	3.30
2004	Ireland	1 121 800	n.a.	n.a.	4 697	3.75	3.30
2003	Israel	115 000	1 100	104	10 427	3.51	3.15
2004	Israel	115 000	1 050	109	10 575	3.58	3.12
2003	Italy ¹	1 913 000	62 763	30.5	5 802	3.67	3.26
2004	Italy ¹	1 838 000	56 096	32.8	6 018	3.71	3.29
2003	Japan ²	1 088 000	27 900	39.0	7 613	3.99	3.27
2004	Japan ²	1 055 000	26 900	39.2	7 736	3.99	3.25
2003	Korea	291 211	10 514	27.7	n.a.	n.a.	n.a.
2003	Latvia	186 300	61 100	3.0	4 261	4.11	3.19
2004	Latvia	204 982	67 714	3.0	4 251	n.a.	n.a.
2003	Lithuania	466 743	199 381	2.3	4 015	n.a.	n.a.
2004	Lithuania	478 868	187 757	2.6	4 176	n.a.	n.a.
2003	Luxembourg	40 599	1 035	39.2	6 581	4.20	n.a.
2004	Luxembourg	39 879	991	40.2	6 755	4.20	n.a.
2003	Mexico	6 800 000	n.a.	n.a.	1 439	n.a.	n.a.
2004	Mexico	6 850 000	n.a.	n.a.	1 441	n.a.	n.a.
2003	New Zealand	3 851 302	12 751	302	3 913	4.70	3.52
2004	New Zealand	3 867 659	12 271	315	3 688	4.77	3.58

¹ Total number of dairy herds: data from BDN (National Bovine Data Bank); Percent of fat and protein % estimated on sold milk ; average milk production calculated as ratio of total produced milk with total estimated number of dairy cows

² Total number of cows and herds, on the 1st Feb 2004

Table 1 - National Milk Production



Year	Country	Total number of dairy cows	Total number of dairy herds	Average of cows per herd	Average milk production per cow per year (kg)	Percent of fat production per cow per year (%)	Percent of protein production per cow per year (%)
2003	Norther Ireland	291 000	4 425	66	6 260	3.85	3.22
2004	Norther Ireland	290 000	4 201	68	6 270	3.96	3.27
2003	Norway	278 100	17 803	15.6	6 314	4.16	3.27
2004	Norway	280 090	16 900	16.6	6 469	4.17	3.30
2003	Poland	2 897 400	n.a.	n.a.	3 969	3.90	3.20
2004	Poland	2 769 524	n.a.	n.a.	4 082	3.96	3.18
2003	Slovak Republic	259 873	1 267	205	5 028	3.74	3.16
2004	Slovak Republic	231 873	1 324	175	5 336	3.77	3.28
2003	Slovenia	110 000	11 000	10	4 750	4.14	3.34
2004	Slovenia	111 251	11 921	9.3	4 993	4.16	3.36
2003	South Africa	545 000	4 669	70	4 047	4.25	3.38
2004	South Africa	520 000	4 508	115	4 744	4.17	3.42
2003	Spain	1 113 089	39 217	28.3	5 464	3.75	3.20
2004	Spain	1 107 000	33 724	32.8	5 614	3.75	3.20
2003	Sweden	402 500	9 853	41.4	8 073	4.22	3.35
2004	Sweden	403 700	9 228	44.0	8 107	4.25	3.38
2003	Switzerland	703 432	44 234	15.9	5 590	3.96	3.26
2004	Switzerland	690 997	42 890	16.1	5 680	3.93	3.26
2003	The Netherlands	1 477 800	25 004	59	7 494	4.43	3.48
2004	The Netherlands	1 470 589	24 332	60	7 335	4.44	3.48
2003	Turkey	5 040 362	2 165 000	2.3	1 888	n.a.	n.a.
2003	UK - England ³	79 843	662	120	7 621	4.01	3.29
2004	UK – England ³	83 029	669	124	7 638	4.08	3.26

³ Does not include 1 stop herds



Table 1 - National Milk Production

Year	Country	Total number of dairy cows	Total number of dairy herds	Average of cows per herd	Average milk production per cow per year (kg)	Percent of fat production per cow per year (%)	Percent of protein production per cow per year (%)
2003	UK – Wales ³	10 255	112	91	7 138	4.13	3.32
2004	UK – Wales ³	11 177	112	99	7 171	4.18	3.30
2003	UK - (England & Wales)	1 710 000	17 100	100	6 476	3.97	3.30
2003	UK - Jersey	3 354	39	86	4 581	5.08	3.85
2003	UK – Scotland ⁴	93 396	681	137	7 116	3.87	3.28
2004	UK - Scotland ⁴	95 475	685	139	7 242	3.94	3.25
2003	USA ⁵	9 084 000	70 410	n.a.	8 504	3.67	n.a.
2004 (Jan – Mar)	USA ⁵	8 991 000	n.a.	n.a.	8 618	n.a.	n.a.

⁴ All animals irrespective of length of lactation on test by test basis

⁵ USDA - NASS

Table 2 - Position of milk recording

Year	Country	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per recorded herd	Percent of recorded herds per method A3	Percent of recorded herds per method A4	Percent of recorded herds per method A6	Percent of recorded herds per method AT	Percent of recorded herds per method B	Others
2003	Australia	1 020 801	50	5 704	59	179						
2004	Australia	949 726	47	5 080	55	187						
2003	Austria	373.966	67.0	27 286	48.2	13.7				100		
2004	Austria	372.736	69.3	26 514	51.6	14.1				100		
01/09/2003 - 31/08/2004	Belgium (Vlaams Region)	147 004		3 486		42		80.5		19.5		
01/09/2004- 31/08/2005	Belgium (Vlaams Region)	140 018		3 320		42.2		78.4		21.6		
2003	Belgium (Wallonia Region)	72. 560	29.3	1 520	22.3	47.7	0	88.0	12.0	0	0	
2004	Belgium (Wallonia Region)	72 315	30.3	1 482	23.0	48.8	0	87.8	12.2	0	0	
2003	Canada	746 641	70.1	12 088	67.4	61.8						
2004	Canada	745 236	70.0	11 736	69.2	63.5						
2003	Croatia	46 754	20.9	5 039	11.8	10.8				86.9		B4 - 13.11
2004	Croatia	77 777	33.9	8 683	22.6	11.2				66.8	33,25	
2003	Czech Republic	443 750	96.5	3 437		129		98.8		1.2		
2004	Czech Republic	425 646	95.7	3 146		135		98.9		1.1		
2003	Denmark	545 504	92	6 500	88	84	0	10	0	0	90	
2004	Denmark	521 781	92.6	5 797	90	90	0	12			88	
2003	Egypt	6 000	0.20	350	n.a.	n.a.		n.a.				
2003	Estonia	101 966	88.2	2 833	26.0	36.0					100	
2004	Estonia	102 788	88.0	2 712	24.9	37.5					100	

Table 2 - Position of milk recording

Year	Country	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per recorded herd	Percent of recorded herds per method A3	Percent of recorded herds per method A4	Percent of recorded herds per method A6	Percent of recorded herds per method AT	Percent of recorded herds per method B	Others
2003	Finland	255 914	77.5	12 532	69.1	20.4					97.2	C4 - 2.8
2004	Finland	248 810	77.1	11 704	69.1	21.3					97.3	C4 - 2.7
2003	France	2 724 297	66	67 462	58	40.4		58.9	7.7	9.8		A5 - 20.9%, A7 - 2.6%, Others - 1%
2004	France	2 672 162	67	66 212	59	40.4		54	7	11		A5 - 24%, A7 - 3%, Others - 1%
2003	Germany	3 624 871	83.1	76 640	63.3	47.3		43.6		18.3	B4 29,8	AM - 0.3 BT - 7.0 BM - 1.0
2004	Germany	3 587 037	83.8	74 321	64.3	48.3		41.3		26.0	B4 8,5	AM - 11.6 BT - 5.6 BM - 7.0
2003	Ireland	365 128		6 916		53		53	36			A8 - 11%
2004	Ireland	381 430		6 301		61		48	38			A8 - 14%
2003	Italy ¹	1 358 778	71.0	23 946	38.1	56.7		(*A4+A6=73.85)		(*AT=26.15)		
2004	Italy ¹	1 345 517	73.2	23 292	41.5	57.7		(*A4+A6=71.56)		(*AT=28.44)		
2003	Japan	553 442	50.9	11 191	40.1	49.5		80.3		18.7	1.0	B - B4
2004	Japan	561 752	53.2	11 059	41.1	50.8		76.2		22.8	1.0	B - B4
2003	Korea	134 824	46.3	3 976	37.8	33.9		100				
2003	Latvia	98 460	52.9	11 433	18.7	8.6						
2004	Latvia	101 669	50.2	12 102	17.1	9.3						
2003	Lithuania	176 178	37.7	21 984	11	8		7.3		92.7		
2004	Lithuania	201 939	42.2	25 235	13.4	8		7.6		92.4		
2003	Luxembourg	19 851	48.9	443	42.8	44.8		54.2		43.4	2.4	
2004	Luxembourg	19 655	49.3	425	42.9	46.2		45.5		45.7	6.3	2.5

¹ All cows recorded in the period oct 1st,2002-sep 30th, 2003.; *=Number of herds by method: please note that in this case statistics are done by breed, so each herd is counted as many times as the breeds inside it



Table 2 - Position of milk recording

Year	Country	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per recorded herd	Percent of recorded herds per method A3	Percent of recorded herds per method A4	Percent of recorded herds per method A6	Percent of recorded herds per method AT	Percent of recorded herds per method B	Others
2003	Mexico	43 785	1.93	114	n.a.	384	0	95	5	0	0	n.a.
2004	Mexico	39 578	1.73	98	n.a.	389.2	0	92	4	0	4	n.a.
2003	New Zealand	2 841 720	73.8	9 772	76.6	291	null	Null	Null	27	73%	
2004	New Zealand	2 810 528	72.7	9 306	75.8	302	null	Null	Null	26.6	73.43%	
2003	Northern Ireland	70 972	24	980	22	85		80	20			
2004	Northern Ireland	72 360	25	950	23	90		80	20			
2003	Norway	257 155	96	16 203	95	15.9					100	
2004	Norway	248 980	95	15 271	94.2	16.3					100	
2003	Poland	470 722	16.2	20 935		22.5		39		30 (AT4)		% of recorded herds per method A8 – 31
2004	Poland	481 334	17.4	19 167		25.1		38		37 (AT4)		% of recorded herds per method A8 – 25
2003	Portugal	107 491		2 215		48.5		35.17		64.8		
2004	Portugal	105 449		2 130		49.5		35.68		64.3		
2003	Slovak Republic	199 143	76.7	972	76.7	205.0		20.00		80.0		
2004	Slovak Republic	170 381	73.1	849	73.1	200.7		6.31		93.7		



Table 2 - Position of milk recording

Year	Country	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per recorded herd	Percent of recorded herds per method A3	Percent of recorded herds per method A4	Percent of recorded herds per method A6	Percent of recorded herds per method AT	Percent of recorded herds per method B	Others
2003	Slovenia	75 790	68.9	5 789	52.6	13.1		100				
2004	Slovenia	82 520	74.2	5 534	46.4	14.9				100		Slovenia introduced AT4 method with March 1st. 2004
2003	South Africa	116 165	22	904	19	129					100	
2004	South Africa	114 000	22	800	18	142					100	
2003	Spain	541 811	48.6	9 825	48.6	55.1		78.8		21.2		
2004	Spain	532 407	48.1	9 720	48.1	54.7		77.7		22.2		
2003	Sweden	346 132	86.5	7 494	74.9	44.7					B4: 100	
2004	Sweden	345 038	85	7 072	77	47.0					B4: 100	
2003	Switzerland	462 022	100	28 063	100	16.5	0	100	0	0	0	
2004	Switzerland	448 579	100	27 291	100	16.4	0	81.61	0	18.4	0	
2003	The Netherlands	1 272 352	85	19 701	78	64	4	62	34			
2004	The Netherlands	1 255 528	85	19 324	79	65	3	61	36			
2003	Turkey	146 819	15.8	13 442	0.6	10.9	0	0	0	0	100	
2003	UK - England	79 843		662		120		46	19		32%	
2004	UK - England	83 029		669		124		38	31		28%	
2003	UK - Scotland	93 396		681		137	0	81.5	6.75		9.40%	Also A8 - 3.08%
2004	UK - Scotland	95 475		685		139		80	7		10%	A8 - 3%
2003	UK - Wales	10 255		112		91		39	12		47	
2004	UK - Wales	11 177		99		99		29	26		40%	



Table 2 - Position of milk recording

Year	Country	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per recorded herd	Percent of recorded herds per method A3	Percent of recorded herds per method A4	Percent of recorded herds per method A6	Percent of recorded herds per method AT	Percent of recorded herds per method B	Others
2003	UK England & Wales	852 840	50	6 802	40	125	0.02	82	2	25	12	3
2003	UK - Jersey	3 354	100	39	100	86	0	100	0	0	0	
2003	USA ²	4 232 629		27 784		152		19.5		64	16.5	
2004	USA ²	4 071 099		26 236		155		19.8		64.1	16.1	

² DHI Participation

Table 3 - Costs and financing



Year	Country	Cost price of milk recording per cow and per year - A4	Cost price of milk recording per cow and per year - A6	Cost price of milk recording per cow and per year - AT	Cost price of milk recording per cow and per year - B	Part of the cost price paid by the producer % - A4	Part of the cost price paid by the producer % - A6	Part of the cost price paid by the producer % - AT	Part of the cost price paid by the producer % - B	Others
2003	Austria			151				49.5		
2004	Austria			174				51.5		
2003	Belgium (Wallonia Region)	134 lt	118 lt	not used	not used	71	68	not used	not used	
2003	Croatia			50	B4 50			50	B4 50	
2004	Croatia			40	30			50	50	
2003	Czech Republic	37.2		30.8		75		100		
2004	Czech Republic	42.0		33.0		85		100		
2003	Denmark	69	-	-	41	100	-	-	100	
2004	Denmark	71	-	-	45	100	-	-	100	
2003	Egypt	12 lt				100% for commercial, free for small farms				
2003	Estonia				40.4				62.0	
2004	Estonia				36.6				62.0	
2003	France	142 kg		113 kg		100		100		
2004	France.	142 kg		113 kg		100		100		
2003	Germany	49.8		AT 39.4 AM 39.4	B4 43.9 BT 43.9 BM 42.5	28.2 - 43.2		AT 23.7 - 39.1 AM 23.5 - 39.5	B4 16.4 - 39.8 BT 16.2 - 41.6 BM 16.2 - 40.9	

Table 3 - Costs and financing

Year	Country	Cost price of milk recording per cow and per year - A4	Cost price of milk recording per cow and per year - A6	Cost price of milk recording per cow and per year - AT	Cost price of milk recording per cow and per year - B	Part of the cost price paid by the producer % - A4	Part of the cost price paid by the producer % - A6	Part of the cost price paid by the producer % - AT	Part of the cost price paid by the producer % - B	Others
2004	Germany	50.3		AT 40.3 AM 40.3	B4 44.7 BT 44.8 BM 43.2	28.5 - 43.2		AT 23.7 - 41.1 AM 25.0 - 39.8	B4 17.7 - 40.4 BT 17.5 - 42.0 BM 17.7 - 40.8	
2003	Ireland	15.€	12.8€							A8 - 10.0€
2004	Ireland	15.5€	13€			100	100			A8 – 10€ A8 -8€ Compact Spring herd
2003	Italy ¹	92.8 lt	74.2 lt	69.6 lt		30	30	30		
2004	Italy ¹	95.4 lt	76.3 lt	71.6 lt		30	30	30		
2003	Japan	53.4				63.0				
2004	Japan	53.7				63.3				
2003	Latvia	5.9	-	-	5.9	0	-	-	0	
2004	Latvia	5.9			5.9	0			0	
2003	Lithuania	23		18		11.4		14.2		
2004	Lithuania	23		18		31		39		
2003	Luxembourg	69.0		55.2	46.3	50		50	50	
2004	Luxembourg	66.4		54.0	44.8	50		50	50	
2003	México	88	n.a.	n.a.	n.a.	100	n.a.	n.a.	n.a.	n.a.
2004	México	67	n.a.	n.a.	n.a.	100	n.a.	n.a.	n.a.	n.a.
2003	New Zealand ²				17.8					
2004	New Zealand ²				15.3					

¹ Average milk price for one litre of milk delivered with a butterfat of 3.7% and protein of 3.3% in Lombardia Region

² NZ has no subsidies 100% cost price paid by producer

Table 3 - Costs and financing

Year	Country	Cost price of milk recording per cow and per year - A4	Cost price of milk recording per cow and per year - A6	Cost price of milk recording per cow and per year - AT	Cost price of milk recording per cow and per year - B	Part of the cost price paid by the producer % - A4	Part of the cost price paid by the producer % - A6	Part of the cost price paid by the producer % - AT	Part of the cost price paid by the producer % - B	Others
2003	Northern Ireland	12.3£	12.3£			100	100			
2004	Northern Ireland	12.3£	9.5£			100	100			
2003	Norway				58				100	
2004	Norway				74				100	
2003	Poland ³	126		117.3		83.2		81.9		
2004	Poland ⁴	115		107		83.2		81.8		
2003	Slovak Republic	32.7		24.4		72		72		
2004	Slovak Republic	41.8		32.7		72		72		
2003	Slovenia	185				15				
2004	Slovenia			160				10		
2003	South Africa				47 lt = R88.5					
2003	Spain	78.9		78.9		70		70		
2004	Spain	78.9		78.9		70		70		
2003	Sweden				B4: 62 lt				100	
2004	Sweden				B4: 62 lt				100	
2003	Switzerland	54.3	0	0	0	32.6	0	0	0	
2004	Switzerland	54.6	0	50.7	0	32.4	0	22.8	0	
2003	Turkey	0	0	0	11.2€	0	0	0	100	
2004	Turkey	0	0	0	13.4€	0	0	0	100	
2003	UK - England									
2004	UK - England									

³ Cost price of milk recording per cow and per year method A8 104.0 litres of milk; Part of the cost price paid by the producer % method A8 - 79.5

⁴ Cost price of milk recording per cow and per year method A8 94 liters of milk; Part of the cost price paid by the producer % method A8 - 79.5



Table 3 - Costs and financing

Year	Country	Cost price of milk recording per cow and per year - A4	Cost price of milk recording per cow and per year - A6	Cost price of milk recording per cow and per year - AT	Cost price of milk recording per cow and per year - B	Part of the cost price paid by the producer % - A4	Part of the cost price paid by the producer % - A6	Part of the cost price paid by the producer % - AT	Part of the cost price paid by the producer % - B	Others
2003	UK - Wales									
2004	UK - Wales									
2003	UK - England & Wales					100	100	100	100	
2003	UK - Jersey	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
2003	UK - Scotland					100	100	100	100	
2004	UK - Scotland					100	100	100	100	
2003 - 2004	USA					100		100	100	

Table 4.1 - All breeds together - All recorded cows

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	Australia	722 074	310	6 260	6 260	4.00	3.3	
2004	Australia	725 374	314	6 476	6 476	4.00	3.3	
2003	Austria	314 254	299		6 350	4.17	3.41	
2004	Austria	313 054	299		6 495	4.19	3.41	
2003	Belgium (Wallonia Region)	51 774	342	7 824	7 470	4.08	3.33	
2004	Belgium (Wallonia Region)	53 446	344	7 891	7 536	4.05	3.34	417
2003	Canada	294 747	305		9 519	3.73	3.23	
2004	Canada	292 180	305		9 458	3.72	3.22	
2003	Croatia	27 310			5 090	3.97	3.34	418
2004	Croatia	29 873			4 870	4.02	3.32	414
2003	Czech Republic	364 428	296	6 421	6 567	4.10	3.39	408
2004	Czech Republic	346 877	296	6 662	6 813	4.04	3.33	409
2003	Denmark ¹	545 504	365	8 224		4.32	3.47	
2004	Denmark ¹	521 781	365	8 442		4.31	3.46	
2003	Egypt	10 530 (All breeds together except buffalo)	335	4 950	4 610	n.a.	n.a.	450
2003	Estonia	101 785	342	5 693	5 777	4.28	3.24	411
2004	Estonia	100 890	339	6 055	5 987	4.24	3.27	418
2003	Finland	255 914	305	8 121	8 208	4.28	3.42	399
2004	Finland	248 810	305	8 307	8 334	4.27	3.43	402
2003	France.	2 724 297	316	7 387	6 694	4.04	3.20	404
2004	France	2 672 162	323	7 507	6 735	4.04	3.23	404

¹ 365 d. rolling average

Table 4.1 - All breeds together - All recorded cows

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	Germany	3 592 938	319	7 355	7 245	4.12	3.40	398
2004	Germany	3 581 821	319	7 407	7 317	4.13	3.41	398
2003	Hungary	176 411	297	7 618		3.82	3.27	430
2004	Hungary	161 582	298	7 753		3.74	3.20	434
2003	Ireland	310 456	273	6 166		3.68	3.40%	
2004	Ireland	381 430	288	6 553		3.70	3.37%	383
2003	Israel	64 184	356	11 740	10 427	3.51	3.15	423
2004	Israel	63 475	354	11 855	10 575	3.58	3.12	420
2003	Italy ²	862 488	305	8 052	8 052	3.59	3.28	
2004	Italy ³	855 406	305	8 097	8 097	3.63	3.27	
2003	Japan	368 238	359	9 890	9 074	4.01	3.31	432
2004	Japan	371 240	362	10 077	9 178	4.02	3.31	433
2003	Korea	145 942	305		8 899	3.78	3.16	437.8
2003	Latvia	62 143		4 791	4 767	4.37	3.18	-
2004	Latvia	75 874	354	4 936	4 905	4.40	3.24	
2003	Lithuania	113 674	305	5 031	4 791	4.27	3.8	401
2004	Lithuania	143 456	305	5 231	5 016	4.31	3.8	404
2003	Luxembourg	19 851		7 491		4.23	3.40	398
2004	Luxembourg	19 655		7 579		4.24	3.43	399
2003	New Zealand	2 096 309	221	3 942	4 974	4.68	3.54	368.4
2004	New Zealand	2 112 321	221	3 846	4 853	4.67	3.56	369.16
2003	Northern Ireland	70 972	305	7 192	7 192	3.70	3.18	404
2004	Northern Ireland	72 360	305	7 310	7 310	3.75	3.19	406

² Period oct 1st,2002-sep 30th, 2003.Closed lactations having length greater than 200 d; conventional 305 d yields

³ Period oct 1st,2003-sep 30th, 2004.Closed lactations having length greater than 200 d; conventional 305 d yields

Table 4.1 - All breeds together - All recorded cows

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	Norway	265 737	261	6 314	5 639	4.16	3.27	328
2004	Norway	271 791	263	6 469	5 924	4.35	3.43	362
2003	Poland	470 722	305	5 851	5 851	4.23	3.28	414
2004	Poland	481 334	305	6 152	6 152	4.22	3.31	419
2003	Portugal	91 281	354	9 065	7 940	3.64	3.21%	426
2004	Portugal	90 254	361	9 439	8 166	3.62	3.25%	431
2003	Slovak Republic	148 604	294	5 246	5 392	3.97	3.29	414
2004	Slovak Republic	127 254	294	5 724	5 883	4.00	3.23	421
2003	Slovenia	64 426	353	6 232	5 601	4.15	3.33	425
2004	Slovenia	74 840	354	6 367	5 725	4.17	3.33	430
2003	South Africa	116 573				4.22	3.40	
2004	South Africa	129 279		6 658		4.12	3.38	
2003	Spain	340 008	339	9 358	8 488	3.64	3.13	395
2004	Spain	340 980	345	9 536	8 547	3.66	3.15	392
2003	Sweden	346 132	365	8 794		4.14	3.4	401
2004	Sweden	345 038	365	8 994		4.16	3.40	401
2003	Switzerland	358 081	311	6 809	6 718	3.96	3.26	396
2004	Switzerland	351 798	312	6 951	6 818	3.93	3.26	398
2003	The Netherlands	892 469	346	8 737	8 127	4.42	4.40	413
2004	The Netherlands	906 412	346	8 788	8 071	4.37	3.45	414
2003	UK - England ⁴	80 269	333	8 477	7 544	4.00	3.28	417
2004	UK - England ⁵	142 326	331	8 896	7 879	4.03	3.27	421

⁴ October 2000 to september 2001, NQ and Q lactations ending under 305 days or going 305 in this period. Only animals milked over 200 days

⁵ As 2003



Table 4.1 - All breeds together - All recorded cows

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	UK - Wales ⁶	10 026	332	8 048	7 213	4.09	3.31	417
2004	UK - Wales ⁷	17 875	319	8 008	7 136	4.29	3.32	417
2003	England & Wales	683 290			7 719	3.86	3.27	413
2003	UK - Scotland ⁸	97 754	336	7 973	7 146	3.89	3.25	414
2004	UK - Scotland ⁹	108 695	331	8 257	7 372	3.9	3.26	417
2003	UK - Jersey	3 062			4 581	50.8	3.85	390
2003	USA ¹⁰	4 331 143	305	9 632	9 632	3.69	3.07	

⁶ October 2000 to september 2001, NQ and Q lactations ending under 305 days or going 305 in this period. Only animals milked over 200 days

⁷ As 2003

⁸ October 2002 to September 2003, NQ and Q ending lactations under 305 days or going 305 in this period. Only animals milked over 200 days.

⁹ As 2003

¹⁰ DHI Herd Averages

Table 4.2 - All breeds together - Cows in herdbook

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	Australia	98 637	331	7 178	7 178	4.00	3.34	
2004	Australia	98 490	334	7 281	7 281	4.03	3.32	334
2003	Austria	302 353	299		6 368	4.17	3.42	
2004	Austria	301 616	299		6 510	4.19	3.41	
2003 and 2004	Belgium (Wallonia Region) ¹							
2003	Czech Republic	311 365	296	6 555	6 700	4.10	3.39	408
2004	Czech Republic	297 420	296	6 744	6 897	4.05	3.34	400
2003	Denmark ²	545 504	365	8 224		4.32	3.47	
2004	Denmark ²	521 781	365	8 442		4.31	3.46	
2003	Egypt	3 300	310	1 900	1 880	8.00	n.a.	420
2003	Estonia	57 362	340	6 252	6 297	4.27	3.27	409
2004	Estonia	56 824	338	6 605	6 462	4.23	3.29	415
2003	Finland ³	37 472	305		9 279	4.14	3.38	
2004	Finland	37 657	305		9 379	4.13	3.38	
2003	France	2 724 297	314	7 387	6 694	4.04	3.36	404
2004	France	2 672 162	323	7 507	6 735	4.04	3.39	404
2003	Germany	2 478 380	320	7 642	7 523	4.11	3.41	399
2004	Germany	2 502 136	320	7 677	7 618	4.12	3.42	399
2003	Hungary	166 607	297	7 677		3.81	3.26	429
2003	Italy ⁴	862 488	305	8 052	8 052	3.59	3.28	
2004	Italy ⁵	855 406	305	8 097	8 097	3.63	3.27	

¹ all cows in milk recording = all cows in herdbook

² 365 d. rolling average

³ The National Organisation cannot get data before year 2003 (due to an old database)

⁴ Period oct 1st,2002-sep 30th, 2003.Closed lactations having length greater than 200 d; conventional 305 d yields

⁵ Period oct 1st,2003-sep 30th, 2004.Closed lactations having length greater than 200 d; conventional 305 d yields

Table 4.2 - All breeds together - Cows in herdbook

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	Japan	294 608	358	9 988	9 184	4.02	3.31	431
2004	Japan	271 367	363	10 300	9 364	4.02	3.30	434
2003	Latvia	3 439			5 481	4.45	3.21	
2004	Latvia	3 383	343	6 228	6 332	4.49	3.27	409
2003	Luxembourg	18 308		7 647		4.22	3.40	399
2004	Luxembourg	17 289		7 792		4.24	3.43	400
2003	New Zealand ⁶							
2004	New Zealand ⁷	140 567	242	4 290	5 085	4.47	3.53	n.a.
2003	Poland	213 645	305	6 083	6 083	4.19	3.25	
2004	Poland	350 520	305	6 044	6 044	4.18	3.27	
2003	Portugal	41 776	358	9 496	8 263	3.65	3.22	
2004	Portugal	48 369	364	9 854	8 474	3.63	3.26	
2003	The Slovak Republic	50 313	294	5 388	5 538	3.98	3.31	407
2004	The Slovak Republic	41 850	295	5 931	6 081	4.00	3.26	421
2003	Slovenia	64 426	353	6 232	5 601	4.15	3.33	425
2004	Slovenia	74 840	354	6 367	5 725	4.17	3.33	430
2003	South Africa	70 157			4 841	4.32	3.34	
2004	South Africa	80 583	297	7 060	7 060	4.13	3.38	414
2003	Spain	340 008	339	9 358	8 488	3.64	3.13	395
2004	Spain	340 980	345	9 536	8 547	3.66	3.15	392
2003	Switzerland	358 081	311	6 809	6 718	3.96	3.26	396
2004	Switzerland	351 798	312	6 951	6 818	3.93	3.26	398

⁶ National member could not obtain information for the main breed (Holstein Friesian) cows in herdbook and therefore only those available are listed in other section of the database

⁷ The National Member does not have any statistics for Cows in Herdbook. The Herdbook is incorporated with cows in milkrecording



Table 4.2 - All breeds together - Cows in herdbook

Year	Country	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent fat content (%)	Percent protein content (%)	Calving interval (days)
2003	The Netherlands	811 125	347	8 844	8 127	4.42	3.49	
2004	The Netherlands	817 994	347	8 903	8 178	4.40	3.49	
2003	Turkey	73 659	338	6 309	5 665	3.41		399
2003	UK - England	65 320	335	8 692	7 727	4.00	3.27	419
2004	UK - England	108 237	331	9 056	8 011	4.03	3.26	422
2003	UK - Wales	8 492	336	8 251	7 388	4.10	3.30	419
2004	UK - Wales	15 096	328	8 479	7 536	4.18	3.29	421
2003	UK - England & Wales	328 666			8 055	3.86	3.25	415
2003	UK - Jersey	3 062			4 581	5.08	3.85	390
2003	UK - Scotland	49 813	340	8 502	7 571	3.92	3.27	422
2004	UK - Scotland	62 018	335	8 751	7 768	3.93	3.28	424

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Australia	Australian Reds	5 859	303	5 579	5 579	4.21	3.51	
2004	Australia	Australian Reds	6 083	307	5 858	5 858	4.17	3.5	
2003	Australia	Ayrshire	4 499	309	5 154	5 154	4.11	3.37	
2004	Australia	Ayrshire	3 964	305	5 307	5 307	4.1	3.34	
2004	Australia	Brown Swiss	3 251	324	5 809	5 809	4.18	3.47	
2003	Australia	Guernsey	2 517	316	5 178	5 178	4.33	3.51	
2004	Australia	Guernsey	2 299	317	5 376	5 376	4.37	3.48	
2003	Australia	Holstein	498 302	314	6 643	6 643	3.88	3.25	
2004	Australia	Holstein	488 936	318	6 905	6 905	3.88	3.25	
2003	Australia	Illawarra	7 368	307	5 621	5 621	4.05	3.49	
2004	Australia	Illawarra	7 149	309	5 705	5 705	4.14	3.47	
2003	Australia	Jersey	73 888	302	4 800	4 800	4.89	3.76	
2004	Australia	Jersey	79 087	304	4 960	4 960	4.86	3.72	
2003	Austria	Braunvieh	54 576	300		6 546	4.14	3.39	
2004	Austria	Braunvieh	53 210	301		6 638	4.16	3.39	
2003	Austria	Fleckvieh	219 639	298		6 177	4.19	3.45	
2004	Austria	Fleckvieh	219 051	299		6 333	4.21	3.44	
2003	Austria	Grauvieh	2 833	294		4 654	3.92	3.24	
2004	Austria	Grauvieh	2 880	295		4 678	3.95	3.24	
2003	Austria	Holstein	28 225	301		7 866	4.16	3.27	
2004	Austria	Holstein	29 404	301		7 975	4.17	3.26	
2003	Austria	Pinzgauer	8 155	297		5 189	3.90	3.26	
2004	Austria	Pinzgauer	7 758	298		5 317	3.92	3.25	
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Holstein	57 298	353	9 049	8 145	4.10	3.38	414
01/09/2004- 31/08/2005	Belgium (Vlaam Region)	Holstein	56 279	354	9 195		4.13	3.38	415

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Red Holstein	26 461	338	7 567	7 013	4.34	3.44	402
01/09/2004-31/08/2005	Belgium (Vlaam Region)	Red Holstein	25 663	339	7 725		4.37	3.44	403
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Rood	353	323	5 970		4.11	3.42	404
01/09/2004-31/08/2005	Belgium (Vlaam Region)	Rood	277	318	5 689		4.12	3.43	401
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Roodbont	3 297	333	7 101		4.27	3.41	401
01/09/2004-31/08/2005	Belgium (Vlaam Region)	Roodbont	2 595	337	7 172		4.32	3.42	382
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Witblauw - mixte	614	302	5 015		3.75	3.29	381
01/09/2004-31/08/2005	Belgium (Vlaam Region)	Witblauw mixte	609	297	5 068		3.77	3.30	382
01/09/2003 - 31/08/2004	Belgium (Vlaam Region)	Witrood	4 644	323	6 552		4.22	3.37	395
01/09/2004-31/08/2005	Belgium (Vlaam Region)	Witrood	3 493	322	6 582		4.24	3.37	398
2003	Belgium (Wallonia Region)	Blanc-Bleu Belge	2 474	278	3 969	4 465	3.56	3.23	
2004	Belgium (Wallonia Region)	Blanc-Bleu Belge	2 458	280	4 023	4 508	3.56	3.27	
2003	Belgium (Wallonia Region)	Holstein	40 421	348	8 241	7 730	4.07	3.32	
2004	Belgium (Wallonia Region)	Holstein	41 346	350	8 335	7 784	4.05	3.33	
2003	Belgium (Wallonia Region)	Montbéliarde	757	318	6 330	6 257	3.84	3.41	
2004	Belgium (Wallonia Region)	Montbéliarde	666	323	6 849	6 729	3.91	3.43	
2003	Belgium (Wallonia Region)	Normande	325	327	5 952	6 003	4.18	3.53	
2004	Belgium (Wallonia Region)	Normande	363	330	5 805	5 733	4.11	3.56	

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Belgium (Wallonia Region)	Red Holstein	8 879	334	7 001	6 779	4.19	3.37	
2004	Belgium (Wallonia Region)	Red Holstein	8 613	334	7 032	6 837	4.18	3.37	
2003	Canada	Ayrshire	10 337	305		7 386	3.97	3.33	
2004	Canada	Ayrshire	10 055	305		7 323	3.97	3.32	
2003	Canada	Brown Swiss	1 454	305		8 038	4.04	3.49	
2004	Canada	Brown Swiss	1 398	305		8 048	4.07	3.47	
2003	Canada	Canadienne	159	305		5 671	4.15	3.57	
2004	Canada	Canadienne	167	305		5 776	4.12	3.54	
2003	Canada	Guernsey	648	305		6 570	4.49	3.49	
2004	Canada	Guernsey	503	305		6 435	4.54	3.45	
2003	Canada	Holstein	273 149	305		9 721	3.68	3.21	
2004	Canada	Holstein	271 036	305		9 658	3.67	3.19	
2003	Canada	Jersey	8 783	305		6 344	4.87	3.81	
2004	Canada	Jersey	8 804	305		6 291	4.85	3.77	
2003	Canada	Milking Shorthorn	217	305		6 713	3.71	3.28	
2004	Canada	Milking Shorthorn	217	305		6 595	3.69	3.25	
2003	Croatia	Brown	104			5 545	4.00	3.38	405
2004	Croatia	Brown	191			5 684	3.99	3.40	396
2003	Croatia	Holstein	7 500			6 320	3.90	3.31	448
2004	Croatia	Holstein	8 089			6 039	3.90	3.25	443
2003	Croatia	Simmental	19 706			4 620	4.01	3.36	407
2004	Croatia	Simmental	21 584			4 424	4.08	3.35	405
2003	Czech Republic	F Fleckvieh	177 588	294	5 708	5 879	4.21	3.46	401
2004	Czech Republic	F Fleckvieh	164 647	294	5 854	6 017	4.16	3.42	401
2003	Czech Republic	Holstein	94 345	298	7 428	7 651	3.97	3.30	421
2004	Czech Republic	Holstein	96 590	299	7 718	7 834	3.92	3.25	423

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Czech Republic	Montbéliarde	1 242	295	6 888	7 095	4.01	3.44	410
2004	Czech Republic	Montbéliarde	1 338	295	7 333	7 519	3.94	3.40	405
2003	Denmark ¹	Ayrshire	370	365	8 198		4.33	3.56	
2004	Denmark ¹	Ayrshire	175	365	8 141		4.41	3.5	
2003	Denmark ¹	Danish Holstein	390 508	365	8 694		4.12	3.37	
2004	Denmark ¹	Danish Holstein	375 305	365	8 900		4.12	3.38	
2003	Denmark ¹	Jersey	65 832	365	6 004		5.96	4.08	
2004	Denmark ¹	Jersey	61 910	365	6 185		5.95	4.09	
2003	Denmark ¹	Norwegian Red	8	365	6 763		3.80	3.4	
2004	Denmark ¹	Red Danish	44 461		8 119		4.25	3.55	
2003	Denmark ¹	Red Holstein	5 327	365	7 641		4.32	3.47	
2004	Denmark ¹	Red Holstein	5 285	365	7 820		4.37	3.5	
2003	Denmark ¹	X-breeds	35 825	365	7 766		4.40	3.53	
2003	Egypt	Buffalo	3 300	310	1 900	1 880	8.00	n.a.	420
2003	Egypt	Holstein	4 150	350	8 100	7 290	n.a.	n.a.	460
2003	Estonia	Estonian Holstein	74 984	344	5 906	5 992	4.23	3.22	413
2004	Estonia	Estonian Holstein	73 781	342	6 269	6 205	4.20	3.24	421
2003	Estonia	Estonian Red	26 314	335	5 119	5 195	4.42	3.34	404
2004	Estonia	Estonian Red	26 571	331	5 498	5 427	4.35	3.36	411
2003	Finland	Finnish Ayrshire	183 923	305	8 009	8 088	4.39	3.44	401
2004	Finland	Finnish Ayrshire	177 546	305	8 146	8 192	4.38	3.45	403
2003	Finland	Finnish Cattle	2 774	305	6 130	6 315	4.45	3.48	393
2004	Finland	Finnish Cattle	2 366	305	6 126	6 346	4.42	3.49	396
2003	Finland	Holstein-Friesian	68 766	305	8 505	8 600	4.01	3.37	394
2004	Finland	Holstein-Friesian	69 150	305	8 727	8 770	4.01	3.37	398

¹ 365 d. rolling average

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2004	Finland	Jersey	2	305	7 272	6 077	5.64	3.96	
2003	France	Abondance	19 847	287	5 055	4 830	3.71	3.43	
2004	France	Abondance	19 896	288	5 089	4 861	3.70	3.46	
2003	France	Brune	15 936	318	6 618	5 991	4.13	3.51	
2004	France	Brune	16 441	325	6 601	5 906	4.16	3.55	
2003	France	Montbéliarde	380 403	292	6 197	5 854	3.88	3.40	
2004	France	Montbéliarde	381 440	296	6 267	5 901	3.89	3.43	
2003	France	Normande	283 177	298	5 617	5 241	4.32	3.58	
2004	France	Normande	276 457	302	5 672	5 269	4.30	3.66	
2003	France	Pie Rouge des Plaines	10 311	300	6 585	6 174	4.23	3.41	
2004	France	Pie-Rouge des Plaines	10 110	307	6 732	6 257	4.25	3.43	
2003	France	Prim'Holstein	1 946 011	324	7 980	7 153	4.04	3.33	
2004	France	Prim'Holstein	1 898 150	333	8 134	7 204	4.04	3.35	
2003	France	Simmental Française	13 861	287	5 355	5 095	3.99	3.48	
2004	France	Simmental Française	13 767	289	5 351	5 081	3.98	3.52	
2003	France	Tarentaise	7 757	268	3 983	3 883	3.57	3.35	
2004	France	Tarentaise	7 727	273	4 101	3 991	3.56	3.38	
2003	Germany	Braunvieh	196 603	323	6 642	6 554	4.19	3.55	411
2004	Germany	Braunvieh	193 632	323	6 756	6 583	4.19	3.55	411
2003	Germany	Fleckvieh	907 784	316	6 359	6 185	4.13	3.48	394
2004	Germany	Fleckvieh	898 694	316	6 424	6 196	4.13	3.49	394
2003	Germany	Gelbvieh	6 675	314	5 533	5 514	4.14	3.49	399
2004	Germany	Gelbvieh	5 881	315	5 420	5 516	4.14	3.49	399
2004	Germany	Holstein - Rotbunt	274 152	317	7 178	7 151	4.21	3.36	396
2004	Germany	Holstein - Rotbunt	280 123	318	7 112	7 069	4.20	3.35	395
2004	Germany	Holstein - Schwarzbunt	2 049 263	320	7 990	7 984	4.11	3.37	400
2003	Germany	Holsteins - Schwarzbunt	2 032 882	321	7 965	7 894	4.10	3.37	400

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Hungary	Hungarian Holstein Friesian	162 798	298	7 756		3.81	3.26	430
2004	Hungary	Hungarian Holstein Friesian	150 550	298	7 880		3.73	3.20	435
2003	Hungary	Hungarian Red Spotted	5 088	292	4 970		4.07	3.43	408
2004	Hungary	Hungarian Red Spotted	4 571	293	5 012		3.99	3.38	409
2004	Italy ³	Castana	4 493	305	2 785	2 785	3.43	3.37	
2003	Italy ²	Grey of Alps (Grigio Alpina. Grauvieh)	6 096	305	4 703	4 703	3.75	3.38	
2004	Italy ³	Grey of Alps (Grigio Alpina. Grauvieh)	5 841	305	4 804	4 804	3.79	3.39	
2003	Italy ²	Italian Brown (Bruna Italiana)	85 347	305	6 359	6 359	3.89	3.46	
2004	Italy ³	Italian Brown (Bruna Italiana)	81 289	305	6 509	6 509	3.92	3.46	
2003	Italy ²	Italian Friesian (Frisona Italiana)	693 814	305	8 624	8 624	3.55	3.25	
2004	Italy ³	Italian Friesian (Frisona Italiana)	691 159	305	8 634	8 634	3.59	3.25	
2003	Italy ²	Italian Red Spotted (Pezzata Rossa Italiana)	31 744	305	6 043	6 043	3.87	3.42	
2004	Italy ³	Italian Red Spotted (Pezzata Rossa Italiana)	32 015	305	6 182	6 182	3.91	3.42	
2003	Italy ²	Jersey	3 966	305	5 549	5 549	5.31	3.99	
2004	Italy ³	Jersey	3 907	305	5 610	5 610	5.32	3.97	
2003	Italy ²	Modicana	2 260	305	3 261	3 261	3.50	3.48	
2003	Italy ²	Valdostana Red Spotted (Valdostana Pezzata Rossa)	11 866	305	3 610	3 610	3.50	3.27	
2004	Italy ³	Valdostana Red Spotted (Valdostana Pezzata Rossa)	11 261	305	3 670	3 670	3.50	3.25	

² Period oct 1st,2002-sep 30th, 2003.Closed lactations having length greater than 200 d; conventional 305 d yields

³ Period oct 1st,2003-sep 30th, 2004.Closed lactations having length greater than 200 d; conventional 305 d yields

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Japan	Holstein	365 488	359	9 917	9 091	4.01	3.30	432
2004	Japan	Holstein	368 607	362	10 104	9 196	4.01	3.30	433
2003	Japan	Jersey	2 519	340	6 150	5 855	4.95	3.89	410
2004	Japan	Jersey	2 418	337	6 159	5 954	4.92	3.86	411
2004	Latvia	Holstein	15 685			5 601	4.25	3.16	
2003	Latvia	Holstein Black and White	17 377	305		5 296	4.21	3.09	-
2003	Latvia	Latvia Brown	42 219	305		4 550	4.45	3.22	-
2004	Latvia	Latvian Brown	35 289			4 831	4.48	3.29	
2003	Latvia	Other breeds	1 547	305		4 867	4.42	3.21	-
2003	Lithuania	Angler	185	305	5 499	5 501	4.77	2.8	416
2004	Lithuania	Angler	192	305	5 619	5 699	4.75	2.8	406
2003	Lithuania	Ayrshire	367	305	5 691	5 606	4.51	3.0	417
2004	Lithuania	Ayrshire	393	305	6 063	5 882	4.65	2.8	416
2003	Lithuania	Danish Black & Whites	184	305	6 079	6 193	4.17	3.3	444
2004	Lithuania	Danish Black & Whites	180	305	6 176	6 162	4.29	3.2	445
2003	Lithuania	Danish Reds	161	305	5 373	5 600	4.30	2.6	429
2004	Lithuania	Danish Reds	185	305	5 058	5 141	4.50	2.6	420
2003	Lithuania	German Black & Whites	1 008	305	5 480	5 365	4.27	3.3	416
2004	Lithuania	German Black & Whites	1 029	305	5 795	5 669	4.36	3.3	422
2003	Lithuania	German Reds & Whites	238	305	5 320	5 206	4.34	2.9	421
2004	Lithuania	German Reds & Whites	268	305	5 451	5 324	4.27	2.9	410
2003	Lithuania	Holstein	993	305	6 206	6 357	4.17	2.6	441
2004	Lithuania	Holstein	983	305	6 603	6 567	4.22	2.7	445
2003	Lithuania	Lithuanian Black & Whites	80 805	305	5 092	4 839	4.23	3.9	400
2004	Lithuania	Lithuanian Black & Whites	104 158	305	5 284	5 056	4.27	4.0	403

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Lithuania	Lithuanian Reds	28 840	305	4 761	4 525	4.41	3.5	401
2004	Lithuania	Lithuanian Reds	35 012	305	4 984	4 792	4.45	3.5	403
2003	Lithuania	Native Ash-grey	177	305	4 827	4 591	4.19	4.3	378
2004	Lithuania	Native Ash-grey	264	305	5 027	4 760	4.24	4.4	381
2003	Lithuania	Native Withe-back	147	305	4 652	4 369	4.06	4.5	406
2004	Lithuania	Native Withe-back	201	305	4 936	4 720	4.28	4.4	403
2003	Lithuania	Swedish Black & Whites	66	305	7 210	7 188	4.02	2.3	436
2004	Lithuania	Swedish Black & Whites	90	305	6 365	6 355	4.00	1.8	442
2003	Lithuania	Swedish Reds & Whites	342	305	6 896	6 695	4.46	2.2	405
2004	Lithuania	Swedish Reds & Whites	346	305	7 185	7 068	4.49	2.7	410
2003	Luxembourg	Fleckvieh	168		6 419		4.21	3.46	375
2004	Luxembourg	Fleckvieh	200		6 356		4.26	3.45	386
2003	Luxembourg	Holstein-Rotbunt	4 831		6 847		4.38	3.45	391
2004	Luxembourg	Holstein-Rotbunt	4 303		7 043		4.37	3.48	395
2003	Luxembourg	Holstein-Schwarzbunt	14 562		7 746		4.18	3.38	401
2004	Luxembourg	Holstein-Schwarzbunt	14 882		7 777		4.19	3.41	401
2003	Luxembourg	Jersey	41		5 246		5.93	3.98	389
2004	Luxembourg	Jersey	39		5 193		5.60	4.01	408
2003	New Zealand	Ayrshire	24 207	225	3 859	4 808	4.25	3.47	368
2004	New Zealand	Ayrshire	23 340	224	3 728	4 659	4.23	3.47	370
2003	New Zealand	Friesian	1 064 595	219	4 300	5 460	4.24	3.40	369
2004	New Zealand	Friesian	1 034 615	219	4 216	5 352	4.23	3.41	370
2003	New Zealand	Friesian/Jersey cross	642 372	222	3 848	4 840	4.87	3.66	368
2004	New Zealand	Friesian/Jersey cross	691 810	222	3 758	4 726	4.84	3.67	369
2003	New Zealand	Jersey	365 135	223	3 069	3 848	5.62	3.97	368
2004	New Zealand	Jersey	362 556	JR 223	2 970	3 724	5.58	3.98	368

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Northern Ireland	Holstein	66 884	325		7 211	3.69	3.18	404
2004	Northern Ireland	Holstein	67 400	328		7 353	3.74	3.18	406
2003	Poland	Black and White	446 612	305	5 877	5 877	4.23	3.31	414
2004	Poland	Black and White	456 033	305	6 186	6 186	4.21	3.31	419
2003	Poland	Polish Red	1 113	305	3 757	3 757	4.28	3.32	391
2004	Poland	Polish Red	1 179	305	3 894	3 894	4.24	3.33	397
2003	Poland	Red and White	17 655	305	5 784	5 784	4.26	3.30	404
2004	Poland	Red and White	16 504	305	5 904	5 904	4.23	3.33	412
2004	Poland	Simentaler	3 778	305	4 446	4 446	4.06	3.36	388
2002	Poland	Simmentaler	3 920	305	4 107	4 107	3.98	3.32	
2003	Poland	Simmentaler	4 094	305	4 162	4 162	4.05	3.34	392
2004	Portugal	Holstein Frisia	90 254	361	9 439	8 166	3.62	3.25%	431
2003	Portugal	Holstein Frisia	91 281	354	9 065	7 940	3.64	3.21%	426
2003	Slovak Republic	Cross Breeds	109 464	294	5 165	5 309	3.97	3.28	412
2004	Slovak Republic	Cross Breeds	89 937	293	5 596	5 767	4.03	3.23	421
2003	Slovak Republic	Holstein	19 125	297	6 790	6 927	3.87	3.25	427
2004	Slovak Republic	Holstein	20 771	297	7 164	7 308	3.87	3.19	436
2003	Slovak Republic	Slovak Pinzgauer	2 530	288	3 430	3 580	3.97	3.36	409
2004	Slovak Republic	Slovak Pinzgauer	1 819	288	3 558	3 714	3.94	3.28	413
2003	Slovak Republic	Slovak Simmental	17 485	293	4 324	4 456	4.05	3.35	411
2004	Slovak Republic	Slovak Simmental	14 557	294	4 741	4 873	4.10	3.31	412
2003	Slovenia	Black and White	22 014	361	7 711	6 858	4.09	3.26	435
2003	Slovenia	Brown	13 574	353	5 793	5 181	4.16	3.37	425
2004	Slovenia	Brown	14 422	352	5 869	5 290	4.16	3.37	428
2004	Slovenia	Holstein	26 275	367	7 918	6 976	4.11	3.27	443

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Slovenia	Simmental	27 130	346	5 261	4 772	4.23	3.38	420
2004	Slovenia	Simmental	32 262	346	5 412	4 920	4.26	3.38	422
2003	South Africa	Ayrshire	4 745				4.03	3.29	
2004	South Africa	Ayrshire	5 745		5 862		4.10	3.31	
2003	South Africa	Guernsey	1 345				4.44	3.44	
2004	South Africa	Guernsey	1 320		5 621		4.41	3.48	
2003	South Africa	Holstein	69 019				3.76	3.19	
2004	South Africa	Holstein	72 917				3.82	3.20	
2003	South Africa	Jersey	40 898				4.65	3.68	
2004	South Africa	Jersey	48 764		5 132		4.71	3.71	
2003	Spain	Frisona	338 369	339	9 371	8 498	3.64	3.13	380
2004	Spain	Frisona	339 409	345	9 549	8 557	3.66	3.15	380
2003	Spain	Parda Alpina	1 639	294	6 601	6 492	3.88	3.5	402
2004	Spain	Parda Alpina	1 571	296	6 628	6 503	3.79	3.53	402
2003	Sweden	SW - Holstein	161 108	365	9 274		3.98	3.33	407
2003	Sweden	SW - Jersey	1 753	365	6 224		5.69	3.94	398
2003	Sweden	SW - Polled	1 658	365	5 544		4.42	3.57	398
2003	Sweden	SW - Red and White	155 106	365	8 394		4.30	3.48	395
2004	Sweden	Swedish Holstein	166 706	365	9 521		4.01	3.34	407
2004	Sweden	Swedish Jersey	1 887	365	6 327		5.66	3.41	398
2004	Sweden	Swedish polled	1 672	365	5 663		4.47	3.6	398
2004	Sweden	Swedish Red	158 259	365	8 545		4.32	3.49	395
2003	Switzerland	Braunvieh	147 270						
2003	Switzerland	Braunvieh	147 270	300	6 454	6 535	3.99	3.31	405
2004	Switzerland	Braunvieh	141 881	300	6 532	6 614	3.95	3.31	408

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Switzerland	Eringer	3 890	179	2 146	3 275	3.64	3.46	
2004	Switzerland	Eringer	3 486	185	2 248	3 293	3.75	3.44	
2003	Switzerland	Fleckvieh	160 143	328	7 087	6 693	3.94	3.23	386
2004	Switzerland	Fleckvieh	157 274	329	7 218	6 791	3.91	3.23	387
2003	Switzerland	Hinterwälder	109	297	3 735	3 584	4.12	3.50	
2004	Switzerland	Hinterwälder	107	308	3 794	3 673	4.14	3.50	372
2003	Switzerland	Holstein	45 843	300		7 696	3.94	3.18	402
2004	Switzerland	Holstein	48 060	301		7 808	3.94	3.18	404
2004	Switzerland	Jersey	990	299	4 906	5 004	5.43	3.80	
2003	The Netherlands	B&W	634 745	351	9 143	8 343	4.39	3.48	
2004	The Netherlands	B&W	638 251	351	9 218	8 403	4.37	3.48	
2003	The Netherlands	R&W	166 424	332	7 744	7 358	4.57	3.56	
2004	The Netherlands	R&W	150 360	334	7 909	7 484	4.56	3.56	
2003	UK - England & Wales	Ayrshire	8 310			6 092	4.00	3.33	409
2003	UK - England & Wales	Brown Swiss	1 621			7 191	3.99	3.38	419
2003	UK - England & Wales	Guernsey	7 000			5 269	4.61	3.60	411
2003	UK - England & Wales	Holstein Friesian	642 793			7 856	3.83	3.26	414
2003	UK - England & Wales	Jersey	13 299			5 224	5.30	3.85	400
2003	UK - England & Wales	Meuse Rhine Issel	1 524			5 810	4.03	3.47	397
2003	UK - England & Wales	Shorthorn	3 612			5 999	3.80	3.31	394
2003	UK - England ⁴	Ayrshire	1 015	307	5 930	5 491	3.99	3.36	411
2004	UK - England ⁴	Ayrshire	1 115	305	6 296	5 864	4.03	3.34	416
2003	UK - England ⁴	Brown Swiss	134	308	6 666	5 994	4.12	3.41	420

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	UK – England ⁴	Dairy Shorthorn	254	285	5 306	4 793	3.97	3.32	409
2004	UK - England ⁴	Dairy Shorthorn	273	315	6 398	5 804	3.83	3.36	415
2004	UK - England ⁴	Friesian	1 641	321	6 804	6 214	4.07	3.38	409
2003	UK - England ⁴	Guernsey	154	204	2 671	2 487	4.84	3.56	408
2004	UK - England ⁴	Guernsey	290	332	6 095	5 440	4.86	3.62	431
2003	UK - England ⁴	Holstein Friesian	71 651	334	8 580	7 635	3.97	3.27	417
2004	UK - England ⁴	Holstein	127 675	331	9 025	7 983	3.98	3.25	421
2003	UK - England ⁴	Jersey	1 660	320	5 461	4 954	5.45	3.90	398
2004	UK - England ⁴	Jersey	3 739	317	5 710	5 200	5.46	3.90	398
2003	UK - England ⁴	MRI	77	288	5 329	4 831	4.02	3.37	432
2004	UK - England ⁴	MRI	65	266	5 309	4 837	4.03	3.34	362
2003	UK - Jersey	Jersey	3 062			4 581	5.08	3.85	390
2003	UK - Scotland	Ayrshire	9 474	320	6 715	6 213	4.05	3.36	409
2004	UK - Scotland	Ayrshire	9 704	316	7 023	6 496	4.05	3.37	411
2004	UK - Scotland	British Friesian	899	309	7 025	6 574	4.01	3.39	395
2003	UK - Scotland	Brown Swiss	223	347	6 147	5 345	4.06	3.48	422
2004	UK - Scotland	Brown Swiss	295	325	6 656	5 936	4.04	3.52	431
2004	UK - Scotland	Dairy Shorthorn	138	285	5 468	5 334	3.48	3.44	392
2004	UK - Scotland	Holstein	86 805	333	8 387	7 458	3.85	3.23	417
2003	UK - Scotland	Holstein (UK breed 12)	10 821	340	8 782	7 885	3.88	3.23	418
2003	UK - Scotland	Holstein Freisian	74 031	337	8 053	7 189	3.86	3.23	414
2003	UK - Scotland	Jersey	706	325	5 695	5 961	5.35	3.94	458
2004	UK - Scotland	Jersey	851	310	5 481	4 922	5.35	3.94	448
2003	UK - Scotland	Montbeliarde	48	272	6 577	6 247	3.65	3.28	388
2003	UK - Scotland	Shorthorn	117	303	5 156	4 952	3.82	3.39	421

⁴ Homebred only

Table 4.3 - Main breeds - All recorded cows

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2004	UK - Wales ⁵	Ayrshire	92	309	6 808	6 513	4.03	3.40	409
2004	UK - Wales	Friesian	215	316	6 585	6 091	4.05	3.25	398
2004	UK - Wales	Holstein	15 113	327	8 424	7 493	4.10	3.28	420
2003	UK - Wales	Holstein Friesian	9 045	331	8 053	7 228	4.05	3.29	415
2003	UK – Wale	Jersey	251	314	4 808	4 458	5.55	3.99	384
2004	UK - Wales	Jersey	1 426	214	2 837	2 717	6.47	3.76	359
2003	USA ⁶	Ayrshire	7 518	305	7 016	7 016	3.88	3.17	
2003	USA ⁶	Brown Swiss	15 430	305	8 045	8 045	4.04	3.36	
2003	USA ⁶	Guernsey	10 234	305	6 665	6 665	4.53	3.36	
2003	USA ⁶	Holstein	3 965 426	305	9 830	9 830	3.65	3.05	
2003	USA ⁶	Jersey	179 158	305	7 144	7 144	4.62	3.57	
2003	USA ⁶	Milking Shorthorn	2 593	305	6 444	6 444	3.67	3.12	

⁵ Homebred only

⁶ DHI Herd Averages

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Australia	Australian Reds	488	321	7 385	7 385	4.14	3.51	
2003	Australia	Ayrshire	1 302	320	5 529	5 529	4.21	3.42	
2004	Australia	Ayrshire	979	316	5 626	5 626	4.20	3.39	
2003	Australia	Brown Swiss	413	336	6 331	6 331	3.97	3.58	
2003	Australia	Guernsey	774	329	5 679	5 679	4.35	3.53	
2004	Australia	Guernsey	643	322	5 788	5 788	4.30	3.43	
2003	Australia	Holstein	76 768	335	7 662	7 662	3.79	3.23	
2004	Australia	Holstein	75 902	338	7 800	7 800	3.82	3.21	
2003	Australia	Illawarra	3 109	310	5 950	5 950	4.03	3.50	
2004	Australia	Illawarra	2 990	313	6 014	6 014	4.11	3.45	
2003	Australia	Jersey	15 783	316	5 290	5 290	5.02	3.86	
2004	Australia	Jersey	16 962	318	5 369	5 369	4.95	3.79	
2003	Austria	Braunvieh	53 695	300		6 557	4.14	3.40	
2004	Austria	Braunvieh	52 205	301		6 651	4.16	3.39	
2003	Austria	Fleckvieh	212 525	298		6 202	4.19	3.45	
2004	Austria	Fleckvieh	212 563	299		6 357	4.21	3.44	
2003	Austria	Grauvieh	2 780	294		4 660	3.93	3.24	
2004	Austria	Grauvieh	2 820	295		4 681	3.95	3.24	
2003	Austria	Holstein	24 734	301		7 988	4.15	3.27	
2004	Austria	Holstein	25 771	301		8 082	4.17	3.26	
2003	Austria	Pinzgauer	7 965	297		5 185	3.89	3.26	
2004	Austria	Pinzgauer	7 631	298		5 316	3.92	3.25	

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003 and 2004	Belgium (Wallonia Region) ¹	All breeds							
2003	Czech Republic	F Fleckvieh	157 489	294	5 727	5 899	4.21	3.47	401
2004	Czech Republic	F Fleckvieh	145 108	294	5 861	6 025	4.16	3.42	400
2003	Czech Republic	Holstein	153 876	298	7 402	7 624	3.98	3.31	416
2004	Czech Republic	Holstein	152 312	298	7 670	7 805	3.93	3.26	419
2003	Denmark	Ayrshire	370		8 198		4.33	3.56	
2004	Denmark	Ayrshire	175		8 141		4.41	3.50	
2003	Denmark	Danish Holstein	390 509		8 694		4.12	3.37	
2004	Denmark	Danish Holstein	375 305		8 900		4.12	3.38	
2003	Denmark	Jersey	65 832		6 004		5.96	4.08	
2004	Denmark	Jersey	61 910		6 185		5.95	4.09	
2003	Denmark	Red Danish	47 634		7 847		4.24	3.57	
2004	Denmark	Red Danish	44 461		8 119		4.25	3.55	
2003	Denmark	Red holstein	5 327		7 641		4.32	3.47	
2004	Denmark	Red Holstein	5 285		7 820		4.37	3.49	
2003	Egypt	Buffalo	3 300	310	1 900	1 880	8.00	n.a.	420
2003	Egypt	Holstein	4 150	350	8 100	7 190	n.a.	n.a.	460
2003	Estonia	Estonian Holstein	40 360	343	6 611	3 359	4.21	3.25	411
2004	Estonia	Estonian Holstein	39 924	342	6 962	6 844	4.19	3.27	419
2003	Estonia	Estonian Red	16 736	334	5 424	5 466	4.43	3.35	402
2004	Estonia	Estonian Red	16 609	330	5 786	5 608	4.36	3.37	406

¹ All cows in milk recording = all cows in herdbook.

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2004	Finland	Finnish Ayrshire	25 524	305		9 177	4.26	3.40	
2004	Finland	Finnish Cattle	800	305		6 567	4.33	3.48	
2004	Finland	Holstein-Friesian	11 330	305		10 035	3.86	3.33	
2003	Finland ²								
2004	Finland	Jersey	2	305		6 077	5.64	3.96	
2003	Germany	Braunvieh	156 009	319	6 850	6 737	4.19	3.56	410
2004	Germany	Braunvieh	154 154	319	6 960	6 853	4.19	3.57	410
2003	Germany	Fleckvieh	636 451	316	6 586	6 388	4.12	3.50	392
2004	Germany	Fleckvieh	636 236	316	6 643	6 489	4.14	3.51	392
2003	Germany	Gelbvieh	5 946	315	5 600	5 563	4.13	3.49	398
2004	Germany	Gelbvieh	5 295	315	5 478	5 531	4.16	3.51	402
2003	Germany	Holstein - Rotbunt	153 465	321	7 589	7 532	4.18	3.36	396
2004	Germany	Holstein - Rotbunt	151 206	320	7 622	7 594	4.19	3.36	398
2003	Germany	Holstein - Schwarzbunt	1 492 045	322	8 210	8 131	4.09	3.37	401
2004	Germany	Holstein - Schwarzbunt	1 515 615	321	8 222	8 212	4.10	3.38	400
2003	Hungary	Hungarian Holstein Friesian	161 572	298	7 762		3.81	3.26	430
2004	Hungary	Hungarian Holstein Friesian	149 314	298	7 885		3.73	3.20	435
2003	Hungary	Hungarian Red Spotted	5 035	292	4 973		4.07	3.43	408
2004	Hungary	Hungarian Red Spotted	4 370	293	5 023		3.99	3.38	408

² The National Organisation cannot get data before year 2003 (due to an old database)

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2004	Italy ³	Castana	4 493	305	2 785	2 785	3.43	3.37	
2003	Italy ⁴	Grey of Alps (Grigio Alpina, Grauvieh)	6 096	305	4 703	4 703	3.75	3.38	
2004	Italy ³	Grey of Alps (Grigio Alpina; Grauvieh)	5 841	305	4 804	4 804	3.79	3.39	
2003	Italy ⁴	Italian Brown (Bruna Italiana)	85 347	305	6 359	6 359	3.89	3.46	
2004	Italy ³	Italian Brown (Bruna Italiana)	81 289	305	6 509	6 509	3.92	3.46	
2003	Italy ⁴	Italian Friesian (Frisona Italiana)	693 814	305	8 624	8 624	3.55	3.25	
2004	Italy ³	Italian Friesian (Frisona Italiana)	691 159	305	8 634	8 634	3.59	3.25	
2003	Italy ⁴	Italian Red Spotted (Pezzata Rossa Italiana)	31 744	305	6 043	6 043	3.87	3.42	
2004	Italy ³	Italian Red Spotted (Pezzata Rossa Italiana)	32 015	305	6 182	6 182	3.91	3.42	
2003	Italy ⁴	Jersey	3 966	305	5 549	5 549	5.31	3.99	
2004	Italy ³	Jersey	3 907	305	5 610	5 610	5.32	3.97	
2003	Italy ⁴	Modicana	2 260	305	3 261	3 261	3.50	3.48	

³ Period oct 1st,2003-sep 30th, 2004.Closed lactations having length greater than 200 d; conventional 305 d yields

⁴ Period oct 1st,2002-sep 30th, 2003.Closed lactations having length greater than 200 d; conventional 305 d yields

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Italy ⁴	Valdostana Red Spotted (Valdostana Pezzata Rossa)	11 866	305	3 610	3 610	3.50	3.27	
2004	Italy ³	Valdostana Red Spotted (Valdostana Pezzata Rossa)	11 261	305	3 670	3 670	3.50	3.25	
2003	Japan	Holstein	292 857	358	10 010	9 198	4.01	3.30	431
2004	Japan	Holstein	269 595	363	10 327	9 381	4.01	3.30	435
2003	Japan	Jersey	1 724	337	6 169	5 942	4.94	3.88	408
2004	Japan	Jersey	1 741	336	6 184	6 005	4.91	3.86	400
2004	Latvia	Holstein	1 026	349		7 312	4.27	3.18	414
2003	Latvia	Holstein Black&White	1 246			6 390	4.29	3.13	
2003	Latvia	Latvia Brown	2 044			4 911	4.57	3.26	
2004	Latvia	Latvian Brown	2 196	341		5 849	4.62	3.32	408
2003	Luxembourg	Fleckvieh	168		6 419		4.21	3.46	375
2004	Luxembourg	Fleckvieh	198		6 264		4.25	3.46	387
2003	Luxembourg	Holstein-Rotbunt	4 291		7 061		4.39	3.46	391
2004	Luxembourg	Holstein-Rotbunt	3 545		7 407		4.35	3.48	394
2003	Luxembourg	Holstein-Schwarzbunt	13 573		7 880		4.18	3.39	402
2004	Luxembourg	Holstein-Schwarzbunt	13 371		7 946		4.20	3.42	402
2003	Luxembourg	Jersey	40		5 246		5.93	3.98	389
2004	Luxembourg	Jersey	32		5 419		5.57	4.00	413
2003	México	Holstein	43 785	365	8 288	n.a.	3.45	3.16	428
2004	México	Holstein	39 578	365	8 268	9 698	3.46	3.13	444

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	New Zealand	Ayrshire	16 376	243	4 221	4 985	4.24	3.46	n.a.
2004	New Zealand	Ayrshire	15 454	236	4 149	5 001	4.24	3.47	n.a.
2003	New Zealand	Friesian	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2004	New Zealand	Friesian	57 366	252	5 438	6 256	4.00	3.30	n.a.
2003	New Zealand	Jersey	72 015	237	3 320	3 991	5.56	3.95	n.a.
2004	New Zealand	Jersey	67 747	237	3 282	3 945	5.55	3.97	n.a.
2003-2004	Norway ⁵								
2003	Poland	Black & White	202 697	305	6 111	6 111	4.19	3.25	
2004	Poland	Black & White	338 686	305	6 079	6 079	4.18	3.27	
2003	Poland	Red & White	8 041	305	5 984	5 984	4.23	3.25	
2004	Poland	Red & White	13 148	305	5 873	5 873	4.23	3.30	
2003	Poland	Simmentaler	1 703	305	4 277	4 277	4.05	3.31	
2004	Poland	Simmentaler	2 962	305	4 274	4 274	4.02	3.34	
2004	Portugal	Holstein Frisia	48 369	364	9 854	8 474	3.63	3.26	
2003	Portugal	Holstein Frisia	41 776	358	9 496	8 263	3.65	3.22	
2003	Slovak Republic	Holstein	17 323	297	7 103	7 246	3.92	3.29	416
2004	Slovak Republic	Holstein	7 559	298	7 841	7 978	3.82	3.20	436
2003	Slovak Republic	Slovak Pinzgauer	4 724	289	3 683	3 834	3.93	3.34	407
2004	Slovak Republic	Slovak Pinzgauer	2 211	287	3 776	3 951	3.98	3.28	413
2001	Slovak Republic	Slovak Simmental	41 615	291	4 247	4 399	4.15	3.32	408
2003	Slovak Republic	Slovak Simmental	28 097	293	4 616	4 757	4.03	3.33	405
2004	Slovak Republic	Slovak Simmental	3 262	295	5 372	5 508	4.17	3.31	412

⁵ The National Member does not have any statistics for Cows in Herdbook. The Herdbook is incorporated with cows in milkrecording

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Slovenia	Black & White	22 014	361	7 711	6 858	4.09	3.26	435
2003	Slovenia	Brown	13 574	353	5 793	5 181	4.16	3.37	425
2004	Slovenia	Brown	14 422	352	5 869	5 290	4.16	3.37	428
2004	Slovenia	Holstein	26 275	367	7 918	6 976	4.11	3.27	443
2003	Slovenia	Simmental	27 130	346	5 261	4 772	4.23	3.38	420
2004	Slovenia	Simmental	32 262	346	5 412	4 920	4.26	3.38	422
2003	South Africa	Ayrshire	3 764			6 371	3.97	3.26	
2004	South Africa	Ayrshire	4 861	277	6 320	6 320	4.03	3.30	414
2004	South Africa	Guernsey	588	299	6 054	6 054	4.00		
2004	South Africa	Guernsey	588	299	6 054	6 054	4.37	3.47	415
2003	South Africa	Holstein	35 399			8 388	3.74	3.18	
2004	South Africa	Holstein	39 093	308	8 676	8 676	3.79	3.19	425
2003	South Africa	Jersey	30 069			5 262	4.67	3.69	
2004	South Africa	Jersey	35 701	303	5 455	5 455	4.72	3.71	401
2003	Spain	Frisona	338 369	339	9 371	8 498	3.64	3.13	380
2004	Spain	Frisona	339 409	345	9 549	8 557	3.66	3.15	380
2003	Spain	Parda Alpina	1 639	294	6 601	6 492	3.88	3.50	402
2004	Spain	Parda Alpina	1 571	296	6 628	6 503	3.79	3.53	402
2003	Sweden ⁶								
2003	Switzerland	Braunvieh	147 270	300	6 454	6 535	3.99	3.31	405
2004	Switzerland	Braunvieh	141 881	300	6 532	6 614	3.95	3.31	408
2003	Switzerland	Eringer	3 890	179	2 146	3 275	3.64	3.46	
2004	Switzerland	Eringer	3 486	185	2 248	3 293	3.75	3.44	
2003	Switzerland	Fleckvieh	160 143	328	7 087	6 693	3.94	3.23	386
2004	Switzerland	Fleckvieh	157 274	329	7 218	6 791	3.91	3.23	387

⁶ The National Member does not have any special statistics for Cows in Herdbook. The herdbook is incorporated with cows in milk recording

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	Switzerland	Hinterwälder	109	297	3 735	3 584	4.12	3.50	
2004	Switzerland	Hinterwälder	107	308	3 794	3 673	4.14	3.50	372
2003	Switzerland	Holstein	45 843	300		7 696	3.94	3.18	402
2004	Switzerland	Holstein	48 060	301		708	3.94	3.18	404
2004	Switzerland	Jersey	990	299	4 906	5 004	5.43	3.80	
2003	The Netherlands	B&W	634 745	351	9 143	8 343	4.39	3.48	
2004	The Netherlands	B&W	638 251	351	9 218	8 403	4.37	3.48	
2003	The Netherlands	R&W	166 424	332	7 744	7 358	4.57	3.56	
2004	The Netherlands	R&W	150 360	334	7 909	7 484	4.56	3.56	
2003	Turkey	BS	4 250	325,6	5 215	4 825	3.57		391
2003	Turkey	HF	67 936	339	6 424	5 751	3.38		400
2003	Turkey	SM	1 473	336	4 802	4 330			405
2003	UK - England ⁷	Ayrshire	700	311	6 363	5 935	3.96	3.35	406
2004	UK – England ⁷	Ayrshire	877	299	6 518	6 095	4.04	3.33	410
2004	UK – England ⁷	Friesian	1 594	321	6 808	6 219	4.06	3.38	409
2004	UK – England ⁷	Guernsey	259	329	6 133	5 507	4.86	3.62	430
2004	UK – England ⁷	Holstein	108 237	331	9 184	8 118	3.98	3.24	422
2003	UK – England ⁷	Holstein Friesian	59 222	335	8 757	7 787	3.97	3.26	418
2003	UK – England ⁷	Jersey	1 411	322	5 474	4 952	5.44	3.91	400
2004	UK – England ⁷	Jersey	3 523	318	5 740	5 229	5.46	3.90	398
2003	UK - England & Wales ⁷	Ayrshire	5 350			6 275	3.97	3.32	409
2003	UK - England & Wales ⁷	Brown Swiss	604			7 828	3.99	3.38	425

⁷ Homebred only

Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2003	UK - England & Wales ⁷	Guernsey	4 877			5 407	4.61	3.60	413
2003	UK - England & Wales ⁷	Holstein Friesian	301 276			8 279	3.81	3.23	416
2003	UK - England & Wales ⁷	Jersey	10 302			5 364	5.34	3.86	398
2003	UK - England & Wales ⁷	Meuse-Rhine-Issel	332			5 924	4.04	3.51	406
2003	UK - England & Wales ⁷	Montbeliarde	212			6 619	3.74	3.36	396
2003	UK - England & Wales ⁷	Shorthorn	2 511			6 145	3.80	3.31	396
2003	UK - Jersey	Jersey	3 062			4 581	5.08	3.85	390
2003	UK - Scotland	Ayrshire	4 087	316	6 669	6 210	4.02	3.35	411
2004	UK - Scotland	Ayrshire	6 810	318	7 249	6 701	4.07	3.37	415
2004	UK - Scotland	Friesian	867	310	7 039	6 587	4.01	3.40	396
2004	UK - Scotland	Holstein	49 661	337	8 986	7 937	3.88	3.25	424
2003	UK - Scotland	Holstein (UK breed 12)	3 430	348	9 505	8 412	3.82	3.21	429
2004	UK - Scotland	Holstein (UK breed 12)	3 117	342	9 947	8 788	3.86	3.21	438
2003	UK - Scotland	Holstein Friesian	41 156	342	8 651	7 684	3.88	3.25	421
2003	UK - Scotland	Jersey	629	328	5 801	5 121	5.40	3.96	461
2004	UK - Scotland	Jersey	751	313	5 487	4 897	5.41	3.96	455
2003	UK - Scotland	Montbeliarde	14	257	6 777	6 484	3.55	3.29	378
2004	UK - Wales ⁸	Ayrshire	73	313	7 186	6 898	4.03	3.40	410
2004	UK - Wales ⁸	Friesian	214	316	6 576	6 086	4.05	3.25	398
2004	UK - Wales ⁸	Holstein	13 453	328	8 577	7 623	4.12	3.27	421
2003	UK - Wales ⁸	Holstein Friesian	9 045	331	8 053	7 228	4.05	3.29	415

⁸ Homebred only



Table 4.4 - Main breeds - Cows in herdbook

Year	Country	Breed	Number of lactations	Length of the lactations (days)	Milk yield per recorded cow (kg)	Milk per cow in 305 days (kg)	Percent of fat content (%)	Percent of protein content (%)	Calving interval (days)
2004	UK - Wales ⁹	Jersey	521	279	4 262	3 978	5.74	3.85	390
2003	UK – Wales ⁹	Jersey	251	314	4 808	4 458	5.55	3.99	384
2003	USA ⁹	Brown Swiss	7 727	305		8 310	4.08	3.33	

⁹ BSCBA