



**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) <sup>1</sup>	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

<sup>1</sup> 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 <sup>2</sup>								
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

<sup>2</sup> 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 <sup>3</sup>	Castana	4 493	305	2 785	2 785	3.43	3.37	
2003	Italy <sup>4</sup>	Grey of Alps (Grigio Alpina, Grauvieh)	6 096	305	4 703	4 703	3.75	3.38	
2004	Italy <sup>3</sup>	Grey of Alps (Grigio Alpina; Grauvieh)	5 841	305	4 804	4 804	3.79	3.39	
2003	Italy <sup>4</sup>	Italian Brown (Bruna Italiana)	85 347	305	6 359	6 359	3.89	3.46	
2004	Italy <sup>3</sup>	Italian Brown (Bruna Italiana)	81 289	305	6 509	6 509	3.92	3.46	
2003	Italy <sup>4</sup>	Italian Friesian (Frisona Italiana)	693 814	305	8 624	8 624	3.55	3.25	
2004	Italy <sup>3</sup>	Italian Friesian (Frisona Italiana)	691 159	305	8 634	8 634	3.59	3.25	
2003	Italy <sup>4</sup>	Italian Red Spotted (Pezzata Rossa Italiana)	31 744	305	6 043	6 043	3.87	3.42	
2004	Italy <sup>3</sup>	Italian Red Spotted (Pezzata Rossa Italiana)	32 015	305	6 182	6 182	3.91	3.42	
2003	Italy <sup>4</sup>	Jersey	3 966	305	5 549	5 549	5.31	3.99	
2004	Italy <sup>3</sup>	Jersey	3 907	305	5 610	5 610	5.32	3.97	
2003	Italy <sup>4</sup>	Modicana	2 260	305	3 261	3 261	3.50	3.48	

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

<sup>4</sup> 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 <sup>4</sup>	Valdostana Red Spotted (Valdostana Pezzata Rossa)	11 866	305	3 610	3 610	3.50	3.27	
2004	Italy <sup>3</sup>	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	Frieisian	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2004	New Zealand	Frieisian	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 <sup>5</sup>								
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

<sup>5</sup> 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 <sup>6</sup>								
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

<sup>6</sup> 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 <sup>7</sup>	Ayrshire	700	311	6 363	5 935	3.96	3.35	406
2004	UK – England <sup>7</sup>	Ayrshire	877	299	6 518	6 095	4.04	3.33	410
2004	UK – England <sup>7</sup>	Friesian	1 594	321	6 808	6 219	4.06	3.38	409
2004	UK – England <sup>7</sup>	Guernsey	259	329	6 133	5 507	4.86	3.62	430
2004	UK – England <sup>7</sup>	Holstein	108 237	331	9 184	8 118	3.98	3.24	422
2003	UK – England <sup>7</sup>	Holstein Friesian	59 222	335	8 757	7 787	3.97	3.26	418
2003	UK – England <sup>7</sup>	Jersey	1 411	322	5 474	4 952	5.44	3.91	400
2004	UK – England <sup>7</sup>	Jersey	3 523	318	5 740	5 229	5.46	3.90	398
2003	UK - England & Wales <sup>7</sup>	Ayrshire	5 350			6 275	3.97	3.32	409
2003	UK - England & Wales <sup>7</sup>	Brown Swiss	604			7 828	3.99	3.38	425

<sup>7</sup> 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 <sup>7</sup>	Guernsey	4 877			5 407	4.61	3.60	413
2003	UK - England & Wales <sup>7</sup>	Holstein Friesian	301 276			8 279	3.81	3.23	416
2003	UK - England & Wales <sup>7</sup>	Jersey	10 302			5 364	5.34	3.86	398
2003	UK - England & Wales <sup>7</sup>	Meuse-Rhine-Issel	332			5 924	4.04	3.51	406
2003	UK - England & Wales <sup>7</sup>	Montbeliarde	212			6 619	3.74	3.36	396
2003	UK - England & Wales <sup>7</sup>	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 <sup>8</sup>	Ayrshire	73	313	7 186	6 898	4.03	3.40	410
2004	UK - Wales <sup>8</sup>	Friesian	214	316	6 576	6 086	4.05	3.25	398
2004	UK - Wales <sup>8</sup>	Holstein	13 453	328	8 577	7 623	4.12	3.27	421
2003	UK - Wales <sup>8</sup>	Holstein Friesian	9 045	331	8 053	7 228	4.05	3.29	415

<sup>8</sup> 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 <sup>9</sup>	Jersey	521	279	4 262	3 978	5.74	3.85	390
2003	UK - Wales <sup>9</sup>	Jersey	251	314	4 808	4 458	5.55	3.99	384
2003	USA <sup>9</sup>	Brown Swiss	7 727	305		8 310	4.08	3.33	

<sup>9</sup> BSCBA