

1 Milk Production

YEAR 2001

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)	Fat production per cow per year (%)	Protein production per cow per year (%)
2001	Austria	597981	60200	9.9	5394	4.13	3.37
2001	Belgium (Flemish Region)	329728	10353	32	5815	4.33	
2001	Belgium (Wallonia Region)	26642	7401 (15/05/2001)	36.0 (15/05/2001)	4804	40.97	33.86
2001	Canada	1083900	19411	55.8	7087	3.72	3.24
2001	Croatia	219782	51665	4.25	2887	3.86	3.33
2001	Czech Rep.	483500			5756	4.03	3.35
2001	Denmark	627000	9000	69	7200	4.32	3.57
2001	Estonia	131000	10372	12.6	5152		
2001	Finland	353717	20742	17.1	7303	4.23	3.35
2001	France	4412000	155000	28.5	5639	4.22	3.44
2001	Germany	44749	131800	34.3	6213	4.23	3.42
2001	Greece	22151	180002	8.12	3450	3.64	3.09
2001	Hungary	359000	39000	9.2	5570		
2001	India	52530000			635		
2001	Ireland	1233100	27500	44.8	4204	3.74	3.28
2001	Israel	115133	1250	92	10519	3.37	3.09
2001	Italy	2154000			4645	3.27	
2001	Japan	1126000	30100	37.4	7388	3.92	3.24
2001	Korea	312393	12827	24.4	6749		
2001	Latvia	209100	77174	2.7	4055	4.07	3.17
2001	Lithuania	461814	222883	2.1	3903	3.98	
2001	Luxembourg	42854	1119	38.3	6293	4.17	
2001	México	6800000	na	n.a	139298	n.a.	n.a.
2001	New Zealand	3692703	13649	271	3796	4.61	3.47
2001	North Ireland	294000	4583	64	6127	3.96	3.24
2001	Norway	299000	20500	14.6	6078	4.17	3.27
2001	Poland	3005300			3828	3.905	3.183
2001	Scotland	82119	611	134	6878	3.94	3.26
2001	Slovak Rep.	271147	1530	177	4337	3.71	3.16
2001	Slovenia	133474	20362	6.56	4345	4.11	3.28
2001	South Africa	532000	5347	60	3840	4.12	3.50
2001	Spain	1370422	46000	29	5216	3.74	3.11
2001	Sweden	418471	11299	36.7	7863	4.2	3.28
2001	Switzerland	720034	46862	15.4	5540	3.96	3.26
2001	The Netherlands	1545823	27926	55	7096	4.43	3.46
2001	Tunisia	210650			3440		
2001	England	40454	359	112	7069	4.02	3.26
2001	Wales	5391	63	85	6700	4.06	3.31
2001	UK (England & Wales)	1760000	20191	87	6048	4.00	3.29
2001	UK (Jersey)	4475	45	99	4663	5.10	3.73
2001	USA	9103000			8238	3.67	

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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)	Fat production per cow per year (%)	Protein production per cow per year (%)
2002	Argentina	1755000	15000	117	4650		
July 2002 - June 2003	Australia	2095000	10654	196.6	4968	4.06	3.22
2002	Austria	588971	57500	10.2	5487	4.14	3.38
2002	Belgium (Flemish Region)	319074	9874	32			
2002	Belgium (Wallonia Region)	257559	7095 (15/05/2002)	36.3 (15/05/2002)	5127	41.12	33.93
2002	Canada	1075300	18673	57.6	7233	3.72	3.25
2002	Croatia	224078	49226	4.55	3012	3.92	3.37
2002	Czech Rep.	477000			5890	3.98	3.34
2002	Denmark	605000	8100	74	7300	4.29	3.45
2002	Estonia	129300	10911	11.9	5138		
2002	Finland	346354	19416	17.8	7445	4.22	3.39
2002	France	4191000	159000	26.4	6005	4.20	3.46
2002	Germany	43734	128900	33.9	6272	4.20	3.42
2002	Greece	172315	20612	8.35	3610	3.61	3.04
2002	Hungary	362000	37000	9.8	5722		
2002	India	51920000			665		
2002	Ireland	1149480	26500	43.4			
2002	Israel	114000	1200	95	10440	3.41	3.13
2002	Italy	1911000			5225	3.28	
2002	Japan	1121000	29000	38.7	7459	3.94	3.26
2002	Korea	304681	11716	26.0	7017		
2002	Latvia	204600	71269	2.9	3958	4.08	3.13
2002	Lithuania	495947	219204	2.3	4003	3.99	3.53
2002	Luxembourg	42076	1071	39.3	6433	4.18	
2002	México	6800000	na	n.a	142034	n.a.	n.a.
2002	New Zealand	3740637	13140	285	3832 ¹	4.67	3.55
2002	North Ireland	295000	4492	66	6200	3.90	3.20
2002	Norway	286000	18775	15.2	6190	4.14	3.27
2002	Poland	2873200	875400	3.3	3902	3.904	3.190
2002	Scotland	88753	648	136	6906	3.92	3.24
2002	Slovak Rep.	272619	1395	195	4654	3.73	3.17
2002	Slovenia	113599	12589	9.02	4565	4.13	3.30
2002	South Africa	540000	5 263	59	3703	4.30	3.45
2002	Spain	1362127	45623	29.8	5244	3.74	3.11
2002	Sweden	417000	10557	39.5	7737	4.17	3.32
2002	Switzerland	716027	45559	15.7	5570	3.99	3.26

¹ Milk delivered to dairies - does not include milk used for calves

1 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)	Fat production per cow per year (%)	Protein production per cow per year (%)
2002	The Netherlands	1485531	26296	56	7187	4.44	3.48
2002	Tunisia	211750			3500		
2002	England	57419	491	116	7530	4.01	3.28
2002	Wales	8071	95	84	7009	4.11	3.31
2002	UK (England & Wales)	1730000	18586	93	6450	3.97	3.30
2002	UK (Jersey)	3931	45	87	4550	5.22	3.75
2002	USA	9139000	74110 ²		8440	3.68	
2002	Zimbabwe	37060	324	114	3836	3.72	3.21

² Licensed dairies

2 Position of milk recording

YEAR 2001

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
2001	Austria	387258	64.2	29179	48.5	13.3				100		
2001	Belgium (Flemish Region)	164049		3659		44.8		86.9		13.1		
2001	Belgium (Wallonia Region)	73475	27.58	1539	20.79	47.74	0	89.02	10.98	0	0	
2001	Canada	732261	67.6	13127	67.6	55.8						
2001	Croatia	42092	19.15	5296	10.25	12.58				83.64		B4 16.36
2001	Czech Rep.	471370	97.5	3788		124		98.2		1.8		
2001	Denmark	559383	92	7650	81	73	0	10	0	0	90	
2001	England	40454		359		113		42	15		19	
2001	Estonia	102524	78.3	3211	31.0	31.9					100	
2001	Finland	269450	76.2	14353	69.2	18.8	-	0.0	-	-	97.0	C4 - 3.0
2001	France	2857527	65%	70665	45%	40.4		91		9		
2001	Germany	3663798	80.6	81091	61.6	45.2		48.4		18.2	AM 10.1 B4 13.4 BT 3.8 BM 6.2	AM 10.1
2001	Greece	66548	29.12	1386	6.25	48.01		6.25				
2001	Hungary	258198	71.9	872	2.2	296		100				
2001	India	2554						100				
2001	Ireland	336868	27.3%	6140	22.3%	54.9	0	58.1	33.6	0	0	A8 - 8.3%
2001	Israel	104660	91	926	74	113		65			35	
2001	Italy ¹	1290423	59.9	24976		51.6		(*A4+A6=82.20); (**A4+A6=75.84)		(*AT=17.80); (**AT=24.16)		
2001	Japan	537259	47.7	11367	37.8	47.3		94.0		5.2	0.9	B=B4
2001	Korea	131388	42.1	3721	29.0	35.3		100				
2001	Latvia	75757	36.2	5128	6.6	14.8						
2001	Lithuania	93781	20.3	11535	5.2	8.1		16.1		83.9		
2001	Luxembourg	20681	48.3	456	40.7	45.4		75.7		24.3		
2001	México	43685	1.93	175	n.a.	332.3	0	95	5	0	0	
2001	New Zealand	2974000	80.5	11113	81.4	268	null	null	null	C= 27%	73	

¹ All cows recorded in the period oct 1st,2000-sep 30th, 2001.; * =Number of lactations by method; **=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

2 Position of milk recording

2001	North Ireland	103000	35	1085	23	95						
2001	Norway	266000	95.4	18125	91.9	14.7					100	
2001	Poland	419097 (average)	13.9	23059		18.2						% of recorded cows per method: A4 - 43, AT4 - 23, A8 - 34
2001	Portugal	105000		2354		44.6		36.7		63.3		
2001	Slovak Rep.	196478	72.46	1109	72.48	177.2		15.66		84.34		
2001	Slovenia	74000	55.4	6127	30.1	12.1		100				
2001	South Africa	117321	22	1489	28	78					100	
2001	Spain	545899	40.13	10330	22.54	52		81		19		
2001	Sweden	360362	86.1	8538	75.5	40.8					B4:100	
2001	Switzerland	470716	100	29988	100	12	0	100	0	0	0	
2001	The Netherlands	1316184	82.1	21523	75.7	61.2	5	64	31			
2001	Tunisia	18395	8.7	162		114			100			
2001	Turkey	44470	5.2	8422	0.4	5.3	0	0	0	0	100	
2001	UK (England & Wales)	905000	51	8658	43	105	0.05	81	2.0	18	12	5
2001	UK (Jersey)	4475	100	45	100	99	0	100	0	0	0	
2001	USA	4282206		31196		137		20.6		61.7	17.7	DHI Participation
2001	Wales	5391		63		85		52	16		29	

2 Position of milk recording

YEAR 2002

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
2002	Argentina	345000	19	1813	13	190		89	10			C6: 1%
July 2002 - June 2003	Australia	1177899	55%	6358	59%	185					B4 = 22% B6 = 36%, B8 = 33%	C4 = 2% C6 = 5% C8 = 2%
2002	Austria	379177	64.4	27856	48.4	13.6				100		
2002	Belgium (Flemish Region)	162418		3667		44.3		84.4		15.6		
2002	Belgium (Wallonia Region)	72038	27.97	1516	21.38	47.52	0	88.52	11.48	0	0	
2002	Canada	727069	67.6	12672	67.9	57.4						
2002	Croatia	43360	19.35	5085	10.32	11.73				84.84		B4 15.16
2002	Czech	460948	96.6	3715		124		98.7		1.3		
2002	Denmark	548025	92	7000	86	78	0	10	0	0	90	
2002	England	57419		491		117		45	19		30	
2002	Estonia	102621	79.4	3023	27.7	33.9					100	
2002	Finland	265547	76.7	13593	70.0	19.5	-	0.0	-	-	97.2	C4 - 2.8
2002	France	2835917	67%	68996	43.4	41.1		90.6		9.4		
2002	Germany	3587992	81.1	79025	62.8	45.4		46.0		19.0	12.8	AM 10.1 BT 4.3 BM 7.8
2002	Greece	26651	12.37	622	3.01	42.84		3.01				
2002	Hungary	244478	69.5	832	2.1	294		100				
2002	Ireland	375693	32.6%	6695	25.2%	56.1	0	53.0	37.6			A8 - 9.4%
2002	Israel	103801	91	864	72	120		62			38	
2002	Italy ²	1340508	70.15	24429		54.8		(*A4+A6=80.82); (**A4+A6=75.17);		(*AT=19.18); (**AT=24.83)		
2002	Japan	547114	48.8	11223	38.7	48.7		89.7		9.4	0.9	B=B4
2002	Korea	132523	43.5	4220	36.0	31.4		100				
2002	Latvia	76513	37.4	5514	7.7	13.9						
2002	Lithuania	133641	26.9	16304	7.4	8.2		17.4		82.6		
2002	Luxembourg	20532	48.8	442	41.3	46.5		65.3		34.7		
2002	México	40967	1.81	151	n.a.	316.3	0	95	5	0	0	

² All cows recorded in the period October 1st, 2001 to Sept. 30th, 2002.; * =Number of lactations by method; **=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

2 Position of milk recording

2002	New Zealand	2855000	76.3	10113	77.0	282	null	null	null	C = 28%	72	
2002	North Ireland	105000	37%	1071	25	96		84	16			
2002	Norway	261000	95.9	17137	96.5	15.2					100	
2002	Poland	448051	15.6	22182	2.5	20.2		27		21 (AT4)		% of recorded herds per method A8 - 52
2002	Portugal	109810		2320		47.33		36.1		63.9		
2002	Slovak	198393	72.77	1015	72.76	195.0		18.31		81.69		
2002	Slovenia	76552	67.4	5578	44.3	13.7		100				
2002	South Africa	113652	21	1374	26	83					100	
2002	Spain	542567	39.82	10167	22.28	53.36		76		24		
2002	Sweden	354800	85.1	8006	75.8	42.8					B4:100	
2002	Switzerland	465914	100	29333	100	10.6	0	100	0	0	0	
2002	The Netherlands	1248242	84	20538		60.8	4	64	32			
2002	Tunisia	17569	8.3	160		110			100			
2002	Turkey	83616	9.8	12603	0.5	6.6	0	0	0	0	100	
2002	UK (England & Wales)	901900	52	7625	41	118	0.03	81	2	21	12	4
2002	UK (Jersey)	3931	100	45	100	87	0	100	0	0	0	
2002	USA	4226692		29466		143		19.9		62.8	17.3	DHI Participation
2002	Wales	8071		95		84		43	13		26	
2002	Zimbabwe	8605	23.22	63	19.4	137		76.2				23.8

3 Costs and Financing

YEAR 2001

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
2001	Austria			138				48.4		
2001	Belgium (Wallonia Region)	113 liters	99 liters	not used	not used	71	72	not used	not used	
2001	Canada	\$4.80/cow/test, \$52.80/cow/year, 24 Hour: \$3.35/cow/test, \$36.85/cow/year. AM-PM	\$ 4.80/cow/test, \$38.40/cow/year, 24 Hour: \$3.35/cow/test, \$26.80/cow/year, AM-PM		\$1.90/cow/test, \$ 20.90/cow/year	88%	88%		88%	
2001	Croatia			50	B4 50			50	B4 50	
2001	Czech Rep.	36.9		30.1		69		100		
2001	Denmark	65	-	-	51	100	-	-	100	
2001	Estonia				33.1				62.0	
2001	Finland				127				63.8	The price of milk recording includes nutritional and economical advisory services
2001	France	133.6 kg		106.6 kg		100%		100%		
2001	Germany	47.02		38.21 AM 38.21	40.02 BT 30.21 BM 29.48	26.6 - 39.2		23.5 - 34.9	13.9 - 32.1	AM 23.6 - 33.3 BT 13.0 - 31.6 BM 13.3 - 32.2
2001	Greece	75.8				0.0				
2001	Hungary	31.6				100				
2001	Ireland	15.3	12.8			100%	100%			A8 - 10
2001	Israel	30			30	100			100	
2001	Italy	87.54	70.03	65.66		28.16%	28.16%	28.16%		
2001	Japan	65.8				55.2				
2001	Latvia	0.092	-	-	0.092	100	-	-	100	
2001	Lithuania	25		20		6.1		7.5		
2001	México	58	n.a.	n.a.	n.a.	100	n.a.	n.a.	n.a.	n.a.

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
2001	New Zealand				14.26				NZ has no subsidies 100% cost price paid by producer	
2001	North Ireland	60 Lts	60 Lts			100%	100%			
2001	Norway				52				100	
2001	Poland	105.4		94.9		49		43		Cost price of milk recording per cow and per year method A8 79.5 litres of milk; Part of the cost price paid by the producer % method A8 - 32
2001	Slovak Rep.	44.74		34.05		71		71		
2001	Slovenia	192				10				
2001	South Africa				41 litres = R61.50	37.5%				
2001	Spain	57.8		57.9		61		61		
2001	Sweden				B4: 63 liters of milk				100	
2001	Switzerland	57.14	0	0	0	40.7	0	0	0	
2001	The Netherlands					100%	100%	100%	100%	
2001	Tunisia		110				Zero			
2001	Turkey	0	0	0	23.2 Euro	0	0	0	100	
2001	UK (England & Wales)					100	100	100	100	
2001	UK (Jersey)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2001 - 2004	USA					100		100	100	www.dhia.org

3 Costs and Financing

YEAR 2002

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
2002	Argentina					100	100			C: 100
July 2002 - June 2003	Australia				B4 = 44L, B6 = 32L, B8 = 28L				100% for all recording methods	C4 = 60L, C6 = 44L, C8 = 36L, Part of cost paid by producer = 100%
2002	Austria			137				47.9		
2002	Belgium (Wallonia Region)	122	107	not used	not used	70	71	not used	not used	
2002	Canada	\$4.80/cow/test, \$ 52.80/cow/year, 24 Hour: \$3.35/cow/test, \$36.85/cow/year, AM-PM	\$4.80/cow/test, \$38.40/cow/year, 24 Hour: \$3.35/cow/test, \$ 26.80/cow/year, AM-PM		\$1.90/cow/test, \$20.90/cow/year, Unsupervised	88%	88%		88%	
2002	Croatia			50	B4 50			50	B4 50	
2002	Czech	35.6		29.4		74		100		
2002	Denmark	65	-	-	44	100	-	-	100	
2002	Estonia				43.9				54.0	
2002	Finland				133				65.6	The price of milk recording includes nutritional and economical advisory services
2002	France	136.3 kg		108.7 kg		100%		100%		
2002	Germany	48.72		39.98 AM 39.98	41.72 BT 31.12 BM 30.46	27.8 - 42.7		21.36 - 36.2 AM 23.1 - 35.6	14.6 - 38.1 BT 13.2 - 33.7 BM 13.4 - 33.5	
2002	Greece	78.8				0.0				
2002	Hungary	32.1				100				
2002	Ireland	15.3	12.8			100%	100%			A8 - 10
2002	Israel	30			30	100			100	
2002	Italy	90.14	72.11	67.60		28.20%	28.20%	28.20%		
2002	Japan	65.8				55.2				
2002	Latvia	0.093	-	-	0.093	100	-	-	100	

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
2002	Lithuania	24		19		5.6		7		
2002	México	67	n.a.	n.a.	n.a.	100	n.a.	n.a.	n.a.	n.a.
2002	New Zealand				14.19				NZ has no subsidies 100% cost price paid by producer	
2002	North Ireland	60 lts				100%	100%			
2002	Norway				54				100	
2002	Poland	131.7		120.0		62		58		Cost price of milk recording per cow and per year method A8 103.3 litres of milk; Part of the cost price paid by the producer % method A8 - 52
2002	Slovak	34.44		28.90		71		71		
2002	Slovenia	196				15				
2002	South Africa				52 litres = R104.00	34%				
2002	Spain	57.8		57.9		61		61		
2002	Sweden				B4: 62 liters of milk				100	
2002	Switzerland	57.11	0	0	0	40.7	0	0	0	
2002	Tunisia		125				Zero			
2002	Turkey	0	0	0	11.4 Euro	0	0	0	100	
2002	UK (England & Wales)					100	100	100	100	
2002	UK (Jersey)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2002	Zimbabwe	54.43				100				

4.1 All breeds together - All recorded cows

YEAR 2001

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)	Others
2001	Austria	323605	299		6101	4.13	3.40		
2001	Belgium (Wallonia Region)	52010	339	7518	7226	4.08	3.33		
2001	Canada	274658	305		9242	3.72	3.24		
2001	Croatia	29994			4685	3.86	3.33	412	
2001	Czech Rep:	391826	295	6136	6291	4.14	3.35	400	
2001	Denmark	559383	365	7792		4.32	3.45		365 rolling average
2001	England	42685	334	7873	7017	4.01	3.28	404	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
2001	Estonia	101636	327	5490	5304	4.27	3.26	407	
2001	Finland	269451		7907		4.27	3.36	394	These data are based on annual yields, not 305 d. Dry periods included.
2001	France	2857527	318	7147	6508	4.07	3.35	398	
2001	Germany	3651348	316	7131	7066	4.16	3.40	395	
2001	Greece	22752	309	6233	6122	3.48		391	
2001	Hungary	192398	297	7195	7340	3.75	3.28	426	
2001	India	2554	305		2562	3.98			
2001	Ireland	303313	267	5954		3.70%	3.31%	380	
2001	Israel	68877	354	11815	10540	3.39	3.12	420	
2001	Italy	821531	305	7925	7925	3.58	3.24		Closed lactations having length greater than 200 d; conventional 305 d yields
2001	Japan	357625	357	9610	8853	3.95	3.26	430	
2001	Korea	112968	305		8364	3.74	3.16	432	
2001	Latvia	58279		4763	4543	4.38	3.26	-	
2001	Lithuania	73863	305	4863	4598	4.31	3.6	400	
2001	Luxembourg	20681		7021		4.23	3.39	396	
2001	New Zealand	2369669	227	3912	4845	4.79	3.76	368	
2001	North Ireland	72267	305	7029	7029	3.83	3.23%	397	
2001	Norway	294299	251	6078	5036	4.17	3.27	384	
2001	Poland	419097	305	5597	5597	4.19	3.31	401	
2001	Portugal	90382	348	8367	7427	3.66	3.20%		
2001	Slovak Rep.	150394	293	4624	4765	4.09	3.30	411	
2001	Slovenia	57589	348	6054	5,452	4.14	3.34	415	
2001	South Africa	117321	295	6521		4.01	3.33	414	
2001	Spain	248700	333	8901	8153	3.64	3.12	396	
2001	Sweden	360364	365	8742		4.12	3.35	398	

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)	Others
2001	Switzerland	365543	286	6539	6440	3.96	3.26	394	
2001	The Netherlands	1072221	342	8601	7991	4.43	3.49	401	
2001	Tunisia	14019	324	6140	6252	3.35	3.17	424	
2001	UK (England & Wales)	784111			7167	3.92	3.26	400	
2001	UK (Jersey)	3748			4663	5.10	3.73	388	
2001	USA	4391799	305	9456	9,456	3.68	3.08		DHI Herd Averages
2001	Wales	5344	334	7480	6680	4.06	3.28	410	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

4.1 All breeds together - All recorded cows

YEAR 2002

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)	Others
2002	Argentina	94517	326	5592	6127	3.50	2.89	428	
July 2002 - June 2003	Australia	842113	193	6082	6,082	4.01	3.28		
2002	Austria	318913	299		6219	4.16	3.41		
2002	Belgium (Wallonia Region)	53476	351	7944	7439	4.08	3.34		
2002	Canada	293634	305		9511	3.72	3.25		
2002	Croatia	30895			4989	3.92	3.37	418	
2002	Czech	378077	296	6285	6428	4.13	3.40	404	
2002	Denmark	548025	365	7946		4.29	3.45		365 d. rolling average
2002	England	61893	339	8333	7368	4.02	3.29	408	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
2002	Estonia	100841	328	5642	5605	4.26	3.25	409	
2002	Finland	265547		8077		4.27	3.40	393	These data are based on annual yields, not 305 d. Dry periods included.
2002	France	2835917	314	7188	6530	4.06	3.36	402	
2002	Germany	3594394	318	7231	7174	4.16	3.40	396	
2002	Greece	12150	309	6454	6370,54	3.46		390	
2002	Hungary	184679	297	7449	7599	3.76	3.29	429	
2002	Ireland	282156	293	6049		3.71	3.33%		
2002	Israel	69260	353	11684	10445	3.43	3.14	419	
2002	Italy	854729	305	7986	7986	3.60	3.27		Closed lactations having length greater than 200 d; conventional 305 d yields
2002	Japan	369095	358	9762	8995	3.97	3.27	431	
2002	Korea	134538	305		8761	3.77	3.19	441	
2002	Latvia	58298		4833	4737	4.39	3.26	-	
2002	Lithuania	82457	305	5015	4821	4.32	3.7	402	
2002	Luxembourg	20532		7275		4.23	3.40	397	
2002	New	2124035	219	3855	4894	4.83	3.81	368	
2002	North Ireland	74771	305	7103	7103	3.78	3.20%	400	
2002	Norway	233997	239	6190	4944	4.14	3.27	384	
2002	Poland	448051	305	5712	5712	4.19	3.28	408	
2002	Portugal	94623	350	8760	7727	3.68	3.22%	421	
2002	Slovak	149325	293	4940	5090	3.93	3.27	411	
2002	Slovenia	64999	349	6138	5,561	4.18	3.34	422	

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)	Others
2002	South Africa	113652	295	6609		4.01	3.37	415	
2002	Spain	333868	337	9221	8392	3.64	3.12	395	
2002	Sweden	354801	365	8784		4.11	3.35	401	
2002	Switzerland	364315	285	6718	6608	3.99	3.26	395	
2002	The Netherlands	1105163	349	8704	7972	4.43	3.49	404	
2002	Tunisia	13466	329	6161	6206	3.42	3.19	417	
2002	UK (England & Wales)	728170			7524	3.90	3.29	404	
2002	UK (Jersey)	3685			4550	5.22	3.75	389	
2002	USA	4412866	305	9621	9621	3.69	3.07		DHI Herd Averages
2002	Wales	8257	335	7885	7023	4.08	3.31	413	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
2002	Zimbabwe	5633			5969			490	

4.2 All breeds together – Cows in herdbook

YEAR 2001

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)	Others
2001	Austria	302305	299		6130	4.13	3.40		
2001	Belgium (Wallonia Region)								all cows in milk recording = all cows in herdbook
2001	Czech Rep.	329565	295	6266	6416	4.14	3.35	401	
2001	Denmark	559383	365	7792		4.32	3.45		365 d. rolling average
2001	England	31959	336	8141	7252	4.00	3.27	408	
2001	Estonia	50014	336	6102	5809	4.26	3.28	403	
2001	Fance	2857527	318	7147	6508	4.07	3.35	398	
2001	France	2835917	314	7188	6530	4.06	3.36	402	
2001	Germany	2544299	310	7431	7342	4.15	3.41	396	
2001	Greece	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
2001	Hungary	175581	296	7266	7431	3.74	3.26	423	
2001	Ireland	77242	270	6638		3.74	3.28	394	
2001	Italy	821531	305	7925	7925	3.58	3.24		
2001	Japan	293186	356	9662	8927	3.95	3.26	429	
2001	Latvia	3339			5168	4.50	3.25		
2001	Luxembourg	18631		7211		4.23	3.40	398	
2001	Norway	294299	251	6078	5036	4.17	3.27	384	
2001	Poland	155729	305	5856	5856	4.16	3.26		
2001	Portugal	33780	351	8749	7733	3.66	3.19		
2001	Slovak Rep.	62051	292	4692	4848	4.13	3.32	410	
2001	Slovenia	57589	348	6.054	5.452	4.14	3.34	415	
2001	South Africa	69252	295		6850	3.79	3.27	420	
2001	Spain	248700	333	8901	8153	3.64	3.12	396	
2001	Sweden ¹								
2001	Switzerland	365543	286	6539	6440	3.96	3.26	394	

¹ The National Member does not have any special statistics for Cows in Herdbook. The herdbook is incorporated with cows in milk recording

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)	Others
2001	The Netherlands	926745	342	8713	8092	4.42	3.49	402	
2001	Tunisia	14019	324	6140	6252	3.35	3.17	424	
2001	Turkey	23924	384	6526	5777	3.36			
2001	UK (Jersey)	3748			4663	5.10	3.73	388	
2001	Wales	4319	338	7775	6912	4.07	3.28	414	

4.2 All breeds together – Cows in herdbook

YEAR 2002

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)	Others
2002	Argentina	3551	348	6587	7007	3.50	2.97	465	
July 2002 - June 2003	Australia	109260	326	7014	6668	4.03	3.33		
2002	Austria	305752	299		6239	4.16	3.42		
2002	Belgium (Wallonia Region)								all cows in milk recording = all cows in herdbook
2002	Czech	321165	296	6473	6555	4.13	3.41	404	
2002	Denmark	548025	365	7946		4.29	3.45		365 d. rolling average
2002	England	49227	341	8617	7610	4.01	3.28	409	
2002	Estonia	55359	338	6221	6097	4.25	3.27	404	
2002	Germany	2495625	319	7528	7495	4.15	3.41	396	
2002	Greece	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available
2002	Hungary	173367	297	7536	7688	3.74	3.28	426	
2002	Ireland	77570	280	6739		3.72	3.31		
2002	Italy	854729	305	7986	7986	3.60	3.27		
2002	Japan	300707	356	9822	9079	3.97	3.27	430	
2002	Latvia	3633			5318	4.51	3.24		
2002	Luxembourg	18714		7424		4.23	3.39	399	
2002	Norway	233997	239	6190	4945	4.14	3.27	384	
2002	Norway	233997	239	6190	4945	4.14	3.27	384	
2002	Poland	158821	305	6050	6050	4.19	3.27		
2002	Portugal	38174	355	9165	8037	3.67	3.22		
2002	Slovak	54529	293	5092	5427	3.94	3.29	408	
2002	Slovenia	64999	349	6138	5.561	4.18	3.34	422	
2002	South Africa	67102	295		6941	3.81	3.31	421	
2002	Spain	333868	337	9221	8392	3.64	3.12	395	
2002	Sweden ²								
2002	Switzerland	364315	285	6718	6608	3.99	3.26	395	

² The National Member does not have any special statistics for Cows in Herdbook. The herdbook is incorporated with cows in milk recording

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)	Others
2002	The Netherlands	995527	350	8816	8070	4.43	3.49	405	
2002	Tunisia	13466	329	6161	6206	3.42	3.19	417	
2002	Turkey	31764	350	6223	5607	3.41		395	
2002	UK (Jersey)	3685			4550	5.22	3.75	389	
2002	Wales	7191	336	8027	7158	4.10	3.30	415	
July 2002 - June 2003	Australia	109260	326	7014	6668	4.03	3.33		

4.3 Main breeds – All recorded cows

YEAR 2001

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)
2001	Austria	Fleckvieh	226395	298		5943	4.14	3.43	
2001	Austria	Braunvieh	57964	300		6318	4.10	3.37	
2001	Austria	Pinzgauer	9116	297		4935	3.87	3.27	
2001	Austria	Grauvieh	2911	295		4481	3.86	3.24	
2001	Austria	Holstein	26116	300		7630	4.12	3.26	
2001	Belgium	Rood ras (red)	831	322	6480		4.09	3.36	400
2001	Belgium (Flemish Region)	Blanc-bleu mixte	628	291	4822		3.65	3.25	372
2001	Belgium (Flemish Region)	Roodbont	7713	327	7069		4.25	3.39	396
2001	Belgium (Flemish Region)	Holstein	56117	346	8468		4.08	3.35	407
2001	Belgium (Flemish Region)	Witrood (white red)	8986	316	6184		4.15	3.34	389
2001	Belgium (Flemish Region)	Red Holstein	24084	332	7139		4.31	3.43	395
2001	Belgium (Wallonia Region)	Blanc-Bleu Belge	2157	282	3.905	4394	3.56	3.22	
2001	Belgium (Wallonia Region)	Red Holstein	10187	329	6.720	6569	4.19	3.38	
2001	Belgium (Wallonia Region)	Holstein	39666	345	7.920	7462	4.08	3.32	
2001	Belgium (Wallonia Region)	Montbéliarde	668	324	6.432	6252	3.85	3.38	
2001	Belgium (Wallonia Region)	Normande	354	314	5.806	5836	4.20	3.56	

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)
2001	Canada	Ayrshire	10019	305	7214	7214	4.00	3.35	
2001	Canada	Brown Swiss	1311	305	8020	8020	4.02	3.50	
2001	Canada	Canadienne	154	305	6089	6089	4.25	3.68	
2001	Canada	Guernsey	707	305	6015	6015	4.45	3.51	
2001	Canada	Holstein	254014	305	9440	9440	3.68	3.22	
2001	Canada	Jersey	8198	305	6186	6186	4.87	3.83	
2001	Canada	Milking Shorthorn	255	305	6906	6906	3.75	3.30	
2001	Croatia	Simmental		21545		4175	3.91	3.36	402
2001	Croatia	Holstein		8241		6002	3.74	3.27	440
2001	Croatia	Brown		208		5311	4.05	3.37	396
2001	Czech Rep	PN Pie Noire	89328	303	7079	7114	4.04	3.27	411
2001	Czech Rep	Montbéliarde	1304	300	7054	7142	3.95	3.43	408
2001	Czech Rep.	F Fleckvieh	199179	297	5579	5691	4.22	3.40	396
2001	Denmark ¹	Red Danish	50229	365	7456		4.21	3.57	
2001	Denmark ¹	Danish Holstein	391328	365	8257		4.13	3.35	
2001	Denmark ¹	Jersey	68984	365	5709		5.99	4.06	
2001	Denmark ¹	Red Holstein	4918	365	7280		4.27	3.43	
2001	Denmark ¹	Ayrshire	141	365	7576		4.38	3.43	
2001	Denmark ¹	Norwegian Red	39	365	7157		3.97	3.45	
2001	Denmark ¹	X-breeds	43744	365	7361		4.42	3.5	
2001	England ²	Holstein Friesian	35859	334	7865	7102	3.97	3.27	403
2001	England ²	Dairy Shorthorn	170	327	6130	5537	3.81	3.23	407
2001	England ²	Ayrshire	377	304	5448	5152	4.07	3.31	393
2001	England ²	Jersey	1100	315	4913	4526	5.44	3.87	388
2001	England ²	MRI	132	349	5831	5096	4.13	3.48	403
2001	England ²	Brown Swiss	97	324	6634	5926	4.10	3.36	393

¹ 365 d. rolling average

² Homebred only

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)
2001	Estonia	Estonian Holstein	73173	329	5712	5517	4.23	3.23	410
2001	Estonia	Estonian Red	27981	322	4939	4785	4.36	3.34	402
2001	Finland ³	Finnish Ayrshire	198378		7823		4.37	3.40	
2001	Finland ³	Holstein-Friesian	67909		8232		4.00	3.33	
2001	Finland ³	Finnish Cattle	2927		6160		4.38	3.44	
2001	France	Prim'Holstein	2068661	326	7678	6926	4.07	3.31	
2001	France	Montbéliarde	347869	295	6110	5777	3.88	3.40	
2001	France	Normande	299942	302	5410	5046	4.35	3.56	
2001	France	Abondance	19382	287	5001	4772	3.73	3.43	
2001	France	Brune	15992	320	6470	5860	4.08	3.51	
2001	France	Simmental Française	14053	290	5240	4980	4.00	3.48	
2001	France	Pie Rouge des Plaines	10945	300	6296	5930	4.20	3.40	
2001	France	Tarentaise	7519	269	4007	3910	3.59	3.36	
2001	Germany	Holstein-Schwarzbunt	2046923	317	7.724	7718	4.17	3.37	397
2001	Germany	Holstein-Rotbunt	301621	315	6.917	6887	4.22	3.35	391
2001	Germany	Fleckvieh	935476	315	6.201	6039	4.10	3.47	391
2001	Germany	Braunvieh	206756	321	6.425	6309	4.12	3.54	409
2001	Germany	Gelbvieh	8502	316	5.573	5448	4		
2001	Germany	Gelbvieh	8502	316	5.573	5448	4.11	3.50	396
2001	Greece	H-F	22752	309	6233	6123	3.48		391
2001	Hungary	Hungarian Red Spotted	5968	291	4997	5176	4.02	3.43	411
2001	Hungary	Hungarian Holstein Friesian	171066	297	7367	7515	3.73	3.26	426

³ These data are based on annual yields, not 305 d. Dry periods included.

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)
2001	Ireland ⁴	Holstein Friesian - Pedigree	77242	270	6638		3.74%	3.28%	394 days
2001	Ireland ⁴	Holstein Friesian - Non Pedigree	222506	265 days	5732		3.69%	3.31%	377 days
2001	Italy ⁵	Italian friesian (frisona italiana)	655096	305	8524	8524	3.53	3.21	
2001	Italy ⁵	Italian brown (bruna italiana)	89268	305	6172	6172	3.89	3.42	
2001	Italy ⁵	Italian red spotted (pezzata rossa italiana)	30970	305	5847	5847	3.89	3.39	
2001	Italy ⁵	Valdostana red spotted (valdostana pezzata rossa)	10300	305	3512	3512	3.51	3.25	
2001	Italy ⁵	Grey of alps (grigio alpina, grauvieh)	6231	305	4631	4631	3.76	3.34	
2001	Italy ⁵	Jersey	3359	305	5290	5290	5.51	4.01	
2001	Italy ⁵	Modicana	2505	305	3241	3241	3.52	3.46	
2001	Japan	Holstein	355177	357	9633	8869	3.94	3.26	430
2001	Japan	Jersey	2266	339	6145	5840	4.88	3.84	410
2001	Latvia	Latvia Brown	42066	305		4357	4.45	3.30	
2001	Latvia	Holstein Black and White	15231	305		5052	4.19	3.14	
2001	Latvia	Other breeds	982	305		4656	4.38	3.28	
2001	Lithuania	Black & whites	51747	305	5000	4712	4.28	3.8	400
2001	Lithuania	Reds	21936	305	4533	4330	4.41	3.3	401

⁴ Other breeds are numerically so few (less than 5% of all recorded cows), that it was decided to give information only for the Holstein Friesian Herd book.

⁵ Closed lactations having length greater than 200 d; conventional 305 d yields

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)
2001	Luxembourg	Holstein-Schwarzbunt	14398		7.293		4.17	3.37	399
2001	Luxembourg	Holstein-Rotbunt	5824		6.464		4.41	3.45	389
2001	Luxembourg	Jersey	83		4.352		6.20	4.14	378
2001	Luxembourg	Fleckvieh	143		6.127		4.08	3.44	390
2001	México	Holstein	43685	365	8068	8124	3.52	3.24	435
2001	New Zealand	Friesian ,Jersey ,Friesian/Jersey cross, Ayrshire	FR 1285855,Jer 413310, Fr/Jer cross 640045, Ayrshire 30459	FR 222, Jer 225, FRI/Jer cross 224, AYR 224	FR 4183.73, Jer 2981.44, FRI/Jer cross 3742.03 Ayr 3646.05	FR 5262.14, Jer 3715.33, FRI/Jer cross 4677.53, Ayr 4557.56	FR 4.43, Jer 5.84, FRI/Jer cross 5.05, Ayr 4.47	FR 3.60, Jer 4.19, FRI/Jer 3.86, Ayr 3.68	FR 368.3, Jer 368.3, FRI/Jer cross 367.7, Ayr 369.3
2001	North Ireland	Holstein	67423	325		7033	3.82	3.23	396
2001	Norway	NRF Norwegian cattle							
2001	Poland	Black and white	395047	305	5618	5618	4.20	3.31	
2001	Poland	Red and white	17937	305	5607	5607	4.16	3.32	
2001	Poland	Simmentaler	3942	305	4202	4202	4.03	3.39	
2001	Poland	Polish red	1200	305	3786	3786	4.26	3.39	
2001	Portugal	Holstein Frisia	90382	348	8367	7427	3.66	3.20	
2001	Slovak Rep.	Slovak simmental	19663	292	3918	4048	4.15	3.34	409
2001	Slovak Rep.	Holstein	16715	297	6091	6214	4.02	3.29	424
2001	Slovak Rep.	Slovak pinzgauer	3260	288	3293	3437	4.02	3.36	402
2001	Slovak Rep.	Cross breeds	110756	293	4566	4705	4.09	3.29	410
2001	Slovenia	Simmental	24747	342	5042	4588	4.22	3.39	408
2001	Slovenia	Black & White	18484	357	7699	6860	4.07	3.28	423
2001	Slovenia	Brown	13109	349	5676	5118	4.16	3.38	415
2001	South Africa	Holstein	72637	296	7410		3.46	3.12	421
2001	South Africa	Jersey	36804	295	4968		4.45	3.58	403
2001	South Africa	Ayrshire	4468	293	5711		3.75	3.24	419
2001	South Africa	Guernsey	1486	295	5241		4.36	3.39	412

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)
2001	Spain	Frisona	246978	334	8919	8167	3.64	3.13	394
2001	Spain	Parda alpina	1722	298	6392	6293	3.65	3.15	408
2001	Sweden	Sw - red & white	171318	365	8378		4.27	3.41	395
2001	Sweden	Sw - holstein	169108	365	9204		3.98	3.28	404
2001	Sweden	Sw - polled	1997	365	5511		4.35	3.5	404
2001	Sweden	Sw - jersey	1719	365	6116		5.58	3.83	398
2001	Switzerland	Braunvieh	153482	300	6159	6236	3.94	3.31	399
2001	Switzerland	Fleckvieh	162364	326	6858	6485	4.0	3.22	383
2001	Switzerland	Holstein	43810	300	7274	7395	3.92	3.18	409
2001	Switzerland	Eringer	5149	192	2179	3261	3.69	3.37	
2001	Switzerland	Jersey	665	299	4503	4593	5.52	3.80	386
2001	Switzerland	Hinterwälder	73	299	3570	3045	4.06	3.43	
2001	The Netherlands	B&W	784485	347	8993	8272	4.39	3.47	405
2001	The Netherlands	R&W	236604	327	7595	7289	4.55	3.55	390
2001	Tunisia	Holstein	13642	325	6192	6281	3.34	3.15	424
2001	Tunisia	Brown swiss	101	300	4270	4300	3.41	3.30	428
2001	Tunisia	Tarentais	58	243	3680	4790	3.10	3.38	361
2001	Tunisia	Montbeliarde	30	320	5664	5868			359
2001	Tunisia	Fleickvieh	188	296	4219	4233	3.68	3.38	364
2001	UK (England & Wales)	Holstein Friesian	739591			7280	3.90	3.25	400
2001	UK (England & Wales)	Jersey	14222			4853	5.37	3.85	390
2001	UK (England & Wales)	Ayrshire	9653			5890	4.00	3.32	400
2001	UK (England & Wales)	Guernsey	8180			5071	4.68	3.56	398
2001	UK (England & Wales)	Shorthorn	4021			5746	3.87	3.28	389
2001	UK (England & Wales)	Brown Swiss	1426			6566	4.04	3.37	405
2001	UK (England & Wales)	Meuse Rhine Issel	1258			5534	4.07	3.43	387

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)
2001	UK (Jersey)	Jersey	3748			4663	5.10	3.73	388
2001	USA ^b	Holstein	4048939	305	9639	9639	3.64	3.05	
2001	USA ^b	Jersey	168388	305	6915	6915	4.61	3.59	
2001	USA ^b	Brown Swiss	15932	305	7877	7877	4.04	3.36	
2001	USA ^b	Guernsey	11191	305	6612	6612	4.50	3.37	
2001	USA ^b	Ayrshire	7658	305	7014	7014r	3.88	3.17	
2001	USA ^b	Milking Shorthorn	3524	305	7652	7652	3.62	3.16	
2001	Wales ⁷	Holstein Friesian	4438	331	7405	6648	4.04	3.25	406
2001	Wales ⁷	Dairy Shorthorn	71	291	4053	3930	3.54	3.35	364
2001	Wales ⁷	Jersey	100	304	3832	3577	5.41	3.84	381

⁶ DHI Herd Averages

⁷ Homebred only

4.3 Main breeds – All recorded cows

YEAR 2002

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)
2002	Argentina	Holstein	94517	326	5592	6127	3.50	2.89	428
2002	Austria	Fleckvieh	223526	298		6047	4.18	3.44	
2002	Austria	Braunvieh	56078	300		6451	4.12	3.40	
2002	Austria	Holstein	26740	300		7759	4.15	3.28	
2002	Austria	Pinzgauer	8734	298		5096	3.88	3.28	
2002	Austria	Grauvieh	2904	295		4598	3.90	3.26	
2002	Belgium (Flemish Region)	blanc-bleu mixte	602	293	4886		3.72	3.27	375
2002	Belgium (Flemish Region)	Roodbont	5428	330	7078		4.25	3.39	403
2002	Belgium (Flemish Region)	Rood ras (red)	543	323	6287		4.13	3.36	406
2002	Belgium (Flemish Region)	Holstein	56829	350	8633		4.10	3.36	412
2002	Belgium (Flemish Region)	Witrood (White Red)	7104	323	6329		4.18	3.35	396
2002	Belgium (Flemish Region)	Red Holstein	25778	336	7295		4.31	3.43	401
2002	Belgium (Wallonia Region)	Blanc-Bleu Belge	2471	281	4.004	4507	3.58	3.24	
2002	Belgium (Wallonia Region)	Red Holstein	9788	332	6.923	6759	4.21	3.39	
2002	Belgium (Wallonia Region)	Holstein	41217	347	8.140	7675	4.08	3.34	
2002	Belgium (Wallonia Region)	Montbéliarde	703	325	6.599	6492	3.87	3.41	
2002	Belgium (Wallonia Region)	Normande	341	330	6.046	5967	4.17	3.55	

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)
2002	Croatia	Simmental		21461		4426	4.02	3.40	404
2002	Croatia	Holstein		9343		6281	3.76	3.30	449
2002	Croatia	Brown		91		5165	4.12	3.40	396
2002	Czech Rep	F Fleckvieh	186880	294	5642	5800	4.23	3.46	398
2002	Czech Rep	Holstein	92294	298	7260	7388	4.02	3.32	415
2002	Czech Rep	Montbéliarde	1266	295	6916	7091	3.91	3.45	406
2002	Denmark ⁸	Red Danish	48560	365	7553		4.21	3.56	
2002	Denmark ⁸	Danish Holstein	390832	365	8405		4.09	3.36	
2002	Denmark ⁸	Jersey	67373	365	5824		5.92	4.07	
2002	Denmark ⁸	Red Holstein	5220	365	7451		4.25	3.44	
2002	Denmark ⁸	Ayrshire	155	365	7763		4.35	3.49	
2002	Denmark ⁸	Norwegian Red	28	365	7674		3.73	3.4	
2002	Denmark ⁸	X-breeds	35857	365	7531		4.38	3.51	
2002	England ⁹	Holstein Friesian	54700	339	8430	7454	3.99	3.28	407
2002	England ⁹	Dairy Shorthorn	158	329	6221	5587	3.98	3.23	396
2002	England ⁹	Ayrshire	606	317	6038	5571	4.05	3.36	3.97
2002	England ⁹	Jersey	1253	300	4802	4370	5.55	3.91	386
2002	England ⁹	Guernsey	283	249	4460	4188	4.84	3.51	398
2002	England ⁹	MRI	93	325	5450	4946	4.15	3.41	418
2002	England ⁹	Brown Swiss	134	328	6786	5779	4.21	3.43	409
2002	Estonia	Estonian Holstein	73462	331	5864	5825	4.22	3.22	411
2002	Estonia	Estonian Red	26874	323	5066	5052	4.39	3.34	404

⁸ 365 d. rolling average

⁹ Homebred only

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)
2002	Finland ¹⁰	Finnish Ayrshire	193302		7976		4.38	3.44	396
2002	Finland ¹⁰	Holstein-Friesian	69166		8442		3.99	3.35	388
2002	Finland ¹⁰	Finnish Cattle	2905		6250		4.42	3.49	389
2002	France	Prim'Holstein	2040966	322	7729	6951	4.06	3.32	
2002	France	Montbéliarde	383962	293	6132	5787	3.89	3.41	
2002	France	Normande	296282	296	5461	5102	4.34	3.58	
2002	France	Abondance	19334	290	5044	4815	3.72	3.44	
2002	France	Brune	16212	318	6445	5825	4.12	3.52	
2002	France	Simmental Française	14066	290	5314	5037	3.99	3.49	
2002	France	Pie Rouge des Plaines	10634	296	6414	6034	4.22	3.41	
2002	France	Tarentaise	7514	273	4050	3942	3.57	3.36	
2002	Germany	Holstein-Schwarzbunt	2009339	320	7.837	7830	4.14	3.36	398
2002	Germany	Holstein-Schwarzbunt	2009339	320	7.837	7830	4.14	3.36	398
2002	Germany	Holstein-Schwarzbunt	2009339	320	7.837	7830	4.14	3.36	398
2002	Germany	Holstein-Rotbunt	286379	316	7.053	6987	4.24	3.34	393
2002	Germany	Fleckvieh	932154	315	6.244	6125	4.14	3.47	391
2002	Germany	Braunvieh	202954	321	6.575	6484	4.18	3.56	409
2002	Germany	Gelbvieh	7419	314	5.536	5558	4.14	3.48	397
2002	Greece	H-F	12150	309	6454	6371	3.46		390
2002	Hungary	Hungarian Red Spotted	5679	292	5135	5305	4.00	3.45	409
2002	Hungary	Hungarian Holstein Friesian	167991	298	7597	7731	3.74	3.28	426
2002	Ireland	Holstein >=87%	29894	318	6832		3.71%	3.29%	
2002	Ireland	Holstein 50-87%	188522	291	5997		3.71%	3.33%	

¹⁰ These data are based on annual yields, not 305 d. Dry periods included.

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)
2002	Italy ¹¹	Italian friesian (frisona italiana)	684345	305	8571	8571	3.56	3.24	
2002	Italy ¹¹	Italian brown (pezzata rossa italiana)	89128	305	6283	6283	3.91	3.46	
2002	Italy ¹¹	Italian red spotted (pezzata rossa italiana)	31310	305	5946	5946	3.89	3.42	
2002	Italy ¹¹	Valdostana red spotted (valdostana pezzata rossa)	11622	305	3533	3533	3.53	3.26	
2002	Italy ¹¹	Grey of alps (grigio alpina, grauviel)	6259	305	4730	4730	3.77	3.38	
2002	Italy ¹¹	Jersey	3449	305	5424	5424	5.43	4.03	
2002	Italy ¹¹	Modicana	2499	305	3218	3218	3.53	3.48	
2002	Japan	Holstein	366513	358	9786	9013	3.97	3.27	431
2002	Japan	Jersey	2368	345	6248	5750	4.90	3.87	414
2002	Latvia	Latvia Brown	41304	305		4550	4.46	3.31	
2002	Latvia	Holstein Black and White	15782	305		5220	4.21	3.14	
2002	Latvia	Other breeds	1246	305		4821	4.47	3.31	
2002	Lithuania	Black & whites	58853	305	5136	4946	4.28	3.8	401
2002	Lithuania	Reds	23399	305	4695	4507	4.44	3.4	402
2002	Luxembourg	Holstein-Schwarzbunt	14656		7.533		4.18	3.37	400
2002	Luxembourg	Holstein-Rotbunt	5470		6.675		4.37	3.45	390
2002	Luxembourg	Jersey	41		5.213		5.91	4.01	411
2002	Luxembourg	Fleckvieh	149		6.424		4.17	3.47	382
2002	México	Holstein	40967	365	8225	n.a.	3.56	3.23	441

¹¹ Closed lactations having length greater than 200 d; conventional 305 d yields

4.3 Main breeds – All recorded cows

Year 2002	Country New Zealand	Breed Friesian ,Jersey ,Friesian/Jersey cross, Ayrshire	Number of lactations FR 1110878,Jer37 4409, Fr/Jer cross 612868, Ayrshire 25880	Length of the lactations (days) FR 216, Jer 218, FRI/Jer cross 219, AYR 220	Milk yield per recorded cow (kg) FR 4167.22, Jer 2929.85, FRI/Jer cross 3725.52 Ayr 3685.27	Milk per cow in 305 days (kg) FR 5340.90, Jer 3731.41, FRI/Jer cross 4729.89, Ayr 4664.16	Percent of fat content (%) FR 4.48, Jer 5.91, FRI/Jer cross 5.11, Ayr 4.47	Percent of protein content (%) FR 3.65, Jer 4.24, FRI/Jer 3.92, Ayr 3.71	Calving interval (days) FR 368.7, Jer 367.8, FRI/Jer cross 367.7, Ayr 369.7
2002	North Ireland	Holstein	69997	324		7115	3.78	3.20	399
2002	Norway	NRF Norwegian Cattle							
2002	Poland	Black and white	423550	305	5740	5740	4.20	3.29	
2002	Poland	Red and white	18463	305	5589	5589	4.18	3.29	
2002	Poland	Polish red	1145	305	3965	3965	4.27	3.33	
2002	Poland	Simmentaler	3920	305	4107	4107	3.98	3.32	
2002	Portugal	Holstein Frisia	94623	350	8760	7727	3.68	3.22	421
2002	Slovak Rep.	Slovak simmental	18027	293	4117	4223	3.97	3.31	409
2002	Slovak Rep.	Holstein	17873	297	6436	6566	3.85	3.25	425
2002	Slovak Rep.	Slovak pinzgauer	2946	290	3358	3487	3.93	3.33	404
2002	Slovak Rep.	Cross breeds	110479	293	4876	5025	3.94	3.26	409
2002	Slovenia	Simmental	27168	342	5123	4689	4.26	3.39	414
2002	Slovenia	Black & White	21970	359	7739	6914	4.11	3.28	430
2002	Slovenia	Brown	14322	349	5703	5161	4.19	3.37	424
2002	South Africa	Holstein	67344	296	6804		3.47	3.16	425
2002	South Africa	Jersey	37827	295	5113		4.44	3.63	406
2002	South Africa	Ayrshire	4671	293	5949		3.76	3.27	421
2002	South Africa	Guernsey	1355	295	5406		4.37	3.42	408
2002	Spain	Frisona	332226	337	9232	8400	3.64	3.14	393
2002	Spain	Parda alpina	1642	299	5917	6429	3.79	3.41	403
2002	Sweden	Sw - red & white	166995	365	8427		4.27	3.43	395
2002	Sweden	Sw - polled	1797	365	5653		4.37	3.52	398
2002	Sweden	Sw - jersey	1786	365	6132		5.64	3.86	398
2002	Sweden	Sw - holstein	168183	365	9234		3.94	3.28	407

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)
2002	Switzerland	Braunvieh	149167	300	6374	6454	4.0	3.31	404
2002	Switzerland	Fleckvieh	164781	328	6989	6601	3.99	3.24	385
2002	Switzerland	Holstein	44386	300	7443	7567	3.94	3.17	409
2002	Switzerland	Eringer	5123	180	2088	3325	3.64	3.46	
2002	Switzerland	Jersey	814	298	4809	4921	5.55	3.87	384
2002	Switzerland	Hinterwälder	104	303	3510	3353	4.14	3.5	
2002	The Netherlands	B&W	825400	354	9075	8222	4.40	3.47	408
2002	The Netherlands	R&W	229775	335	7684	7187	4.57	3.55	392
2002	Tunisia	Holstein	12921	330	6226	6261	3.41	3.18	417
2002	Tunisia	Brown swiss	216	313	4420	4351	3.43	3.42	400
2002	Tunisia	Tarentais	61	244	3718	5178	3.58	3.18	383
2002	Tunisia	Montbeliarde	30	339	6529	6308	3.37	3.38	439
2002	Tunisia	Fleickvieh	238	322	4774	4381	3.85	3.52	390
2002	UK (England & Wales)	Holstein Friesian	686413			7650	3.87	3.27	404
2002	UK (England & Wales)	Jersey	13314			5078	5.33	3.87	394
2002	UK (England & Wales)	Ayrshire	8688			6105	3.99	3.34	404
2002	UK (England & Wales)	Guernsey	7343			5228	4.65	3.60	404
2002	UK (England & Wales)	Shorthorn	3753			6010	3.85	3.31	390
2002	UK (England & Wales)	Brown Swiss	1465			6010	3.85	3.31	411
2002	UK (England & Wales)	Meuse Rhine Issel	1444			5695	4.09	3.48	392
2002	UK (Jersey)	Jersey	3685			4550	5.22	3.75	389

4.3 Main breeds – All recorded cows

Year 2002	Country USA ¹²	Breed Holstein	Number of lactations 4071232	Length of the lactations (days) 305	Milk yield per recorded cow (kg) 9804	Milk per cow in 305 days (kg) 9804	Percent of fat content (%) 3.66	Percent of protein content (%) 3.05	Calving interval (days)
2002	USA ¹²	Jersey	166775	305	7049	7049	4.61	3.59	
2002	USA ¹²	Brown Swiss	15051	305	8043	8043	4.06	3.36	
2002	USA ¹²	Guernsey	10462	305	6656	6656	4.53	3.37	
2002	USA ¹²	Ayrshire	7524	305	7173	7173	3.89	3.16	
2002	USA ¹²	Milking Shorthorn	2619	305	6458	6458	3.64	3.11	
2002	Wales ¹³	Holstein Friesian	7154	334	7924	7073	4.05	3.29	410
2002	Wales ¹³	Jersey	237	305	4476	4198	5.42	3.87	388
2002	Zimbabwe	Aryshire	27			6202			639
2002	Zimbabwe	Guernsey	123			4912			470
2002	Zimbabwe	Holstein	4463			6328			473
2002	Zimbabwe	Jersey	483			5265			481
2002	Zimbabwe	Red Dane	537			7140			388

¹² DHI Herd averages

¹³ Homebred only

4.4 Main breeds – Cows in herdbook

YEAR 2001

Year	Country	Breed	Number of lactations	Lenght 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)
2001	Austria	Fleckvieh	216196	298		5975	4.15	3.43	
2001	Austria	Braunvieh	51247	300		6367	4.10	3.37	
2001	Austria	Pinzgauer	8799	297		4919	3.87	3.27	
2001	Austria	Grauvieh	2402	295		4490	3.86	3.24	
2001	Austria	Holstein	22897	301		7735	4.12	3.26	
2001	Belgium (Wallonia Region) ¹	All							
2001	Czech Rep.	F Fleckvieh	178169	294	5612	5768	4.22	3.41	396
2001	Czech Rep.	PN Pie Noire	151396	297	7036	7178	4.05	3.29	407
2001	Denmark	Red Danish	50229		7456		4.21	3.57	
2001	Denmark	Jersey	68984		5709		5.99	4.06	
2001	Denmark	Red Holstein	4918		7280		4.27	3.43	
2001	Denmark	Ayrshire	141		7576		4.38	3.43	
2001	Denmark	Danish Holstein	391328		8257		4.13	3.35	
2001	England ²	Ayrshire	413	304	5563	5262	4.07	3.30	393
2001	England ²	Jersey	1029	314	4947	4556	5.44	3.87	387
2001	England ²	Holstein Friesian	26983	336	8231	7333	3.95	3.25	407
2001	Estonia	Estonian Holstein	34485	338	6485	6168	4.22	3.25	405
2001	Estonia	Estonian Red	15356	332	5265	5037	4.37	3.35	399

¹ All cows in milk recording = all cows in herdbook

² Homebred only

4.4 Main breeds – Cows in herdbook

Year	Country	Breed	Number of lactations	Lenght 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)
2001	France	Prim'Holstein	2068661	326	7678	6926	4.07	3.31	
2001	France	Montbéliarde	347869	295	6110	5777	3.88	3.40	
2001	France	Normande	299942	302	5410	5046	4.35	3.56	
2001	France	Abondance	19382	287	5001	4772	3.73	3.43	
2001	France	Brune	15992	320	6470	5860	4.08	3.51	
2001	France	Simmental Française	14053	290	5240	4980	4.00	3.48	
2001	France	Pie Rouge des Plaines	10945	300	6296	5930	4.20	3.40	
2001	France	Tarentaise	7519	269	4007	3910	3.59	3.36	
2001	Germany	Holstein Schwarzbunt	1509457	307	7988	1219925	4.16	3.38	398
2001	Germany	Holstein-Rotbunt	170715	317	7409	7358	4.21	3.36	392
2001	Germany	Holstein-Schwarzbunt	1509457	307	7988	7926	4.16	3.38	398
2001	Germany	Fleckvieh	657277	315	6430	6242	4.10	3.49	390
2001	Germany	Braunvieh	164521	319	6626	6487	4.12	3.56	408
2001	Germany	Gelbvieh	7380	315	5654	5516	4.11	3.50	402
2001	Germany	Gelbvieh	7380	315	5654	5516	4.11	3.50	402
2001	Hungary	Hungarian Red Spotted	5932	291	4997	5176	4.02	3.43	410
2001	Hungary	Hungarian Holstein Friesian	169649	297	7376	7525	3.73	3.26	426
2001	Ireland ³	Holstein Friesian	77242	270	6638		3.74.	3.21.	

³ Other breeds are numerically so few (less than 5% of all recorded cows), that it was decided to give information only for the Holstein Friesian Herd book.

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)
2001	Italy ⁴	Italian brown (Bruna italiana)	89268	305	6172	6172	3.89	3.42	
2001	Italy ⁴	Italian red spotted (Pezzata rossa italiana)	30970	305	5847	5847	3.89	3.39	
2001	Italy ⁴	Valdostana red spotted (valdostana pezzata rossa)	10300	305	3512	3512	3.51	3.25	
2001	Italy ⁴	Jersey	3359	305	5290	5290	5.51	4.01	
2001	Italy ⁴	Modicana	2505	305	3241	3241	3.52	3.46	
2001	Italy ⁴	Italian friesian (Frisona italiana)	655096	305	8524	8524	3.53	3.21	
2001	Japan	Holstein	291612	356	9681	8940	3.95	3.26	429
2001	Japan	Jersey	1562	334	6168	5951	4.90	3.84	404
2001	Latvia	Latvia Brown	2034			4733	4.68	3.32	
2001	Latvia	Holstein Black&White	1111			6065	4.25	3.13	
2001	Luxembourg	Holstein-Schwarzbunt	13223		7464		4.17	3.38	401
2001	Luxembourg	Holstein-Rotbunt	4970		6680		4.40	3.46	391
2001	Luxembourg	Jersey	81		4341		6.22	4.15	378
2001	Luxembourg	Fleckvieh	143		6127		4.08	3.44	390
2001	México	Holstein	43685	365	8068	8124	3.52	3.24	435
2001	Norway	NRF Norwegian cattle	294299	251	6078	5036	4.17	3.22	384
2001	New Zealand	Friesian	81784	252	5158	5935	4.25	3.48	
2001	Poland	Black and white	146149	305	5868	5868	4.16	3.27	
2001	Poland	Red and white	7973	305	5936	5936	4.16	3.28	
2001	Portugal	Holstein Frisia	33780	351	8749	7733	3.66	3.19	
2001	Slovak Rep.	Slovak	41615	291	4247	4399	4.15	3.32	408

⁴ Closed lactations having length greater than 200 d; conventional 305 d yields

4.4 Main breeds – Cows in herdbook

Year	Country	Breed	Number of lactations	Lenght 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)
		simmental							
2001	Slovak Rep.	Holstein	14868	296	6367	6512	4.13	3.31	417
2001	Slovak Rep.	Slovak pinzgauer	5362	288	3486	3641	4.03	3.34	402
2001	Slovenia	Simmental	24747	342	5042	4588	4.22	3.39	408
2001	Slovenia	Black & White	18484	357	7699	6860	4.07	3.28	423
2001	Slovenia	Brown	13109	349	5676	5118	4.16	3.38	415
2001	South Africa	Holstein	37463	296		8219	3.47	3.12	426
2001	South Africa	Jersey	27212	295		5122	4.49	3.59	404
2001	South Africa	Ayrshire	3432	292		5954	3.76	3.24	430
2001	Spain	Frisona	246978	334	8919	8167	3.64	3.13	394
2001	Spain	Parla alpina	1722	298	6392	6293	3.65	3.15	408
2001	Switzerland	Braunvieh	153482	300	6159	6236	3.94	3.31	399
2001	Switzerland	Fleckvieh	162364	326	6858	6485	4.0	3.22	383
2001	Switzerland	Holstein	43810	300	7274	7395	3.92	3.18	409
2001	Switzerland	Eringer	5149	192	2179	3261	3.69	3.37	
2001	Switzerland	Jersey	665	299	4503	4593	5.52	3.80	386
2001	Switzerland	Hinterwälder	73	299	3570	3045	4.06	3.43	
2001	The Netherlands	B&W	784485	347	9035	8311	4.35	3.43	405
2001	The Netherlands	R&W	236604	342	7642	7325	4.52	3.54	390
2001	Tunisia	Holstein	13642	325	6192	6281	3.34	3.15	424
2001	Tunisia	Brown swiss	101	300	4270	4300	3.41	3.30	428
2001	Tunisia	Tarentais	58	243	3680	4790	3.10	3.38	361
2001	Tunisia	Montbeliarde	30	320	5664	5868			359
2001	Tunisia	Fleickvieh	188	296	4219	4233	3.68	3.38	364
2001	Turkey	HF	21331	385	6674	5916	3.37		
2001	Turkey	BS	1817	359	5561	5140	3.30		
2001	Turkey	SM	420	393	5242	4706	3.33		
2001	UK (Jersey)	Jersey	3748			4663	5.10	3.73	388

4.4 Main breeds – Cows in herdbook

Year	Country	Breed	Number of lactations	Lenght 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)
2001	USA ⁵	Brown Swiss	7695	305		8794	4.06	3.34	
2001	Wales ⁶	Jersey	97	303	3833	3589	5.40	3.84	381
2001	Wales ⁶	Holstein Friesian	3580	334	7655	6853	4.03	3.24	410

⁵ BSCBA

⁶ Homebred only

4.4 Main breeds – Cows in herdbook

YEAR 2002

Year	Country	Breed	Number of lactations	Lenght 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)
2002	Argentina	Holstein	3551	348	6587	7007	3.50	2.97	465
2002	Austria	Fleckvieh	215400	298		6074	4.18	3.44	
2002	Austria	Braunvieh	54866	300		6467	4.12	3.40	
2002	Austria	Holstein	23461	301		7872	4.15	3.28	
2002	Austria	Pinzgauer	8443	298		5089	3.88	3.28	
2002	Austria	Grauvieh	2843	295		4604	3.90	3.26	
2002	Belgium (Wallonia Region) ⁷	All							
2002	Czech Rep.	F Fleckvieh	166825	294	5662	5820	4.23	3.47	398
2002	Czech Rep.	Holstein	154340	298	7223	7350	4.03	3.34	411
2002	Denmark	Red Danish	48560		7553		4.21	3.56	
2002	Denmark	Danish Holstein	390832		8405		4.09	3.36	
2002	Denmark	Jersey	67373		5824		5.92	4.07	
2002	Denmark	Red Holstein	5220		7451		4.25	3.44	
2002	Denmark	Ayrshire	155		7763		4.35	3.49	
2002	England ⁸	Holstein Friesian	43868	342	8703	7686	3.97	3.27	408
2002	England ⁸	Ayrshire	552	318	6028	5573	4.06	3.36	3.97
2002	England ⁸	Jersey	1068	314	5152	4683	5.56	3.89	389
2002	England ⁸	Guernsey	189	252	4670	4370	4.79	3.46	404
2002	Estonia	Estonian Holstein	38375	342	6592	6471	4.20	3.24	406
2002	Estonia	Estonian Red	16715	331	5405	5298	4.39	3.35	402

⁷ All cows in milk recording = all cows in herdbook

⁸ Homebred only

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)
2002	France	Prim'Holstein	2040966	322	7729	6951	4.06	3.32	
2002	France	Montbéliarde	383962	293	6132	5787	3.89	3.41	
2002	France	Normande	296282	296	5461	5102	4.34	3.58	
2002	France	Abondance	19334	290	5044	4815	3.72	3.44	
2002	France	Simmental Française	14066	290	5314	5037	3.99	3.49	
2002	France	Brune	16212	318	6445	5825	4.12	3.52	
2002	France	Pie Rouge des Plaines	10634	296	6414	6034	4.22	3.41	
2002	France	Tarentaise	7514	273	4050	3942	3.57	3.36	
2002	Germany	Holstein-Schwarzbunt	1492613	321	8092	8074	4.13	3.37	398
2002	Germany	Holstein-Rotbunt	161297	319	7546	7465	4.23	3.35	394
2002	Germany	Holstein-Rotbunt	161297	319	7546	7465	4.23	3.35	394
2002	Germany	Fleckvieh	642091	315	6469	6330	4.13	3.48	390
2002	Germany	Braunvieh	6534	315	5606	6671	4.19	3.57	408
2002	Germany	Braunvieh	159233	319	6784	6671	4.19	3.57	408
2002	Germany	Braunvieh	159233	319	6784	6671	4.19	3.57	408
2002	Germany	Gelbvieh	6534	315	5606	5617	4.13	3.48	395
2002	Hungary	Hungarian Red Spotted	5639	292	5136	5306	4.00	3.45	409
2002	Hungary	Hungarian Holstein Friesian	167728	298	7604	7738	3.74	3.28	426
2002	Ireland ⁹	Holstein Friesian	77570	280	6739		3.72.	3.31.	

⁹ Other breeds are numerically so few (less than 5% of all recorded cows), that it was decided to give information only for the Holstein Friesian Herd book.

4.4 Main breeds – Cows in herdbook

Year	Country	Breed	Number of lactations	Lenght 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)
2002	Italy ¹⁰	Italian friesian (frisona italiana)	684345	305	8571	8571	3.56	3.24	
2002	Italy ¹⁰	Italian brown (Bruna italiana)	89128	305	6283	6283	3.91	3.46	
2002	Italy ¹⁰	Italian red spotted (Pezzata rossa italiana)	31310	305	5946	5946	3.89	3.42	
2002	Italy ¹⁰	Valdostana red spotted (Valdostana pezzata rossa)	11622	305	3533	3533	3.53	3.26	
2002	Italy ¹⁰	Grey of alps (Grigio alpina. grauvieh)	6259	305	4730	4730	3.77	3.38	
2002	Italy ¹⁰	Jersey	3449	305	5424	5424	5.43	4.03	
2002	Italy ¹⁰	Modicana	2499	305	3218	3218	3.53	3.48	
2002	Japan	Holstein	299019	356	9842	9094	3.97	3.27	430
2002	Japan	Jersey	1665	342	6227	5774	4.90	3.86	409
2002	Latvia	Latvia Brown	2215			4828	4.64	3.31	
2002	Latvia	Holstein Black&White	1220			6263	4.29	3.13	
2002	Luxembourg	Holstein-Schwarzbunt	13571		7659		4.18	3.38	402
2002	Luxembourg	Holstein-Rotbunt	4754		6863		4.37	3.44	391
2002	Luxembourg	Jersey	40		5139		5.95	4.03	415
2002	Luxembourg	Fleckvieh	149		6424		4.17	3.47	382
2002	México	Holstein	40967	365	8225	n.a.	3.56	3.23	441
2002	New Zealand	Friesian	89259	246	5116	5988	4.19	3.49	
2002	Norway	NRF Norwegian cattle	233997	239	6190	4945	4.14	3.27	384

¹⁰ Closed lactations having length greater than 200 d; conventional 305 d yields

4.4 Main breeds – Cows in herdbook

Year 2002	Country Poland	Breed Black and white	Number of lactations 149822	Lenght of the lactations (days) 305	Milk yield per recorded cow (kg) 6070	Milk per cow in 305 days (kg) 6070	Percent of fat content (%) 4.18	Percent of protein content (%) 3.28	Calving interval (days)
2002	Poland	Red and white	7274	305	6032	6032	4.16	3.29	
2002	Portugal	Holstein Frisia	38174	355	9165	8037	3.67.	3.22.	
2002	Slovak Rep.	Slovak Simmental	33384	292	4446	4582	3.97	3.29	407
2002	Slovak Rep.	Holstein	16078	297	6876	7015	3.88	3.24	415
2002	Slovak Rep.	Slovak Pinzgauer	4881	289	3618	3761	3.91	3.31	404
2002	Slovenia	Simmental	27168	342	5123	4689	4.26	3.39	414
2002	Slovenia	Black & White	21970	359	7739	6914	4.11	3.28	430
2002	Slovenia	Brown	14322	349	5703	5161	4.19	3.37	424
2002	South Africa	Holstein	34603	296		8388	3.48	3.15	430
2002	South Africa	Jersey	27477	295		5275	4.49	3.63	407
2002	South Africa	Ayrshire	3797	292		6105	3.78	3.24	431
2002	Spain	Frisona	332226	337	9232	8400	3.64	3.14	393
2002	Spain	Parda Alpina	1642	299	5917	6429	3.79	3.41	403
2002	Switzerland	Braunvieh	149167	300	6374	6454	4.0	3.31	404
2002	Switzerland	Fleckvieh	164781	328	6989	6601	3.99	3.24	385
2002	Switzerland	Holstein	44386	300	7443	7567	3.94	3.17	409
2002	Switzerland	Eringer	5123	180	2088	3325	3.64	3.46	
2002	Switzerland	Jersey	814	298	4809	4921	5.55	3.87	384
2002	Switzerland	Hintwälder	104	303	3510	3353	4.14	3.5	
2002	The Netherlands	B&W	778664	354	9117	8270	4.40	3.47	408
2002	The Netherlands	R&W	210730	335	7734	7242	4.58	3.56	392
2002	Tunisia	Holstein	12921	330	6226	6261	3.41	3.18	417
2002	Tunisia	Brown Swiss	216	313	4420	4351	3.43	3.42	400
2002	Tunisia	Tarentais	61	244	3718	5178	3.58	3.18	383
2002	Tunisia	Montbeliarde	30	339	6529	6308	3.37	3.38	439
2002	Tunisia	Fleickvieh	238	322	4774	4381	3.85	3.52	390

4.4 Main breeds – Cows in herdbook

Year	Country	Breed	Number of lactations	Lenght 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)
2002	Turkey	HF	31270	349	6421	5771	3.39		395.0
2002	Turkey	BS	2373	359	5561	4927	3.30		394.3
2002	Turkey	SM	794	393	5242	4420			
2002	UK (Jersey)	Jersey	3685			4550	5.22	3.75	389
2002	USA ¹¹	Brown Swiss	8065	305		8331	4.05	3.33	
2002	USA ¹²	Jersey							
2002	Wales ¹³	Holstein Friesian	7154	334	7924	7073	4.05	3.29	410
2002	Wales ¹³	Jersey	237	305	4476	4198	5.42	3.87	388

¹¹ BSCBA

¹² 377808 living registered cows

¹³ Homebred only