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cesare mosconi (mosconi@icar.org)

Results for the years 2010 - 2011



Yearly enquiry on the situation of **COW MILK RECORDING** in ICAR member countries

INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING

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Table 1 - National Milk Production (Years 2010 and 2011)

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 (%)
2010	Australia	1,596,000	7,511	212	5,448	4.15	3.34
2011	Australia	1,600,000	6,883	232	5,699	4.10	3.35
2011	Austria	528,761	44,599	11.9			
2010	Austria	532,735	47,238	11.3	6,100	4.07	3.33
2011	Belgium (Flemish Region) ¹	151,583	2,636	57.5	8,327	4.17	3.44
2010	Belgium (Flemish Region) ²	152,297	2,740	55.6	8,175	4.18	3.42
2011	Belgium (Wallonia Region)	212,578					
2010	Belgium (Wallonia Region)	214,695	4,644	46.2	6,371	4.06	3.33
2010	Bulgaria	326,800	76,200	4.2	3,440	3.78	3.25
2010	Canada	981,000	12,965	75.7	8,642	3.84	3.22
2011	Canada	987,000	12,746	77.4	8,740	3.89	3.24
2011	Chile	398,600	12,800	31	5,277	3.57	3.35
2010	Chile	435,200	17,600	25	4,356	3.58	3.35
2011	Croatia	193,951	17,366	11.2	3,970	4.00	3.28
2010	Croatia	194,044	19,937	9.7	3,963	3.99	3.32
2010	Cyprus	23,421	219	107	6,440	3.60	3.35
2011	Czech Republic	373,705			7,320	3.88	3.38
2010	Czech Republic	378,415			7,090	3.86	3.37
2010	Denmark	576,000	4,100	140	8,750	4.30	3.45
2011	Denmark	575,000	3,900	147	8,400	4.27	3.45
2011	Estonia	95,728	3,794	25.2	7,136	4.10	3.40
2010	Estonia	96,055	4,349	22.1	6,977	4.10	3.30
2011	Finland	284,100	10,239	27.7	8,319	4.26	3.46
2010	Finland	287,200	10,920	26.3	8,349	4.26	3.48
2011	France	3,686,042			6,652	3.97	3.39
2010	France	3,728,555	75,766	49.2	6,244	4.03	3.41

¹ 633 kgs f+p

² 622 kgs f+p

Table 1 - National Milk Production (Years 2010 and 2011)

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 (%)
2010	Germany ³	4,181,679	91,550	45.7	7,113	4.16	3.41
2010	Greece	145,000	8,000	18.1	5,241		
2010	Hungary	240,000	16,000	15.0	6,696	3.72	3.29
2011	Hungary	251,000	14,120	17.0	6,800	3.67	3.31
2010	Israel	101,393	671	151	11,667	3.63	3.20
2010	Japan ⁴	932,900	20,300	46	8,141		
2011	Korea	228,971	6,068	37.7			
2010	Korea	241,281	6,347	38.0	8,574	4.04	
2010	Latvia	164,120	30,562	5.4	4,998		
2011	Latvia	164,145	27,697	5.9	5,064		
2011	Lithuania	340,996	83,274	4			
2010	Lithuania	353,858	94,217	3.7			
2011	Israel	107,116	670	159.9	11,775	3.66	3.24
2010	New Zealand	4,528,736	11,735	386	3,951	4.80	3.64
2011	Norway	240,500	10,952	22	7,132	4.18	3.37
2010	Norway	244,700	11,527	21	7,125	4.24	3.38
2011	Poland	2,445,901	409,235	5.9	4,980	4.01	3.21
2010	Poland	2,528,827	450,302	5.6	4,841	4.03	3.24
2010	Portugal	76,849	1658	46.4	9,246	3.63	3.32
2011	Portugal	291,729	12,883	22.6	6,297		
2010	Portugal	300,509	14,656	20.5	6,070	3.80	
2011	Scotland	11,795	42	280	9,720	3.85	3.26
2011	Slovak Republic	152,582			5,946	3.80	3.33
2010	Slovak Republic	156,626			5,692	3.81	3.32
2011	Slovenia	105,000	7,650	134	5,120	4.06	3.33
2010	Slovenia	105,716	7,859	14	4,888	4.05	3.32
2010	Slovenia	106,483	8,191	13.0	5,028	4.08	3.33
2010	South Africa	540,000	2,713	199	5,190	4.08	3.35
2011	Spain	852,550	23,279	367	7,540		
2010	Spain	858,872	22,757	37.7	6,873	3.68	3.24

³ Production estimates

⁴ Total number of cows and herds, on the 1st Feb 2011

Table 1 - National Milk Production (Years 2010 and 2011)

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 (%)
2011	Sweden	346,500	5,341	66	8,332	4.20	3.41
2010	Sweden	348,100	5,460	62	8,329	4.23	3.36
2010	Switzerland	700,315	37,822	19	6,851	4.08	3.29
2010	The Netherlands ⁵	1,292,378	16,419	79	8,344	4.38	3.53
2011	The Netherlands ⁵	1,302,601	16,180	81	8,387	4.40	3.54
2010	Turkey	4,361,840	2,074,439	2.1	2,847		
2010	UK - England	196,406	1,184	165	8,007	4.09	3.3
2011	UK - England	205,772	1,221	168	8,112	4.12	3.28
2011	UK - England & Wales	684,561	4,484	153	9,490	4.00	3.29
2010	UK - England & Wales	709,504	4,664	152	9,310	4.00	3.28
2011	UK - Jersey	2,881	27	106	4,304	5.15	3.82
2010	UK - Jersey	2,963	28	105	4,338	5.20	3.84
2010	UK - Northern Ireland	90,832	690	131	6,923	4.10	3.33
2011	UK - Northern Ireland	96,131	712	135	7,040	4.08	3.3
2011	UK - Scotland	103,303	584	176	7,871	4.01	3.26
2010	UK - Scotland	103,562	603	171	7,793	3.97	3.28
2010	UK - Wales	24,415	164	148	7,632	4.15	3.29
2011	UK - Wales	26,240	175	149	7,784	4.20	3.29
2010	Uruguay ⁶	296,000	4,500	66	5,966	3.67	3.26
2010	USA ⁷	9,117,000	53,127		9,593	3.66	
2011	USA ⁷	9,194,000	51,481		9,682	3.66	

⁵ 666 kgs f+p

⁶ Source: MGAP/DIEA

⁷ USDA-NASS

Table 2 - Position of milk recording (Methods and Organisations) (Years 2010 and 2011)

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
2010	Argentina	519,285		2,053		253					
2011	Argentina	523,527		2,018		260					
2011	Australia	705,590	44	3,359	49	210					
2010	Australia	724,269	45	3,503	47	207					
2010	Austria	394,787	74.2	23,177	49.0	17.0				100	
2011	Austria	399,095	75.5	22,670	50.8	17.6				100	
2010	Belgium (Wallonia Region) ¹	70,016	32.6	1,057	22.8	66.2	0	55	34.8	6.2	1.23
2011	Belgium (Wallonia Region) ²	71,276	33.5	1,042		68.4	0	52.3	33.3	9.9 (AT4 + AT6)	1.25 (B4)
2011	Belgium Flanders	151,583	30.8	2,636		57.5		60.3	39.6		
2010	Belgium Flanders	152,297	30.4	2,740	39.7	55.6		62.1	37.9		
2010	Canada	706,029	72.0	9,767	75.3	72.3					
2011	Canada	720,510	75	9,672	75.8	74.5					
2010	Chile	142,800	32.8	640	3.6	223		47.9		33.5	18.6
2011	Chile	156,100	39.1	715	4.2	218		48.2		32.2	19.6
2010	Croatia	106,585	54.9	7,427	37.3	6.97				58.5	41.5
2011	Croatia	109,865	56.6	7,017	40.4	6.39				61.0	39
2011	Czech Republic	354,299	94.8	1,593		222		99.4		0.6	
2010	Czech Republic	357,658	94.5	1,782		201		99.4		0.6	
2010	Denmark	522,000	91	3,700	90	143	0	10	0	0	90
2011	Denmark	531,000	92	3,475	90	151	0	10	0	0	90
2010	Estonia	88,414	92.0	1,024	23.5	86.3					100
2011	Estonia	88,984	93.0	931	24.5	95.6					100
2010	Finland	228,346	79.5	7,829	71.7	29.2					
2011	Finland ³	227,481	83.1	7,383	72	30.8					

¹ 2.74 (R4/R6)

² 3.26 (R4 + R6)

³ C4

Table 2 - Position of milk recording (Methods and Organisations) (Years 2010 and 2011)

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
2011	France ⁴	2,540,158	69	52,845		48.1		37.7	6.9	AT4=10.7%; AT5=5.3%; AT6=2.2%; AT7=0.7%	B4-5-6-7-8=5.6%; BT4-5-6-7=0.2%; BR4-5-6-7-8=3.1%; BZ4-5-6-7=0.3%
2010	France ⁵	2,498,989	66	53,733	66	46.5		39.3	7.1	AT4=10.9%; AT5=5.3%; AT6=2.1%; AT7=0.5%	B4-5-6-7-8=4.9%; BT4-5-6-7=0.1%; BR4-5-6-7-8=2.6%; BZ4-5-6-7=0.3 %
2010	Germany	3,493,812	84.2	59,064	67.1	59.2		41.2		26.3	30.2
2010	Greece	43,610	30.1	424	5.3	102.9		100			
2011	Hungary	172,527	68.7	483	3.4	357		100			
2010	Hungary	177,982	74.2	503	3.1	354		100			
2010	Italy	1,363,556		20,208		67.5		3 (A4+A6)		96.5	
2011	Italy	1,387,679		19,865		69.9		1.9	0.2	97.4	
2010	Japan ⁶	555,521	59.5	9,707	47.8	57.2		47.5		51.6	0.9
2011	Korea	141,266	61.7	3,287	54.2	43.0		100			
2010	Korea	146,350	60.7	3,504	55.2	41.8		100			
2010	Latvia	119,043	72.5	6,244	20.4	19.1					
2011	Latvia	121,233	73.8	5,624	20.3	18.6					
2011	Lithuania ⁷	145,693	42.7	5,024	6	29		1		58	25
2010	Lithuania ⁸	150,134	42.4	5,585	6	26		1		60	16
2011	Luxembourg	33,656	84.1	631	80.8	53.3		15.3		27.5	46.3
2010	Luxembourg	34,082	84.2	644	80	52.9		15.7		27.0	48.1
2010	New Zealand	3,186,443	70.4	8,409	73.9	379				21.40	78.6
2011	Norway	197,800	98	8,935	98	22					100
2010	Norway	205,400	98	9,591	98	21					100
2010	Poland ⁹	598,402	23.9	19,323	4.3	31.0		15.9		73.12	
2011	Poland ¹⁰	625,015	25.9	19,605	4.8	31.9		15.3		75.04 (AT4)	
2010	Portugal	88,740	29.5	1,558	10.6	57.0		37.7		62.3	
2010	Portugal	88,740	29.5	1,558	10.6	57.0		37.7		62.3	

⁴ A5=16,9 %, A7=5,4 %, A8=1,3 %, AR4-5-6-7-8=1,5 %, CZ4-5-6-7=2,4 %

⁵ A5=17,9 %, A7=4,2 %, A8=1,1 %, AR4-5-6-7-8=1,2 %, CZ4-5-6-7=2,4 %

⁶ B=B4

⁷ Ct - 13%; C4 - 3%

⁸ Ct - 20%; C4 - 3%

⁹ % of recorded herds per method A8-10,96; % of recorded cow per method: A4 - 28,38; AT4 - 64,85, A8 - 6,77

¹⁰ % of recorded herds per method A8-9,69; % of recorded cow per method: A4 - 28,10; AT4 - 65,80, A8 - 6,10

Table 2 - Position of milk recording (Methods and Organisations) (Years 2010 and 2011)

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
2010	Slovak Republic	13,3921	85.1	570		223		2.4		97.58	
2011	Slovak Republic	125,320	80.2	539		233		2		98.04	
2011	Slovenia	83,450	79.5	4,520	59.1	18.5				100	
2010	Slovenia ¹¹	83,019	78.0	4,706	57.5	17.6				100	
2010	Slovenia ¹²	83,172	78.7	4,561	58.0	18.2				100	
2010	South Africa	126,093	23	607	22	207					100
2011	Spain	516,943		7,921		65.26		9.9		90	0.2
2010	Spain	518,420	60.4	8,206	36.1	63.17		29.7		70.23	0.2
2011	Sweden	287,606	83	4,023	75	68.4					B4: 100
2010	Sweden	290,045	84	4,302	79	64.1					B4:100
2010	Switzerland	455,493	100	24,427	100	18.6	0	45.6	0	54.4	0
2011	Switzerland	459249	100	24,467	100	18.8	0	43.7	0	56.3	0
2010	The Netherlands	1,292,378	87.5	16,419	84.1	78.7	1.3	49.9	42.1		
2011	The Netherlands	1,302,601	88.6	16,180	85.0	80.5	1.2	48.1	43.8		
2010	Turkey	1,172,190	28.4	97,373	4.7	12.04	0	0	0	0	100
2011	Turkey	1,666,003	38.2	129,956	6.3	12.82	0	0	0	0	100
2010	UK - England	196,406		1,184		165		33	8	20	38
2011	UK - England	205,772		1,221		168		33	8	22	36
2011	UK - England & Wales	450,118	65.7	4,590		153	0.05	78.5	2.4	42.5	17.1
2010	UK - England & Wales	452,552	63.8	4,742		152	0.04	77.9	2.4		17.3
2011	UK - Jersey	2,881		27		106		37	0	48	15
2010	UK - Jersey	2,963		28		105		82	0	18	0
2010	UK - Northern Ireland	90,832		690		131		44	5	27	14
2011	UK - Northern Ireland	96,131		712		135		41	6	30	15
2011	UK - Scotland	103,303		584		176		65	5	13	14
2010	UK - Scotland	103,562		603		171		67	6	12	13
2011	UK - Scotland	6,214	52.7	43		280	0	66.6	2.6	38.4	30.8

¹¹ AT4 method

¹² AT4 method

**Table 2 - Position of milk recording (Methods and Organisations) (Years 2010 and 2011)**

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
	(by NMR)										
2010	UK - Wales	24,415		164		148		24	5	26	44
2011	UK - Wales	26,240		175		148		26	5	26	41
2010	USA ¹³	4,349,798		20,873		208		25.7		74.3	
2011	USA ¹³	4,414,429		22,684		195		26		74	

¹³ DHI Participation

Table 3 - Costs and financing (Years 2010 and 2011)

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	Notes
2010	Argentina					100	100	100		C: 100
2011	Argentina					100	100	100		C: 100
2010	Austria			49.5				60.3		
2010-2011	Belgium (Wallonia Region) ¹									
2010	Chile	15.7		12.3	10.9	100		100	35	
2011	Chile	16.9		13.1	11.7	100		100	35	
2010	Croatia			35	30			50	50	
2011	Croatia			35	30			50	50	
2010	Czech Republic	48.0		39.0						
2011	Czech Republic	46.0		39.0						
2010	Denmark	80			50	100			100	
2011	Denmark	80			50	100			100	
2010	Estonia				20.6				80.0	
2011	Estonia				17.4				80.0	
2010	France	46.4	46.4	39.6	35.6	100	100	100	100	
2010	France	46.4	46.4	39.6	35.6	100	100	100	100	
2011	France	47.4	47.4	40.4	36.3	100	100	100	100	
2010	Greece	30.7				29.7				
2010	Hungary	41.8				100				
2011	Hungary	34.4				100				
2010	Italy	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	
2011	Italy	Not available	Not available	Not available	Not available	Not available	Not available	Not available	Not available	

¹ All methods: depends on many factors: time on farm tru-tests or not number of samples etc... if interested please contact: jeanfrancois.duckertsatpw.wallonie.be

Table 3 - Costs and financing (Years 2010 and 2011)

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	Notes
2010	Latvia	6.24			6.24	0			0	
2011	Latvia	6.60			6.60				0	
2010	Lithuania	23.7		26.2	Bt, B4 - 8,7	32.9		39.1	Bt, B4 - 30	Ct - 11,4 €; C4 - 11,9 €
2011	Lithuania	25.5		28.4	Bt, B4 - 11	31.8		38.8	Bt - 30.5; B4 - 34.2	Ct - 13,3 €; C4 - 13,9 €
2010	New Zealand				14.25				NZ has no subsidies 100% cost price paid by producer	
2010	Norway				72				100	
2011	Norway				70				100	
2010	Slovenia			110				20		
2010	Slovenia			110				20		
2011	Slovenia			110				10 - 20		
2010	Spain	127.3 (milk kg)-37€		37 (milk kg)-37€		70		70		
2010	Sweden				B4: 48 kg milk				100	
2011	Sweden				B4: 40 kg of milk				100	
2010	Switzerland	66		45.75		31.8		31.8		
2011	Switzerland	66	-	45.75	-	31.8	-	31.8	-	
2010	The Slovak Republic	32.8		25.0		30		30		
2011	The Slovak Republic	60		44		30		30		
2010	Turkey	0	0	0	16.5	0	0	0	100	
2011	Turkey	0	0	0	15.6	0	0	0	100	

Table 3 - Costs and financing (Years 2010 and 2011)

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	Notes
2010	UK - England									
2011	UK - England									
2010	UK - Northern Ireland					100	100	100	100	
2011	UK - Northern Ireland					100	100	100	100	
2010	UK - Scotland					100	100	100	100	
2011	UK - Scotland					100	100	100	100	
2011	UK - Wales									
2001-2011	USA					100		100	100	

Table 4.1 - All breeds together - All recorded cows (Years 2010 and 2011)

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)
2010	Australia	522,869	323	6,680	6,680	4.00	3.30	
2011	Australia	518,675	323	6,813	6,813	4.00	3.30	
2010	Austria	328,035	299		6,841	4.12	3.38	399
2011	Austria	333,191	299		6,942	4.13	3.39	
2010	Belgium (Wallonia Region)	49,245	359	8,442	7,456	4.03	3.35	421
2010	Belgium (Wallonia Region)	49,245	359	8,442	7,456	4.03	3.35	421
2011	Belgium (Wallonia Region)	49,714	359	8,758	7,717	4.00	3.37	
2011	Belgium (Wallonia Region)	49,714	359	8,758	7,717	4.00	3.37	420
2010	Belgium Flanders ¹	94,220	357	9,249		4.20	3.39	421
2011	Belgium Flanders ²	93,725	359	9,378		4.16	3.42	420
2010	Canada	298,068	305		9,768	3.79	3.21	432
2011	Canada	303,045	305		9,774	3.84	3.22	431
2010	Chile	107,532	342	7,782	8,149	3.55	3.37	403
2011	Chile	142,756	343	8,014	8,455	3.57	3.35	405
2010	Croatia	71,300			5,664	3.99	3.32	431
2011	Croatia	65,587			5,704	4.00	3.28	437
2010	Czech Republic	291,595	297	7,726	7,882	3.84	3.34	410
2011	Czech Republic	286,000	297	7,811	7,968	3.87	3.37	407
2010	Denmark	521,576	365	9,079		4.30	3.45	
2011	Denmark	531,000	365	8,919		4.32	3.45	
2010	England	208,005	342	9,335	8,118	3.99	3.22	429
2010	Estonia	88,438	336	7,613	7,697	4.05	3.31	422
2011	Estonia	88,967	342	7,756	7,795	4.06	3.35	425

¹ 702 kgs f+p

² 711 kgs f+p

Table 4.1 - All breeds together - All recorded cows (Years 2010 and 2011)

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)
2010	Finland	228,346	305	8,886	8,944	4.19	3.43	414
2011	Finland	227,481	305	8,854	8,942	4.15	3.39	417
2010	France	2,498,989	341	8,221	7,180	3.99	3.38	416
2011	France	2,540,158	338	8,395	7,304	3.99	3.42	419
2010	Germany	3,468,951	320	8,091	7,993	4.14	3.43	405
2010	Greece	25,256	330	9,683,12	7,764,69	3.84	4.03	423
2010	Hungary	134,931	298	8,660		3.57	3.27	440
2011	Hungary	129,548	299	8,592		3.61	3.29	437
2010	Israel	67,895	355	12,968	11,542	3.61	3.19	415
2011	Israel	72,366	362	13,279	11,640	3.62	3.22	424
2010	Italy	837,633	305	8,435	8,435	3.69	3.33	
2010	Japan	378,787	364	10,321	9,274	3.98	3.29	433
2010	Korea	359,203	305		9,638	3.79	3.14	450
2011	Korea	246,900	305		9,672	3.76	3.18	451
2010	Latvia	92,340	368	5,987	5,960	4.30	3.28	
2011	Latvia	93,859	375	6,128	6,127	4.30	3.26	
2010	Lithuania	119,737	305	6,209	6,166	4.35	3.34	418
2011	Lithuania	95,719	305	6,392	6,255	4.36	3.37	421
2010	Luxembourg	34,082		7,572		4.17	3.41	422
2011	Luxembourg	33,656		7,881		4.14	3.40	423
2010	New Zealand	2,386,460	222	4,032	5,092	4.63	3.66	370
2010	Norway	151,900	300	7,125	6,800	4.21	3.37	381
2011	Norway	149,519	299	7,132	6,847	4.20	3.37	381
2010	Poland	598,402	305	6,980	6,980	4.18	3.35	430
2011	Poland	625,015	305	7,135	7,135	4.13	3.30	434
2010	Portugal	76,849			9,246	3.63	3.32	
2010	Slovenia	81,410	364	6,877	6,062	3.97	3.30	417
2010	Slovenia	81,410	364	6,877	6,062	3.97	3.30	417
2011	Slovenia	81,734	364	6,942	6,110	3.99	3.32	418
2010	South Africa	125,152	330	6,417	6,417	4.27	3.50	425
2010	Spain	336,399	370,7	10,826	9,251	3.66	3.25	405
2010	Sweden	290,045	365	9,221		4.20	3.43	406
2011	Sweden	287,606	365	9,210		4.21	3.46	407
2010	Switzerland	347,587	300	7,210	7,257	4.03	3.19	401
2011	Switzerland	346,636	317	7,573	7,358	4.03	3.31	402

Table 4.1 - All breeds together - All recorded cows (Years 2010 and 2011)

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)
2010	The Netherlands	867,740	353	9,400		4.34	3.52	418
2011	The Netherlands	852,797	355	9,537		4.36	3.53	417
2010	The Slovak Republic	95,111	296	6,739	6,892	3.97	3.29	429
2011	The Slovak Republic	89,127	296	6,769	6,923	3.95	3.29	426
2011	UK - England	220,136	338	9,423	8,213	3.97	3.20	428
2010	UK - England & Wales	457,789	361	9,310	8,290	4.00	3.28	420
2011	UK - England & Wales	457,638	359	9,490	8,470	4.00	3.29	418
2010	UK - Jersey	3,264	318	4,932	4,530	5.17	3.77	412
2011	UK - Jersey	3,145	322	5,191	4,762	5.12	3.72	405
2010	UK - Northern Ireland	88,618	331	8,082	7,127	4.08	3.27	420
2011	UK - Northern Ireland	91,468	331	8,449	7,433	4.02	3.24	420
2010	UK - Scotland	111,804	336	8,951	7,855	3.86	3.18	427
2011	UK - Scotland	6,290	344	9,720	8,760	3.85	3.26	406
2011	UK - Scotland	112,073	335	9,133	8,024	3.85	3.15	427
2010	UK - Wales	24,769	345	8,904	7,710	4.10	3.22	430
2011	UK - Wales	28,363	337	8,911	7784	4.07	3.20	430
2010	USA ³	4,349,798	305	10,218	10,218	3.67	3.09	
2011	USA ³	4,414,429	305	10,289	10,289	3.72	3.10	

³ DHI Herd Averages

Table 4.2 - All breeds together - Cows in herdbook (Years 2010 and 2011)

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)
2010	Australia	81,111	344	7,512		4.02	3.32	
2011	Australia	76,552	342	7,586		3.99	3.32	
2010	Austria	316,865	299		6,867	4.12	3.38	
2011	Austria	321,700	299		6,970	4.13	3.39	
2010-2011	Belgium (Wallonia Region) ¹							
2010	Belgium Flanders ²	71,305	359	9,494		4.18	3.40	421
2011	Belgium Flanders ²	69,294	358	9,640		4.15	3.42	420
2010	Czech Republic	275,959	297	7,810	7,967	3.85	3.35	409
2011	Czech Republic ³	273,085	297	7,898	8,057	3.87	3.38	407
2010	Denmark	521,576		9,079		4.30	3.45	
2011	Denmark	531,000	365	8,919		4.32	3.45	
2010	Estonia	75,595	342	7,794	7,871	4.04	3.31	422
2010	Estonia	75,595	342	7,794	7,871	4.04	3.31	422
2011	Estonia	76,397	348	7,940	7,962	4.05	3.35	348
2011	Estonia	76,397	348	7,940	7,962	4.05	3.35	426
2010	Finland	36,085	305		9,834	4.09	3.40	
2011	Finland	35,701	305		9,787	4.07	3.37	
2010	France	2,498,989	341	8,221	7,180	39.9	33.8	416
2011	France	2,540,158	338	8,395	7,304	3.99	3.42	419
2010	Germany	2,538,825	321	8,365	8,241	4.12	3.44	408
2010	Greece	21,989	402	9,934	8,468	3.84	4.03	425
2010	Italy	837,633	305	8,435	8,435	3.69	3.33	
2011	Italy	854,590	305	8,474	8,474	3.70	3.33	
2010	Japan	329,994	363	10,319	9,357	3.99	3.29	432
2010	Latvia	24,670	361		6,880	4.36	3.32	
2011	Latvia	29,607	366		6,960	4.28	3.29	

¹ All cows in milk recording = All cows in herdbook (main + supplementary sections).

² 720 kgs f+p

³ (Holstein, Fleckvieh).

Table 4.2 - All breeds together - Cows in herdbook (Years 2010 and 2011)

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)
2010-2011	New Zealand ⁴							
2010-2011	Norway ⁵							
2010	Poland	457,194	305	7,007	7,007	4.11	3.28	
2011	Poland	474,298	305	7,103	7,103	4.08	3.25	
2010	Slovenia	81,410	364	6,877	6,062	3.97	3.30	417
2010	Slovenia	81,410	364	6,877	6,062	3.97	3.30	417
2010	Slovenia	81,734	364	6,942	6,110	3.99	3.32	418
2010	South Africa	69,529				4.18	3.44	
2010	Spain	336,399	371	10,826	9,251	3.66	3.25	405
2010-2011	Sweden ⁶							
2010	Switzerland	347,587	300	7,210	7,257	4.03	3.32	401
2011	Switzerland	346,636	317	7,573	7,358	4.03	3.31	402
2010	The Netherlands	764,715	354	9,515		4.34	3.52	418
2011	The Netherlands	747,437	355	9,658		4.37	3.53	417
2010	Turkey	197,603	356	6,947	5,915			424
2010	UK - England	161,690	344	9,594	8,326	4.00	3.19	431
2011	UK - England	168,205	340	9,698	8,437	3.97	3.19	429
2010	UK - England & Wales	223,068	364	9,730	8,630	4.03	3.27	423
2011	UK - England & Wales	220,451	361	9,930	8,820	4.02	3.27	420
2010	UK - Jersey	3,264	318	4,932	4,530	5.17	3.77	412
2011	UK - Jersey	3,145	322	5,191	4,762	5.12	3.72	405
2010	UK - Northern Ireland	47,470	337	8,703	7,638	4.08	3.25	429
2011	UK - Northern Ireland	48,897	337	9,084	7,956	4.01	3.22	427

⁴ 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.

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

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

**Table 4.2 - All breeds together - Cows in herdbook (Years 2010 and 2011)**

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)
2010	UK - Scotland	63,544	342	9,472	8,261	3.90	3.18	432
2011	UK - Scotland	63,982	341	9,625	8,396	3.88	3.17	431
2011	UK - Scotland	1,348	355	10,790	9,640	3.86	3.21	408
2010	UK - Wales	21,007	350	9,155	7,907	4.11	3.21	434
2011	UK - Wales	23,878	342	9,208	8,008	4.07	3.18	434

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Argentina	Holstein				7,530			
2011	Argentina	Holstein				7,870			
2010	Australia	Australian Red Breed	6,958	303	5,650		4.15	3.47	
2011	Australia	Australian Red Breed	7,465	310	5,807		4.14	3.46	
2010	Australia	Ayrshire	2,806	308	5,393	5,393	4.13	3.35	
2011	Australia	Ayrshire	2,769	313	5,505	5,505	4.10	3.38	
2010	Australia	Brown Swiss	3,428	327	6,146	6,146	4.23	3.49	
2011	Australia	Brown Swiss	3,501	329	6,245	6,245	4.10	3.43	
2010	Australia	Guernsey	1,485	315	5,309	5,309	4.34	3.43	
2011	Australia	Guernsey	1,387	329	5,481	5,481	4.27	3.38	
2010	Australia	Holstein	381,337	322	7,080	7,080	3.94	3.29	
2011	Australia	Holstein	353,966	327	7,087	7,087	3.93	3.27	
2010	Australia	Illawarra	5,399	319	6,189	6,189	4.02	3.32	
2011	Australia	Illawarra	5,329	323	6,379	6,379	3.99	3.33	
2010	Australia	Jersey	63,235	306	5,123	5,123	4.88	3.74	
2011	Australia	Jersey	56,385	312	5,168	5,168	4.84	3.72	
2010	Austria	Braunvieh	46,284	301		6,845	4.12	3.42	
2011	Austria	Braunvieh	44,937	301		6,937	4.13	3.44	
2010	Austria	Fleckvieh	242,115	298		6,808	4.15	3.41	
2010	Austria	Fleckvieh	235,681	298		6,707	4.13	3.40	
2010	Austria	Grauvieh	3,110	294		4,837	3.93	3.25	
2011	Austria	Grauvieh	3,018	294		4,884	3.93	3.26	
2010	Austria	Holstein	35,356	300		8,234	4.10	3.25	
2011	Austria	Holstein	35,722	300		8,356	4.09	3.26	
2010	Austria	Pinzgauer	6,664	298		5,398	3.86	3.24	
2011	Austria	Pinzgauer	6,391	298		5,426	3.86	3.27	
2010	Belgium (Wallonia Region)	Blanc-Bleu Belge	2,401	299	4,259	4,116	3.59	3.24	387
2010	Belgium (Wallonia Region)	Blanc-Bleu Belge	2,401	299	4,259	4,116	3.59	3.24	387
2011	Belgium (Wallonia Region)	Blanc-Bleu Belge	2,268	300	4,462	4,307	3.60	3.27	
2011	Belgium (Wallonia Region)	Blanc-Bleu Belge	2,268	300	4,462	4,307	3.60	3.27	387

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Belgium (Wallonia Region)	Holstein	39,604	365	8,853	7,766	4.02	3.35	425
2010	Belgium (Wallonia Region)	Holstein	39,604	365	8,853	7,766	4.02	3.35	425
2011	Belgium (Wallonia Region)	Holstein	40,121	364	9,166	8,020	3.99	3.37	
2011	Belgium (Wallonia Region)	Holstein	40,121	364	9,166	8,020	3.99	3.37	424
2010	Belgium (Wallonia Region)	Montbéliarde	694	341	7,474	6,797	3.90	3.42	407
2010	Belgium (Wallonia Region)	Montbéliarde	694	341	7,474	6,797	3.90	3.42	407
2011	Belgium (Wallonia Region)	Montbéliarde	706	342	7,953	7,322	3.88	3.43	
2011	Belgium (Wallonia Region)	Montbéliarde	706	342	7,953	7,322	3.88	3.43	401
2010	Belgium (Wallonia Region)	Normande	357	345	6,395	5,773	4.25	3.50	411
2010	Belgium (Wallonia Region)	Normande	357	345	6,395	5,773	4.25	3.50	411
2011	Belgium (Wallonia Region)	Normande	326	340	6,668	6,117	4.18	3.52	
2011	Belgium (Wallonia Region)	Normande	326	340	6,668	6,117	4.18	3.52	398
2010	Belgium (Wallonia Region)	Red Holstein	6,189	350	7,662	6,941	4.18	3.39	414
2010	Belgium (Wallonia Region)	Red Holstein	6,189	350	7,662	6,941	4.18	3.39	414
2011	Belgium (Wallonia Region)	Red Holstein	6,293	350	7,905	7,141	4.17	3.41	
2011	Belgium (Wallonia Region)	Red Holstein	6,293	350	7,905	7,141	4.17	3.41	412
2010	Belgium Flanders ¹	Holstein Black & White	49,867			8,847	4.09	3.33	421
2011	Belgium Flanders ²	Holstein Black & White	49,177			8,965	4.04	3.35	420
2010	Belgium Flanders ³	Holstein Red & White	19,623			7,987	4.28	3.39	421
2011	Belgium Flanders ⁴	Holstein Red & White	18,481			8,117	4.25	3.42	420
2010	Canada	Ayrshire	8,809	305		7,663	4.02	3.34	
2011	Canada	Ayrshire	8,694	305		7,717	4.03	3.35	
2010	Canada	Brown Swiss	1,933	305		8,340	4.07	3.47	
2011	Canada	Brown Swiss	1,978	305		8,260	4.13	3.50	

¹ 657 kgs f+p

² 663 kgs f+p

³ 613 kgs f+p

⁴ 622 kgs f+p

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Canada	Canadienne	191	305		5,791	4.35	3.55	
2011	Canada	Canadienne	178	305		6,107	4.31	3.56	
2010	Canada	Guernsey	357	305		6,891	4.51	3.43	
2011	Canada	Guernsey	371	305		7,062	4.57	3.42	
2010	Canada	Holstein	276,544	305		9,970	3.75	3.18	
2011	Canada	Holstein	281,160	305		9,975	3.79	3.19	
2010	Canada	Jersey	9,885	305		6,559	4.86	3.80	
2011	Canada	Jersey	10,339	305		6,572	4.91	3.80	
2010	Canada	Milking Shorthorn	350	305		6,827	3.67	3.31	
2011	Canada	Milking Shorthorn	325	305		6,854	3.68	3.28	
2010	Croatia	Brown	1,907			5,601	4.03	3.41	446
2011	Croatia	Brown	1,429			5,569	3.95	3.38	449
2010	Croatia	Holstein	26,544			6,756	3.95	3.28	461
2011	Croatia	Holstein	25,641			6,786	4.00	3.26	459
2010	Croatia	Simmental	42,849			4,990	4.02	3.35	413
2011	Croatia	Simmental	37,960			5,001	4.00	3.30	419
2010	Czech Republic	Fleckvieh	113,004	294	6,472	6,653	3.99	3.46	399
2011	Czech Republic	Fleckvieh	110,436	294	6,545	6,728	4.01	3.48	395
2010	Czech Republic	Holstein	157,634	299	8,721	8,852	3.76	3.28	419
2011	Czech Republic	Holstein	155,576	299	8,808	8,940	3.79	3.30	417
2010	Czech Republic	Montbéliarde	1,082	297	7,839	7,997	3.75	3.45	391
2011	Czech Republic	Montbéliarde	995	297	7,999	8,160	3.80	3.48	404
2010	Denmark	Danish Holstein	376,029	365	9,576		4.09	3.36	
2011	Denmark	Danish Holstein	371,467	365	9,419		4.11	3.37	
2010	Denmark	Jersey	64,936	365	6,680		5.93	4.10	
2011	Denmark	Jersey	65,445	365	6,584		5.92	4.13	
2010	Denmark	Red Danish	38,636	365	8,761		4.28	3.48	
2011	Denmark	Red Danish	36,856	365	8,629		4.30	3.49	
2010	Denmark	Red Holstein	5,804	365	8,507		4.31	3.42	
2011	Denmark	Red Holstein	5,610	365	8,410		4.28	3.41	

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Estonia	Estonian Holstein	67,904	339	7,778	7,864	4.01	3.29	427
2011	Estonia	Estonian Holstein	69,216	344	7,926	7,973	4.02	3.33	430
2010	Estonia	Estonian Red	19,722	328	7,152	7,237	4.20	3.39	406
2011	Estonia	Estonian Red	18,917	333	7,268	7,270	4.20	3.41	411
2010	Finland	Finnish Ayrshire	147,131	305	8,631	8,685	4.32	3.47	413
2011	Finland	Finnish Ayrshire	143,100	305	8,574	8,664	4.27	3.44	416
2010	Finland	Finnish Cattle	2,784	305	6,243	6,410	4.39	3.47	404
2011	Finland	Finnish Cattle	2,728	305	6,162	6,357	4.38	3.45	407
2011	Finland	Holstein	81,468	305	9,439	9,520	3.95	3.32	419
2010	Finland	Holstein Friesian	78,267	305	9,464	9,522	3.97	3.36	415
2010	Finland	Jersey	56	305	7,693	7,647	5.01	3.77	413
2011	Finland	Jersey	80	305	7,420	7,350	4.88	3.76	409
2010	France	Abondance	22,229	295	5,255	4,977	3.70	3.47	400
2011	France	Abondance	22,527	296	5,323	5,033	3.72	3.49	403
2010	France	Brune	17,430	339	7,091	6,181	4.21	3.59	421
2011	France	Brune	17,355	337	7,266	6,312	4.22	3.62	425
2010	France	Montbéliarde	405,309	310	6,746	6,251	3.90	3.42	395
2011	France	Montbéliarde	417,205	308	6,922	6,391	3.90	3.45	397
2010	France	Normande	239,666	322	6,238	5,653	4.28	3.62	400
2011	France	Normande	239,467	318	6,391	5,782	4.29	3.66	402
2010	France	Pie Rouge des Plaines	9,737	329	7,453	6,754	4.15	3.45	403
2011	France	Pie Rouge des Plaines	10,196	325	7,607	6,884	4.26	3.49	406
2010	France	Prim'Holstein	1700,044	354	9,025	7,746	3.97	3.35	425
2011	France	Prim'Holstein	1,718,127	350	9,215	7,873	3.97	3.38	428
2010	France	Simmental Française	15,313	307	5,986	5,589	4.03	3.52	391
2011	France	Simmental Française	15,922	304	6,082	5,667	4.04	3.56	393
2010	Germany	Braunvieh	171,299	324	7,052	7,002	4.22	3.59	416
2010	Germany	Fleckvieh	877,433	317	6,975	6,800	4.14	3.78	394
2010	Germany	Holstein R&W	239,238	319	7,818	7,787	4.25	3.42	409
2010	Germany	Holsten B&W	2,015,310	322	8,766	8,703	4.11	3.40	414

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Hungary	Hungarian Holstein Friesian	124,435	298	8,783		3.55	3.26	441
2011	Hungary	Hungarian Holstein Friesian	119,134	299	8,726		3.58	3.28	438
2010	Hungary	Hungarian Red Spotted	2,709	294	5,949		3.96	3.45	410
2011	Hungary	Hungarian Red Spotted	2,857	294	5,986		4.05	3.47	413
2010	Italy	Grey of Alps (Grigio Alpina, Grauvieh)	6,678	305	4,823	4,823	3.72	3.35	
2011	Italy	Grey of Alps (Grigio Alpina, Grauvieh)	6,734	305	4,898	4,898	3.74	3.37	
2010	Italy	Italian Brown (Bruna Italiana)	63,046	305	6,816	6,816	3.96	3.52	
2011	Italy	Italian Brown (Bruna Italiana)	60,904	305	6,908	6,908	4.00	3.54	
2010	Italy	Italian Friesian (Frisona Italiana)	678,917	305	8,961	3,650	3.30		
2011	Italy	Italian Friesian (Frisona Italiana)	688,720	305	9,011	9,011	3.66	3.30	
2010	Italy	Italian Red Spotted (Pezzata Rossa Italiana)	38,027	305	6,404	6,404	3.87	3.42	
2011	Italy	Italian Red Spotted (Pezzata Rossa Italiana)	40,052	305	6,447	6,447	3.88	3.42	
2010	Italy	Valdostana Red Spotted (Valdostana Pezzata Rossa)	7,969	305	3,660	3,660	3.50	3.32	
2011	Italy	Valdostana Red Spotted (Valdostana Pezzata Rossa)	9,660	305	3,657	3,657	3.59	3.40	
2010	Japan	Holstein	375,744	365	10,350	9,294	3.98	3.29	433
2010	Japan	Jersey	2,499	337	6,422	6,117	4.99	3.83	412
2010	Korea	Holstein	359,203	305		9,638	3.79	3.14	450.0
2011	Korea	Holstein	246,900	305		9,672	3.76	3.18	451.1

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Latvia	Holstein Black and White	32,876	374		6,724	4.16	3.22	
2011	Latvia	Holstein Black and White	34,912	381		6,868	4.08	3.20	
2010	Latvia	Latvian Blue	514	339		4,666	4.35	3.37	
2011	Latvia	Latvian Blue	506	349		4,759	4.26	3.37	
2010	Latvia	Latvian Brown	48,276	351		5,493	4.47	3.19	
2011	Latvia	Latvian Brown	45,555	358		5,602	4.40	3.33	
2010	Lithuania	Ayrshire	1,241	305	6,603	6,694	4.33	3.43	430
2011	Lithuania	Ayrshire	951	305	7,015	6,848	4.27	3.45	430
2010	Lithuania	German Black & White	848	305	6,546	6,652	4.36	3.32	437
2011	Lithuania	German Black & Whites	606	305	6,559	6,702	4.39	3.37	445
2010	Lithuania	Holstein	2,926	305	7,095	7,391	4.33	3.37	450
2011	Lithuania	Holstein	2,393	305	7,198	7,268	4.37	3.39	459
2010	Lithuania	Holstein R&W	508	305	6,771	7,101	4.35	3.39	431
2011	Lithuania	Holstein R&W	402	305	7,256	7,127	4.38	3.44	438
2010	Lithuania	Lithuanian Black & Whites	84,407	305	6,222	6,158	4.31	3.30	417
2011	Lithuania	Lithuanian Black & Whites	68,236	305	6,394	6,237	4.32	3.33	420
2010	Lithuania	Lithuanian native Ash - Grey	408	305	5,538	5,401	4.19	3.29	398
2011	Lithuania	Lithuanian native Ash - Grey	338	305	5,602	5,437	4.23	3.30	395
2010	Lithuania	Lithuanian Native White- backed	351	305	5,463	5,361	4.37	3.30	406
2011	Lithuania	Lithuanian Native White- Backed	308	305	5,555	5,398	4.42	3.32	406
2010	Lithuania	Lithuanian Reds	25,764	305	6,002	5,963	4.46	3.43	415
2011	Lithuania	Lithuanian Reds	19,845	305	6,208	6,103	4.46	3.46	418

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Lithuania	Swedish Reds & Whites	611	305	6,611	6,918	4.41	3.44	431
2011	Lithuania	Swedish Reds & Whites	536	305	7,090	6,862	4.35	3.49	423
2011	Luxembourg	Holstein -RBT	4,898		7,102		4.31	3.45	419
2010	Luxembourg	Holstein-RBT	5,311		6,831		4.36	3.45	415
2010	Luxembourg	Holstein-SBT	27,195		7,783		4.14	3.39	424
2011	Luxembourg	Holstein-SBT	26,984		8,092		4.10	3.39	425
2010	New Zealand	Ayrshire	18,768	229	3,994	4,918	4.24	3.50	369.3
2010	New Zealand	Friesian	961,198	221	4,438	5,600	4.22	3.50	369.1
2010	New Zealand	Friesian/Jersey Cross	1,055,998	222	3,959	4,981	4.77	3.74	368.5
2010	New Zealand	Jersey	350,496	222	3,137	3,946	5.52	4.00	368.3
2010	Norway	Jersey	966	305		5,376	5.97	3.89	392
2011	Norway	Jersey	953	307		5,499	5.94	3.87	395
2010	Norway	Norwegian red	144,188	299		6,819	4.20	3.37	381
2011	Norway	Norwegian Red (NRF)	141,765	299		6,864	4.19	3.37	381
2010	Poland	Jersey	1,104	305	5,475	5,475	5.29	3.83	423
2011	Poland	Jersey (JE)	1,084	305	5,743	5,743	5.23	3.77	413
2010	Poland	Montbeliarde	1,535	305	7,291	7,291	4.04	3.49	414
2011	Poland	Montbeliarde	1,889	305	7,093	7,093	3.97	3.43	413
2010	Poland	Polish Black-White	2,412	305	4,530	4,530	4.14	3.28	407
2011	Poland	Polish Black-White	2,193	305	4,544	4,544	4.10	3.22	420
2010	Poland	Polish Holstein-Friesian (HO)	542,086	305	7,098	7,098	4.17	3.34	432
2011	Poland	Polish Holstein-Friesian (HO)	560,314	305	7,265	7,265	4.12	3.30	437
2010	Poland	Polish Holstein-Friesian (RW)	17,228	305	6,486	6,486	4.19	3.36	420
2011	Poland	Polish Holstein-Friesian (RW)	18,633	305	6,567	6,567	4.16	3.29	423
2010	Poland	Polish Red	2,489	305	3,759	3,759	4.32	3.37	402

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Poland	Polish Red-White	3,428	305	4,570	4,570	4.08	3.27	401
2011	Poland	Polish Red-White (ZR)	3,314	305	4,585	4,585	4.03	3.18	409
2011	Poland	Red Polish (RP)	2,664	305	3,703	3,703	4.24	3.29	406
2010	Poland	Simmental	9,259	305	5,359	5,359	4.12	3.42	410
2011	Poland	Simmental (SM)	9,559	305	5,450	5,450	4.11	3.36	410
2010	Portugal	Holstein Friesian	76,849	365	10,534	9,246	3.66	3.33	443
2010	Slovak Republic	Cross breeds	52,463	296	6,433	6,579	4.02	3.30	428
2011	Slovak Republic	Cross breeds	47,002	295	6,381	6,542	4.00	3.30	426
2010	Slovak Republic	Holstein	29,317	299	7,984	8,104	3.88	3.25	442
2011	Slovak Republic	Holstein	28,988	299	8,087	8,209	3.86	3.25	436
2010	Slovak Republic	Slovak Pinzgauer	903	290	4,294	4,459	4.01	3.40	407
2011	Slovak Republic	Slovak Pinzgauer	830	289	4,230	4,404	3.94	3.41	420
2010	Slovak Republic	Slovak Simmental	12,428	294	5,269	5,416	4.05	3.39	411
2011	Slovak Republic	Slovak Simmental	12,307	294	5,326	5,475	4.04	3.40	408
2010	Slovenia	Brown	12,361	366	6,288	5,509	4.03	3.36	421
2010	Slovenia	Brown	12,361	366	6,288	5,509	4.03	3.36	421
2011	Slovenia	Brown	11,923	368	6,348	5,526	4.06	3.38	422
2010	Slovenia	Holstein	30,996	379	8,354	7,191	3.91	3.25	427
2010	Slovenia	Holstein	30,996	379	8,354	7,191	3.91	3.25	427
2011	Slovenia	Holstein	31,529	379	8,398	7,226	3.93	3.27	428
2010	Slovenia	Simmental	32,840	351	5,817	5,237	4.03	3.34	408
2010	Slovenia	Simmental	32,840	351	5,817	5,237	4.03	3.34	408
2011	Slovenia	Simmental	32,733	351	5,875	5,288	4.04	3.36	414
2010	South Africa	Ayrshire	6,633	310	6,072	6,072	4.06	3.39	424
2010	South Africa	Guernsy	989	330	5,570	5,570	4.24	3.48	422
2010	South Africa	Holstein	55,575	347	7,441	7,441	3.88	3.25	432
2010	South Africa	Jersey	56,705	324	5,187	5,187	4.70	3.77	420
2010	Spain	Frisona	335,152	371	10,841	9,261	3.66	3.25	405
2010	Spain	Frisona	335,152	371	10,841	9,261	3.66	3.25	405
2011	Spain	Frisona	350,631	369	10,977	9,401	3.67	3.25	431
2010	Spain	Parda Alpina	1,247	310	6,897	6,563	3.72	3.55	396
2011	Spain	Parda Alpina	1,189	312	6,903	6,726	3.72	3.56	375
2010	Sweden	Swedish Holstein	140,173	365	9,736		4.07	3.36	416
2011	Sweden	Swedish Holstein	141,234	365	9,724		4.08	3.38	416

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	Sweden	Swedish Jersey	1,918	365	6,755		5.76	3.98	406
2011	Sweden	Swedish Jersey	1,955	365	6,780		5.81	4.02	403
2010	Sweden	Swedish Polled	1,172	365	5,477		4.40	3.54	404
2011	Sweden	Swedish Polled	1,139	365	5,550		4.38	3.55	413
2010	Sweden	Swedish Red	116,410	365	8,741		4.35	3.53	398
2011	Sweden	Swedish Red	113,237	365	8,710		4.36	3.56	400
2010	Switzerland	Braunvieh	133,938	300	6,887	6,973	4.04	3.38	410
2011	Switzerland	Braunvieh	133,715	300	6,898	6,984	4.03	3.38	410
2010	Switzerland	Eringer	592	270		3,084	3.64	3.39	400
2010	Switzerland	Fleckvieh	166,853	299		7,222	4.02	3.28	392
2011	Switzerland	Fleckvieh	163,264	336	7,907	7,347	4.04	3.27	393
2010	Switzerland	Grauvieh	216	294	4,131	4,246	3.69	3.22	387
2011	Switzerland	Grauvieh	221	296	4,228	4,324	3.73	3.23	390
2010	Switzerland	Hinterwälder	109	296	4,008	4,099	4.01	3.39	375
2011	Switzerland	Hinterwälder	128	296	3,961	4,051	4.02	3.39	376
2010	Switzerland	Holstein	43,880	301	8,313	8,423	3.97	3.26	411
2011	Switzerland	Holstein	47,436	301	8,547	8,435	3.95	3.25	410
2010	Switzerland	Jersey	1,999	300	5,314	5,380	5.36	3.87	397
2011	Switzerland	Jersey	1,872	300	5,377	5,444	5.32	3.86	394
2010	UK - England & Wales	Ayrshire	7,662	338	7,188	6,698	4.08	3.35	408
2011	UK - England & Wales	Ayrshire	8,273	338	7,361	6,836	4.08	3.35	406
2010	UK - England & Wales	British Friesian	6,671	339	7,308	6,766	4.08	3.34	401
2011	UK - England & Wales	British Friesian	5,707	337	7,403	6,906	4.12	3.35	399
2010	UK - England & Wales	Guernsey	4,171	355	6,539	5,871	4.87	3.60	418
2011	UK - England & Wales	Guernsey	4,214	358	6,661	5,948	4.88	3.59	416
2010	UK - England & Wales	Holstein	411,108	364	9,596	8,511	3.95	3.25	422
2011	UK - England & Wales	Holstein	409,142	361	9,795	8,705	3.95	3.26	419
2010	UK - England & Wales	Jersey	14,307	342	6,257	5,754	5.25	3.85	407
2011	UK - England & Wales	Jersey	14,659	338	6,290	5,841	5.21	3.84	401
2010	UK - England & Wales	Shorthorn	4,380	323	6,475	6,138	3.80	3.20	394
2011	UK - England & Wales	Shorthorn	4,525	328	6,660	6,243	3.82	3.21	392
2010	UK - Jersey	Jersey	3,264	318	4,932	4,530	5.17	3.77	412
2011	UK - Jersey	Jersey	3,145	322	5,191	4,762	5.12	3.72	405

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	UK - Northern Ireland	Ayrshire	1,787	308	6,236	5,762	4.18	3.35	420
2011	UK - Northern Ireland	Ayrshires	1,804	308	6,553	6,047	4.10	3.32	418
2011	UK - Northern Ireland	Brown Swiss	47	306	7,136	6,752	4.58	3.38	397
2010	UK - Northern Ireland	Friesian	985	325	6,708	6,003	4.15	3.32	397
2011	UK - Northern Ireland	Friesian	1,246	314	6,861	6,273	4.05	3.32	395
2011	UK - Northern Ireland	Guernsey	2	340	8,548	7,917	5.13	3.60	407
2010	UK - Northern Ireland	Holstein	83,287	332	8,190	7,210	4.08	3.26	421
2011	UK - Northern Ireland	Holstein	85,716	333	8,570	7,525	4.01	3.23	421
2010	UK - Northern Ireland	Jersey	926	323	5,795	5,151	5.16	3.82	410
2011	UK - Northern Ireland	Jersey	890	334	6,159	5,353	5.14	3.81	410
2010	UK - Northern Ireland	Montbeliarde	380	314	6,489	5,933	3.99	3.37	400
2011	UK - Northern Ireland	Montebeliarde	450	316	6,664	6,066	4.02	3.35	401
2010	UK - Northern Ireland	Shorthorn	801	326	7,287	6,644	4.00	3.34	405
2011	UK - Northern Ireland	Shorthorn	787	316	7,433	6,798	3.96	3.30	401
2011	UK - Scotland	Ayrshires	9,844	310	7,508	6,890	4.06	3.31	418
2010	UK - Scotland	Ayrshire	9,592	323	7,469	6,810	4.10	3.32	425
2011	UK - Scotland	Ayrshire	674	336	9,547	8,824	4.01	3.30	403
2011	UK - Scotland	British Friesian	16	324	8,710	8,453	3.79	3.06	418
2010	UK - Scotland	Brown Swiss	321	350	8,137	6,960	3.98	3.46	436
2011	UK - Scotland	Brown Swiss	302	325	7,904	6,854	4.03	3.43	447
2010	UK - Scotland	Friesian	2,209	326	6,887	6,191	4.14	3.38	401
2011	UK - Scotland	Friesian	2,327	334	7,224	6,546	4.14	3.36	409
2011	UK - Scotland	Guernsey	11	261	5,749	5,580	4.34	3.41	466
2010	UK - Scotland	Holstein	97,433	338	9,197	8,040	3.83	3.16	428
2011	UK - Scotland	Holstein	5,329	348	9,936	8,887	3.81	3.24	407
2011	UK - Scotland	Holstein	96,921	338	9,408	8,227	3.82	3.14	428
2010	UK - Scotland	Jersey	1,198	324	6,356	5,633	5.18	3.85	428
2011	UK - Scotland	Jersey	150	268	4,275	4,214	4.64	3.70	368
2011	UK - Scotland	Jersey	1,175	324	6,544	5,811	5.18	3.80	428
2010	UK - Scotland	Montbeliarde	654	336	7,496	6,696	3.87	3.27	402
2011	UK - Scotland	Montbeliarde	48	321	8,248	7,789	3.97	3.36	383
2011	UK - Scotland	Montebeliarde	1,007	320	7,453	6,804	3.92	3.31	401
2011	UK - Scotland	Red Polls	28	329	8,459	8,017	4.2	3.29	378
2011	UK - Scotland	Shorthorn	178	308	5,862	5,462	3.84	3.41	410

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2011	UK - Wales	Ayrshire	277	321	7,980	7,225	4.28	3.31	403
2010	UK - Wales	Ayrshire	229	327	7,961	7,125	4.38	3.33	407
2011	UK - Wales	Brown Swiss	122	308	7,517	6,461	4.02	3.34	498
2010	UK - Wales	Friesian	350	333	7,064	6,289	4.21	3.31	399
2011	UK - Wales	Friesian	373	325	6,979	6,400	4.22	3.33	415
2011	UK - Wales	Guernsey	76	308	6,389	5,824	4.65	3.59	419
2010	UK - Wales	Holstein	23,229	347	9,062	7,832	4.07	3.20	432
2011	UK - Wales	Holstein	26,563	339	9,074	7,908	4.05	3.19	431
2010	UK - Wales	Jersey	735	296	5,633	5,247	5.22	3.74	400
2011	UK - Wales	Jersey	839	299	5,726	5,320	5.17	3.67	400
2011	UK - Wales	Montebeliarde	15	340	8,109	7,302	4.07	3.27	402
2011	UK - Wales	Shorthorn	44	295	6,352	5,928	3.95	3.32	384
2010	UK- England	Ayrshire	2,010	306	6,905	6,353	4.20	3.34	414
2011	UK- England	Ayrshire	2,179	306	7,242	6,661	4.16	3.30	408
2010	UK- England	Brown Swiss	677	324	7,270	6,508	4.10	3.38	413
2011	UK- England	Brown Swiss	816	327	7,450	6,619	4.12	3.38	420
2010	UK- England	Friesian	3,659	317	6,722	6,132	4.16	3.36	405
2011	UK- England	Friesian	3,835	321	7,009	6,419	4.10	3.35	403
2010	UK- England	Guernsey	838	312	5,716	5,111	4.99	3.58	430
2011	UK- England	Guernsey	801	302	5,360	4,601	4.93	3.59	429
2010	UK- England	Holstein	190,818	345	9,610	8,335	3.95	3.19	431
2011	UK- England	Holstein	201,524	340	9,693	8,428	3.93	3.18	430
2010	UK- England	Jersey	8,600	314	5,852	5,291	5.44	3.84	402
2011	UK- England	Jersey	8,352	316	5,939	5,337	5.36	3.82	403
2010	UK- England	Montbeliarde	512	316	7,107	6,468	3.99	3.35	392
2011	UK- England	Montbeliarde	1,058	321	7,385	6,742	3.99	3.37	399
2010	UK- England	Shorthorn	626	310	6,648	6,186	3.85	3.30	400
2011	UK- England	Shorthorn	1,000	304	7,011	6,489	3.88	3.27	399
2010	USA ⁵	Ayrshire	4,873	305	7,018	7,018	3.92	3.18	
2011	USA ⁵	Ayrshire	4,718	305	7,013	7,013	3.95	3.17	

⁵ DHI Herd Averages

Table 4.3 - Main breeds - All recorded cows (Years 2010 and 2011)

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)
2010	USA ⁵	Brown Swiss	12,775	305	8,453	8,453	4.06	3.38	
2011	USA ⁵	Brown Swiss	11,851	305	8,347	8,347	4.10	3.39	
2010	USA ⁵	Guernsey	5,422	305	6,975	6,975	4.53	3.35	
2011	USA ⁵	Guernsey	5,260	305	5,923	5,923	4.57	3.36	
2010	USA ⁵	Holstein	3,776,761	305	10,517	10,517	3.61	3.06	
2011	USA ⁵	Holstein	3,816,832	305	10,607	10,607	3.66	3.07	
2010	USA ⁵	Jersey	225,111	305	7,535	7,535	4.69	3.61	
2011	USA ⁵	Jersey	232,650	305	7,626	7,626	4.75	3.63	
2010	USA ⁵	Milking Shorthorn	1,758	305	6,240	6,240	3.49	3.09	
2011	USA ⁵	Milking Shorthorn	1,843	305	5,846	5,846	3.57	3.12	

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	Argentina	Holstein				8,241			
2011	Argentina	Holstein				8,704			
2010	Australia	Australian Red Breed	833	331	7,164	7,164	3.82	3.46	
2011	Australia	Australian Red Breed	879	328	7,429		3.83	3.45	
2010	Australia	Ayrshire	910	329	6,052		4.09	3.34	
2011	Australia	Ayrshire	839	325	6,030	6,030	4.11	3.35	
2010	Australia	Brown Swiss	1,073	339	6,720	6,720	4.15	3.45	
2011	Australia	Brown Swiss	1,042	340	6,313	6,313	4.03	3.44	
2010	Australia	Holstein	61,226	349	8,039	8,039	3.82	3.22	
2011	Australia	Holstein	58,048	348	8,149	8,149	3.78	3.22	
2010	Australia	Illawarra	2,338	323	6,733	6,733	3.95	3.29	
2011	Australia	Illawarra	1,752	320	6,687	6,687	3.95	3.28	
2010	Australia	Jersey	14,437	327	5,613	5,613	4.89	3.74	
2011	Australia	Jersey	13,719	326	5,564	5,564	4.89	3.75	
2010	Austria	Braunvieh	45,250	301		6,866	4.12	3.42	
2011	Austria	Braunvieh	43,980	301		6,959	4.13	3.44	
2010	Austria	Fleckvieh	229,011	298		6,736	4.13	3.40	
2011	Austria	Fleckvieh	235,059	298		6,840	4.15	3.41	
2010	Austria	Grauvieh	3,304	294		4,844	3.93	3.25	
2011	Austria	Grauvieh	2,950	294		4,892	3.94	3.26	
2010	Austria	Holstein	32,311	300		8,335	4.09	3.25	
2011	Austria	Holstein	32,632	300		8,457	4.09	3.26	
2010	Austria	Pinzgauer	6,448	298		5,404	3.85	3.24	
2011	Austria	Pinzgauer	6,174	298		5,434	3.86	3.27	
2010-2011	Belgium (Wallonia Region) ¹	All							

¹ All cows in milk recording = all cows in herdbook (main + supplementary sections)

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	Czech Republic	Fleckvieh	119,531	294	6,521	6,703	3.98	3.45	398
2011	Czech Republic	Fleckvieh	116,991	294	6,598	6,782	4.00	3.48	396
2010	Czech Republic	Holstein	156,428	299	8,795	8,927	3.75	3.28	418
2011	Czech Republic	Holstein	156,094	299	8,873	9,006	3.78	3.30	416
2010	Denmark	Danish Holstein	376,029	365	9,576		4.09	3.36	
2011	Denmark	Danish Holstein	371,467	365	9,419		4.11	3.37	
2010	Denmark	Jersey	64,936	365	6,680		5.93	4.10	
2011	Denmark	Jersey	65,445	365	6,584		5.92	4.13	
2010	Denmark	Red Danish	38,636	365	8,761		4.28	3.48	
2011	Denmark	Red Danish	36,856	365	8,629		4.30	3.49	
2010	Denmark	Red Holstein	5,804	365	8,507		4.31	3.42	
2011	Denmark	Red Holstein	5,610	365	8,410		4.28	3.41	
2010	Estonia	Estonian Holstein	57,961	346	7,950	8,041	3.99	3.29	428
2011	Estonia	Estonian Holstein	59,471	354	8,096	8,137	4.01	3.33	431
2010	Estonia	Estonian Red	17,254	330	7,334	7,396	4.19	3.40	405
2011	Estonia	Estonian Red	16,535	337	7,466	7,434	4.19	3.42	411
2010	Finland	Finnish Ayrshire	20,302	305		9,571	4.24	3.44	
2011	Finland	Finnish Ayrshire	19,707	305		9,519	4.21	3.42	416
2010	Finland	Finnish Cattle	1,420	305		6,224	4.37	3.47	
2011	Finland	Finnish Cattle	1454	305		6,099	4.37	3.45	407
2011	Finland	Holstein	14514	305		10,523	3.89	3.31	419
2010	Finland	Holstein Friesian	14,348	305		10,563	3.89	3.34	
2010	Finland	Jersey	14	305		8,093	5.33	3.91	
2011	Finland	Jersey	22	305		7,621	5.18	3.91	409
2010	France	Abondance	22,229	295	5,255	4,977	3.70	3.47	400
2011	France	Abondance	22,527	296	5,323	5,033	3.72	3.49	403
2010	France	Brune	17,430	339	7,091	6,181	4.21	3.59	421
2011	France	Brune	17,355	337	7,266	6,312	4.22	3.62	425

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	France	Montbéliarde	405,309	310	6,746	6,251	3.90	3.42	395
2011	France	Montbéliarde	417,205	308	6,922	6,391	3.90	3.45	397
2010	France	Normande	239,666	322	6,238	5,653	4.28	3.62	400
2011	France	Normande	239,467	318	6,391	5,782	4.29	3.66	402
2010	France	Pie Rouge des Plaines	9,737	329	7,453	6,754	4.15	3.45	403
2011	France	Pie Rouge des Plaines	10,196	325	7,607	6,884	4.26	3.49	406
2010	France	Prim'Holstein	1,700,044	354	9,025	7,746	3.97	3.35	425
2011	France	Prim'Holstein	1,718,127	350	9,215	7,873	3.97	3.38	428
2010	France	Simmental Française	15,313	307	5,986	5,589	4.03	3.52	391
2011	France	Simmental Française	15,922	304	6,082	5,667	4.04	3.56	393
2010	Germany	Braunvieh	140,046	319	7,243	7,164	4.21	3.60	414
2010	Germany	Fleckvieh	650,200	317	7,186	6,983	4.14	3.49	392
2010	Germany	Holstein R&W	147,372	321	8,245	8,151	4.22	3.42	409
2010	Germany	Holsten B&W	1,558,492	323	9,008	8,923	4.09	3.40	414
2010	Italy	Grey of The Alps (Grigio Alpina, Grauvieh)	6,678	305	4,823	4,823	3.72	3.35	
2011	Italy	Grey of The Alps (Grigio Alpina, Grauvieh)	6,734	305	4,898	4,898	3.74	3.37	
2010	Italy	Italian Brown (Bruna Italiana)	63,046	305	6,816	6,816	3.96	3.52	
2011	Italy	Italian Brown (Bruna Italiana)	60,904	305	6,908	6,908	4.00	3.54	
2010	Italy	Italian Friesian (Frisona Italiana)	678,917	305	8,961	8,961	3.65	3.30	
2011	Italy	Italian Friesian (Frisona Italiana)	688,720	305	9,011	9,011	3.66	3.30	
2010	Italy	Italian Red Spotted (Pezzata Rossa Italiana)	38,027	305	6,404	6,404	3.87	3.42	
2011	Italy	Italian Red Spotted (Pezzata Rossa Italiana)	40,052	305	6,447	6,447	3.88	3.42	

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	Italy	Valdostana Red Spotted (Valdostana Pezzata Rossa)	7,969	305	3,660	3,660	3.50	3.32	
2011	Italy	Valdostana Red Spotted (Valdostana Pezzata Rossa)	9,660	305	3,657	3,657	3.59	3.40	
2010	Japan	Holstein	327,856	363	10,343	9,371	3.99	3.29	432
2010	Japan	Jersey	1,776	337	6,453	6,130	5.05	3.84	407
2011	Latvia	Holstein Black & White	11,942	382		7,847	4.10	3.22	
2010	Latvia	Latvian Black & White	9,309	378		7,771	4.16	3.24	
2010	Latvia	Latvian Brown	13,034	350		6,256	4.49	3.37	
2011	Latvia	Latvian Brown	14,228	354		6,260	4.42	3.34	
2010	New Zealand	Ayrshire	13,750	259	4,624	5,217	4.29	3.50	
2010	New Zealand	Friesian	39,859	261	6,069	6,809	3.98	3.40	
2010-2011	Norway ²								
2010	Poland	Montbeliarde (MO)	1,126	305	7,362	7,362	4.07	3.45	
2011	Poland	Montbeliarde (MO)	1,415	305	6,984	6,984	3.95	3.42	
2010	Poland	Polish Black-White (ZB)	1,980	305	4,689	4,689	4.08	3.22	
2011	Poland	Polish Black-White (ZB)	1,858	305	4,740	4,740	4.08	3.19	
2010	Poland	Polish Holstein-Friesian (HO)	413,833	305	7,139	7,139	4.11	3.27	
2011	Poland	Polish Holstein-Friesian (HO)	423,929	305	7,252	7,252	4.08	3.25	
2010	Poland	Polish Holstein-Friesian (RW)	13,145	305	6,526	6,526	4.14	3.31	
2011	Poland	Polish Holstein-Friesian (RW)	14,056	305	6,547	6,547	4.13	3.27	
2010	Poland	Polish Red-White (ZR)	2,743	305	4,660	4,660	4.04	3.22	
2011	Poland	Polish Red-White (ZR)	2,838	305	4,649	4,649	4.02	3.19	

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

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	Poland	Red Polish (RP)	2,110	305	3,828	3,828	4.26	3.32	
2011	Poland	Red Polish (RP)	2,236	305	3,675	3,675	4.25	3.31	
2010	Poland	Simmental	4,202	305	5,360	5,360	4.08	3.38	
2011	Poland	Simmental (SM)	7,363	305	5,346	5,346	4.08	3.36	
2010	Portugal	Holstein Friesian	76,849	365	10,534	9,246	3.66	3.33	443
2010	Slovenia	Brown	12,361	366	6,288	5,509	4.03	3.36	421
2010	Slovenia	Holstein	30,996	379	8,354	7,191	3.91	3.25	427
2010	Slovenia	Simmental	32,840	351	5,817	5,237	4.03	3.34	408
2010	South Africa	Ayrshire	6,242		6,574	6,574	3.99	3.35	
2010	South Africa	Guernsey	399		6,628	6,628	4.24	3.44	
2010	South Africa	Holstein	29,004		9,567	9,567	3.78	3.20	
2010	South Africa	Jersey	33,884		5,779	5,779	4.69	3.76	
2010	Spain	Frisona	335152	371	10,841	9,261	3.66	3.25	405
2010	Spain	Parda Alpina	1,247	396	6,897	6,563	3.72	3.55	396
2010-2011	Sweden ³								
2010	Switzerland	Braunvieh	133,938	300	6,887	6,973	4.04	3.38	410
2011	Switzerland	Braunvieh	133,715	300	6,898	6,984	4.03	3.38	410
2010	Switzerland	Eringer	592		3,084	3,084	3.64	3.39	400
2010	Switzerland	Fleckvieh	166,853	299		7,222	4.02	3.28	392
2011	Switzerland	Fleckvieh	163,264	336	7,907	7,347	4.04	3.27	393
2010	Switzerland	Grauvieh	213	294	4,131	4,246	3.69	3.22	387
2011	Switzerland	Grauvieh	221	296	4,228	4,240	3.73	3.23	390
2010	Switzerland	Hinterwälder	109	296	4,008	4,099	4.01	3.39	375
2011	Switzerland	Hinterwälder	128	296	3,961	4,051	4.02	3.39	376
2010	Switzerland	Holstein	43,880	301	8,313	8,423	3.97	3.26	411
2011	Switzerland	Holstein	47,436	301	8,547	8,435	3.95	3.25	410
2010	Switzerland	Jersey	1,999	300	5,314	5,380	5.36	3.87	397
2011	Switzerland	Jersey	1,872	300	5,377	5,444	5.32	3.86	394
2010	Turkey	Brown Swiss	9,124	335	4,934	4,321			414

³ 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 (Years 2010 and 2011)

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)
2010	Turkey	Holstein Friesian (Black and White)	179,608	357	7,141	6,068			426
2010	Turkey	Holstein Friesian (Red and White)	420	347	7,003	6,083			421
2010	Turkey	Simmental	8,451	338	4,988	4,378			413
2011	UK - England	Ayrshires	1,478	303	7,172	6,618	4.14	3.28	415
2010	UK - England	Ayrshire	1,279	311	7,029	6,445	4.20	3.32	420
2010	UK - England	Brown Swiss	426	318	7,063	6,315	4.18	3.39	420
2011	UK - England	Brown Swiss	576	331	7,479	6,608	4.15	3.40	424
2010	UK - England	Friesian	2,044	319	6,919	6,368	4.11	3.38	407
2011	UK - England	Friesian	2,037	324	7,133	6,556	4.09	3.36	407
2010	UK - England	Guernsey	677	314	5,835	5,202	5.00	3.58	436
2011	UK - England	Guernsey	627	303	5,445	4,657	4.90	3.59	433
2010	UK - England	Holstein	149,758	346	9,866	8,542	3.95	3.17	433
2011	UK - England	Holstein	155,789	342	9,963	8,651	3.92	3.17	431
2010	UK - England	Jersey	7,312	314	5,786	5,237	5.54	3.86	401
2011	UK - England	Jersey	7,171	317	5,909	5,306	5.45	3.84	403
2010	UK - England	Montbeliarde	189	315	6,928	6,356	4.03	3.34	394
2011	UK - England	Montebeliarde	520	323	7,228	6,665	4.04	3.39	391
2010	UK - England & Wales	Ayrshire	4,962	341	7,337	6,805	4.09	3.35	411
2011	UK - England & Wales	Ayrshire	5,182	340	7,570	7,014	4.09	3.35	409
2011	UK - England & Wales	British Friesian	2,671	334	7,477	7,011	4.06	3.33	399
2010	UK - England & Wales	British Friesians	2,762	336	7,388	6,937	4.06	3.33	401
2010	UK - England & Wales	Guernsey	3,363	357	6,684	5,965	4.92	3.6	417
2011	UK - England & Wales	Guernsey	3,408	360	6,816	6,057	4.93	3.59	416
2010	UK - England & Wales	Holstein	197,645	366	10,109	8,932	3.94	3.23	425
2011	UK - England & Wales	Holstein	194,157	364	10,337	9,144	3.94	3.23	422

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2010	UK - England & Wales	Jersey	10,226	345	6,369	5,826	5.41	3.89	410
2011	UK - England & Wales	Jersey	10,073	342	6,452	5,951	5.38	3.89	406
2010	UK - England & Wales	Shorthorn	2,272	322	6,575	6,245	3.78	3.29	395
2011	UK - England & Wales	Shorthorn	2,773	328	6,651	6,229	3.81	3.31	394
2010	UK - Jersey	Jersey	318	3264	4,932	4,530	5.17	3.77	412
2011	UK - Jersey	Jersey	3,145	322	5,191	4,762	5.12	3.72	405
2010	UK - Northern Ireland	Ayrshire	1,363	306	6,151	5,711	4.18	3.36	423
2011	UK - Northern Ireland	Ayrshires	1,369	307	6,467	5,989	4.12	3.32	419
2011	UK - Northern Ireland	Brown Swiss	2	359	8,308	7,161	4.33	3.55	361
2010	UK - Northern Ireland	Friesian	375	320	7,111	6,553	4.33	3.36	397
2011	UK - Northern Ireland	Friesian	394	325	7,298	6,677	4.24	3.37	395
2011	UK - Northern Ireland	Guernsey	2	340	8,548	7,917	5.13	3.60	407
2010	UK - Northern Ireland	Holstein	45,134	338	8,832	7,738	4.07	3.24	429
2011	UK - Northern Ireland	Holstein	46,503	338	9,218	8,063	3.99	3.21	428
2010	UK - Northern Ireland	Jersey	543	328	5,743	5,049	5.24	3.88	412
2011	UK - Northern Ireland	Jersey	554	335	5,985	5,149		3.88	412
2011	UK - Northern Ireland	Montebeliarde	66	291	6,165	5,890	3.70	3.19	377
2011	UK - Northern Ireland	Shorthorn	1	403	5,783	4,542	4.29	3.02	
2010	UK - Scotland	Ayrshire	6,245	326	7,610	6,929	4.11	3.30	427
2011	UK - Scotland	Ayrshire	55	336	7,693	7,177	4.19	3.33	417

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2011	UK - Scotland	Ayrshire	6,373	322	7,644	6,973	4.10	3.31	421
2011	UK - Scotland	British Friesian	4	338	8,422	10,933	3.23	3.03	
2010	UK - Scotland	Brown Swiss	218	350	8,161	6,929	3.91	3.48	447
2011	UK - Scotland	Brown Swiss	209	327	7,864	6,759	3.99	3.46	448
2010	UK - Scotland	Friesian	500	327	7,356	6,711	4.20	3.40	397
2011	UK - Scotland	Friesian	453	332	7,597	6,983	4.27	3.37	406
2011	UK - Scotland	Guernsey	7	275	5,792	5,661	4.43	3.50	433
2010	UK - Scotland	Holstein	55,685	344	9,750	8,468	3.86	3.16	433
2011	UK - Scotland	Holstein	56,007	343	9,925	8,619	3.84	3.14	432
2011	UK - Scotland	Holstein	1,288	355	10,945	9,787	3.85	3.22	411
2010	UK - Scotland	Jersey	769	338	6,604	5,763	5.33	3.90	444
2011	UK - Scotland	Jersey	878	325	6,491	5,751	5.32	3.86	436
2011	UK - Scotland	Jersey	1	477	7,209		5.69	4.11	315
2011	UK - Scotland	Montebeliarde	55	332	7,495	6,762	3.87	3.30	438
2011	UK - Wales	Ayrshire	187	315	7,773	7,164	4.34	3.31	415
2011	UK - Wales	Brown Swiss	110	299	7,316	6,359	4.01	3.35	517
2011	UK - Wales	Friesian	275	333	7,318	6,717	4.15	3.33	416
2011	UK - Wales	Guernsey	69	305	6,314	5,766	4.68	3.57	419
2010	UK - Wales	Holstein	19,937	351	9,288	8,011	4.08	3.20	435
2011	UK - Wales	Holstein	22,712	344	9,339	8,108	4.06	3.17	434
2010	UK - Wales	Jersey	507	298	5,631	5,193	5.45	3.81	408
2011	UK - Wales	Jersey	525	312	5,836	5,321	5.34	3.74	413
2010	SLOVENIA	Simmental	32,840	351	5,817	5,237	4.03	3.34	408
2010	SLOVENIA	Brown	12,361	366	6,288	5,509	4.03	3.36	421
2010	SLOVENIA	Holstein	30,996	379	8,354	7,191	3.91	3.25	427
2011	SLOVENIA	Simmental	32,733	351	5,875	5,288	4.04	3.36	414
2011	SLOVENIA	Brown	11,923	368	6,348	5,526	4.06	3.38	422
2011	SLOVENIA	Holstein	31,529	379	8,398	7,226	3.93	3.27	428
2010	SLOVENIA	Simmental	32,840	351	5,817	5,237	4.03	3.34	408
2010	SPAIN	FRISONA	335152	371	10841	9261	3.66	3.25	405
2010	SPAIN	PARDA ALPINA	1247	396	6897	6563	3.72	3.55	396
2011	SPAIN	FRISONA	350,631	369	19,977	9,401	3.67	3.25	431
2011	SPAIN	PARDA ALPINA	1,189	312	6,903	6,726	3.72	3.56	375
2011	The Netherlands (CRV)	HF Black & White	558.508	358	9.928	8.945	4.32	3.51	417

Table 4.4 - Main breeds - Cows in herdbook (Years 2010 and 2011)

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)
2011	The Netherlands (CRV)	HF Red & White	101.922	347	9.079	8.364	4.56	3.60	417
2011	The Netherlands (CRV)	MRY	7.190	332	6.832	6.482	4.44	3.69	n.a.
2010	The Netherlands (CRV)	HF Black & White	574.740	357	9.778	8.832	4.30	3.50	418
2010	The Netherlands (CRV)	HF Red & White	101.416	344	8.876	8.228	4.53	3.58	418
2010	The Netherlands (CRV)	MRY	7.441	327	6.699	6.416	4.40	3.67	n.a.
2011	The Netherlands (CRV)	HF Black & White	558.508	358	9.928	8.945	4.32	3.51	417