

Results for the years 2012 - 2013



**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 2012 and 2013)

Country	Year	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 (%)	Comments
Australia	2012	1,630,000	6,770	240	6,930	4,00	3,30	
Austria	2012	527,393	42,741	12,3				
Austria	2013	529,560	40,098					
Belgium (Wallonia Region)	2012	205,449	4,139	49,6	6,407	4,03	3,13	
Belgium (Wallonia Region)	2013	214,595						
Canada	2012	959,100	12,529	76,6	8,794	3,88	3,24	
Canada	2013	960,600	12,529	76,7	8,923	3,94	3,24	
Chile	2012	537,000	14,974	36	5,018	3,64	3,42	
Croatia	2012	178,004	13,081	13,6	4,213	4,05	3,37	
Croatia	2013	167,491	11,018	15,2	4,179	4,07	3,38	
Czech Rep.	2012	369,749			7,634	3,85	3,39	
Czech Rep.	2013	372,748			7,644	3,88	3,40	
Denmark	2012	578,000	3,800	152	8,450	4,30	3,46	
Denmark	2013	573,000	3,600	159	8,550	4,30	3,47	
Estonia	2012	95,691	3,293	29,1	7,377	4,10	3,40	
Estonia	2013	96,469	2,962	32,6	7,824	4,00	3,40	
Finland	2012	283,000	9,592	29,5	8,345	4,27	3,48	
France	2012	3,644,000			6,838	4,00	3,41	
Germany	2012	4,190,485	82,865	50,6	7,323	4,13	3,41	
Germany ¹	2013	4,267,611	79,537	53,7	7,400	4,13	3,41	
Greece	2012							
Hungary ¹	2012	253,000	15,500	16,3	6,922	3,63	3,25	
Hungary ¹	2013	300,000	15,000	20,0	69,00	3,62	3,24	
India	2012	44,301,000			1,305			
Israel	2012	107,736	658	163,7	11,706	3,70	3,24	Cows in herdbook
Israel	2013	108,779	619	175,7	11,781	3,70	3,26	Cows in herdbook
Japan	2012	923,400	18,800	49,1	8,137			Total number of cows and herds, on the 1st Feb 2013
Korea	2012	248,754	6,007	41,4				
Korea	2013	246,429	5,830	42,3				

¹ Estimates

Table 1 - National Milk Production (Years 2012 and 2013)

Country	Year	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 (%)	Comments
Latvia	2012	164.564	25.734	6,4	5.250			
Lithuania	2012	325.859	73.082	4				
Lithuania	2013	316.837	66.630	5				
New Zealand	2012	4.784.250	11.891	402	4.073	4,81	3,68	
Northern Ireland	2013	53.134	370	144	8.850	4,07	3,26	
Norway	2012	237.569	10.335	23,6	7.303	4,19	3,40	
Norway	2013	238.702	9.831	24,2	7.435	4,26	3,39	
Poland	2012	2.346.097	364.087	6,44	5.194	4,03	3,25	
Poland	2013	2.299.083	323.500	7,11	5.350	4,03	3,25	
Slovak Rep.	2012	150.174			6.295	3,79	3,36	
Slovenia	2012	101.881	7.067	14,4	5.425	4,17	3,37	
Spain	2012	835.749	22.805	36,6	7.273.77			
Sweden	2012	347.969	5.055	70	8.361	4,22	3,42	
Sweden	2013	346.363	4.742	73	8.389.	4,26	3,42	
Taiwan	2012	59.181	536	110,4	6.185	3,82	3,24	TS(%) = 12.55; SSC(x1000/mL) = 340; UN(mg/dL) = 11.0; Citrate(mg/dL)= 191
Taiwan	2013	60.417	556	108,7	6.041	3,80	3,26	TS(%) = 12.51; SSC(x1000/mL) = 328; UN(mg/dL) = 12.0; Citrate(mg/dL)= 184
The Netherlands (by CRV)	2012	1.325.144	15.920	82	8.335	4,38	3,54	660 kgs f+p
The Netherlands (by CRV)	2013	1.393.265	15.776	87	8.217	4,39	3,55	652 kgs f+p
The Netherlands (by NVO)	2012	159.961	1.951	82	8.335	4,38	3,54	
Turkey	2012	5.431.400	2.074.439	2,62	2.942			



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Table 1 - National Milk Production (Years 2012 and 2013)

Country	Year	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 (%)	Comments
UK (England and Wales by NMR)	2012	663.154	4.212	157	9,460	4,04	3,27	
UK (England and Wales by NMR)	2013	667.005	4.062	164	9.110	4,08	3,26	
UK (England by CIS)	2012	212.038	1.231	172	7.936	4,18	3,27	
UK (England by CIS)	2013	218.606	1.236	176	7.951	4,15	3,28	
UK (Jersey)	2012	2.908	25	116	4.303	5,23	3,82	
UK (Jersey)	2013	2.970	24	123	4.407	5,31	3,80	
UK (Norther Ireland)	2012	98.473	720	136	6.878	4,11	3,29	
UK (Norther Ireland)	2013	96.060	714	134	6.926	4,08	3,30	
UK (Scotland - by NMR)	2012	13.816	49	282	10.120	3,94	3,23	
UK (Scotland - by NMR)	2013	17.691	58	305	12.200	3,96	3,24	
UK (Scotland)	2012	103.048	570	180	7.786	4,04	3,23	
UK (Scotland)	2013	101.732	555	183	7.939	4,01	3,24	
UK (Wales by CIS)	2012	28.666	189	151	7.579	4,24	3,28	
UK (Wales by CIS)	2013	30.038	189	158	7.594	4,22	3,28	
Uruguay	2012	320.000	4.305	74	6.803	3,70	3,31	source: MGAP/DIEA 2013
USA	2012	9.233.000	49.281.licensed dairies		9,842 kg/yr			USDA-NASS
USA	2013	9.221.000	46.960.licensed dairies		9,898 kg/yr	3,76		USDA-NASS

Table 2 - Position of milk recording (Methods and Organisations) (Years 2012 and 2013)

Country	Year	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per 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	Notes
Austria	2012	401.263	76,6	22.359	52,3	17,9				100		
Austria	2013	405.077	77,8	21.905		18,5				100		
Belgium (Wallonia Region)	2012	70.149	33,59	992	22,93	70.71	0	48,69	32,96	12.30 (AT4 + AT6)	1.41 (B4)	4.64 (R4 + R6)
Belgium (Wallonia Region)	2013	72.236	33,66	964		76.12	0	45,42	33,93	14.54 (AT4 + AT6)	1.16 (B4)	4.95 (R4 + R6)
Belgium (Flanders)	2012	155.575	54,7	2.572	41,3	60.5		58,3	41,7			
Belgium (Flanders)	2013	163.080	57,3	2.495	48	65,4		56,7	43,3			
Canada	2012	730.054	76,1	9.599	76,4	76.1						
Canada	2013	704.309	73,3	12.529	76,2	75.2						
Chile	2012	168.000	31,2	765	5,1	225		21,6		57,3	21,1	
Croatia	2012	102.390	57,52	6.982	53,37	14,7				61,43	38,57	
Croatia	2013	101.637	60,70	6.126	55,60	16,6				59,92	40,08	
Czech Republic	2012	351.075	94,9	1.477		238		99,4		0,6		
Czech Republic	2013	350.162	93,9	1.471		238		66,4		0,4		33.2% Milk production is measured for the whole control day (all milking during the test day) and sampling times alternate.
Denmark	2012	520.306	90	3.328	88	156		10			90	
Denmark	2013	527.000	92	3.200	89	165	0	10	0	0	90	
Estonia	2012	89.338	93,4	879	26,7	101,6					100	
Estonia	2013	90.274	93,6	833	28,1	108,4					100	
Finland	2012	227.339	80,3	6.870	71,6	33,1	-	-	-	-	97,8	C4-2,1
Finland	2013	228.954	83,9	6.489	72	35,3					97,5	C4 - 2,5

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France	2012	2,505,943	69	49,975.		50,1		36,6	6,7	AT4=10,4 , AT5=5,4 , AT6=2,2 , AT7=0,7	B4-5-6-7- 8=5,8 %, BT4- 5-6-7=0,2 %, BR4-5-6-7- 8=3,8 %, BZ4- 5-6-7=0,4 %	A5=16,7 %, A7=5,5 %, A8=1,4 %, AR4-5- 6-7-8=1,8 %, CZ4-5- 6-7=2,3 %
France	2013	2,509,627.	69	48,177.	67	52,1		35,7	6,7	AT4 = 10,4, AT5 = 5,4, AT6 = 2,3, AT7 = 0,8	B4-5-6-7- 8=6,0 %, BT4- 5-6-7=0,2 %, BR4-5-6-7- 8=4,7 %, BZ4- 5-6-7=0,4 %	A5=16,1 %, A7=5,6 %, A8=1,5 %, AR4-5- 6-7-8=2,0 %, CZ4-5- 6-7=2,3 %
Germany	2012	3,593,556	85,8	55,097	66,5	65,2		39,1		25,6	32,2	3,1
Germany	2013	3,681,146	87,8	53,154	66,8	69,3		39,0		21,7	34,9	4,4
Greece	2012	47,423		401		118,26		100				
Greece	2013	39,066		288		135,65		100				
Hungary	2012	175,920*	69,53	475*	3,06	371*	-	100	-	-	-	*(Monthly Aver.)
Hungary	2013	176,054*	69,86	470*	3,13	374*	-	100	-	-	-	*(Monthly Aver.)
India	2012	6,948						100				includes buffaloes also
Italy	2012	1,391,766		19,326		72		1,3	0,1	97,9		ROBOTIC MILKING 0.7%;All cows recorded in the period October 1st, 2011 to Sept. 30th, 2012.
Italy	2013	1,359,440		18,644		72		1,1		98,2		ROBOTIC MILKING 0.7%;All cows recorded in the period October 1st, 2012 to Sept. 30th, 2013
Japan	2012	551,780	59,8	9,158	48,7	60,3		45,2		53,9	0,9	B=B4
Jersey	2012	2,908	100	25		116		40	0	44	16%	
Jersey island	2013	2,970	100	24		123		33	0	50	17%	0%
Korea	2012	151,034	60,7	3,326	55,4	45,4		100				
Korea	2013	152,107	61,7	3,285	56,3	46,3		100				
Latvia	2012	123,316	74,9	5,303	20,6	23,2						
Latvia	2013	123,102	74,9	5,257	22,3	23,4						

Table 2 - Position of milk recording (Methods and Organisations) (Years 2012 and 2013)

Country	Year	Number of recorded cows	Percent of recorded cows	Number of recorded herds	Percent of recorded herds	Average number of cows per 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	Notes
Lithuania	2012	140.170	43	4.378	6	32		0,1		86,4	Bt - 3,5; B4 - 0,2;	Ct - 9,0 %; C4 - 0,8 %
Lithuania	2013	139.215	43,9	4.087	6	34		0,1		85,5	Bt - 4,3; B4 - 0,2;	Ct - 9,1; C4 - 0,8;
Luxembourg	2012	33.533	81,8	613	81	54,7		15,6		27,2	44,0	13,2
Luxembourg	2013	35.344	82,2	599	80	59		15,7		27,2	40,7	16,4
New Zealand	2012	3.426.211	71,6	8.682	72,2	394	null	null	null	21,76	78,23	null
Norway	2012	200.583	98	8.492	98,5	23,6					100	
Norway	2013	192.807	98	7.960	98	24,2					100	
Poland	2012	653.249	27,98	19.916	5,47	32,8		14,94		76,64 (AT4)		% of recorded herds per method A8-8,42; % of recorded cows per method: A4 - 27,38; AT4 - 67-28, A8 - 5,34
Poland	2013	679.028	30,49	20.334	6,28	33,4		14,60		78,50 (AT4)		% of recorded herds per method A8-6,90; % of recorded cows per method: A4 - 26,6; AT4 - 69,0; A8 - 4,4
Slovenia	2012	82.132	80,6	4.333	61,3	19,0				100	AT4	
Spain	2012	499.981		7.546		66,25		15,51		81,8		2,69 (AMS)
Sweden	2012	286.840	84	3.798	76	72,0					B4: 100	
Sweden	2013	280.930	84	3.511	76	76,1					B4:100%	
Taiwan	2012	26.227	44,3	186	34,7	141		100				Highest Milk Yield = 71 Kg/Day; Highest Herd Average = 34,14Kg/Day
Taiwan	2013	24.870	41,2	170	30,6	146		100				Highest Milk Yield = 72 Kg/Day; Highest Herd Average = 34,84Kg/Day
The Netherlands (by CRV)	2012	1.325.144	89,3	15.920	85,2	83,2	1,0	45,5	46,5		n.a.	7,0% A5
The Netherlands (by CRV)	2013	1.393.265	89,7	15.776	85,3	88,3	0,9	43	48,8			7,3% A5

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The Slovak Republic	2012	126.332	80,25	561		225		1,74		98,26		
The Slovak Republic	2013	120.805	82,43	569		212		1,12		98,48		
Turkey	2012	1.853.202	34,1	138.404	6,7	13,39	0	0	0	0	100	
Turkey	2013	1.930.586	35,5	163.027	7,86	11,84	0	0	0	0	100	
UK (England & Wales)	2012	508.132	76,6	4.371		157	0.04	74,3	2.7	40.8	20.7	2.2
UK (England and Wales)	2013	491.266	73,7	4.130		164	0.09	74,1	2.5	42.6	20.9	
UK (England)	2012	212.038		1.231		172		32	7	24	36%	1%
UK (England)	2013	218.606		1.236		176		31	6	25	36%	2%
UK (Northern Ireland)	2012	98.473		289		136		40	6	32	16%	
UK (Northern Ireland)	2013	96.060		714		134		39	6	34	16%	6%
UK (Northern Ireland)	2013	30.108	56,7	332		144	0.3	48,1	8.2	44.6	15.8	
UK (Scotland)	2012	8.616	62,4	46		282	0	70,8	2.1	25	27.1	0
UK (Scotland)	2012	103.048		570		180		64	4	12	16%	4%
UK (Scotland)	2012	8.616	62,4	46		282	0	70,8	2.1	25	27.1	0
UK (Scotland)	2013	10.706	60,5	51		305	0	74,5	3.8	24.4	21.5	
UK (Scotland)	2013	101.732		555		183		64	3	14	15%	4%
UK (Scotland)	2013	10.706	60,5	51		305	0	74,5	3.8	24.4	21.5	
UK (Wales)	2012	28.666		189		151		25	5	29	38%	2%
UK (Wales)	2012	28.666		189		151		25	5	29	38%	2%
UK (Wales)	2013	30.038		189		158		25	5	33	35%	2%
UK (Wales)	2013	30.038		189		158		25	5	33	35%	2%



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Table 2 - Position of milk recording (Methods and Organisations) (Years 2012 and 2013)

Country	Year	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	Notes
Uruguay	2012	92.000	28,7	448	10,2							Source: National Genetic Evaluation Report 2012
USA	2012	4.414.231		19.687		224		26,5		73,5		DHI Participation
USA	2013	4.378.350		19.030		230		26,9		73,1		DHI Participation

Table 3 - Costs and financing (Years 2012 and 2013)

Country	Year	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
Austria	2012			31,13 €				52.5%		
Chile	2012	15,5		13,1	12,3	100%		100%	30%	
Croatia	2012			35	30			50%	50%	
Croatia	2013			35	30			50%	50Y	
Czech Republic	2012	49,0		43,0						
Czech Republic	2013									
Denmark	2012	73			49	100%			100%	365 days rolling average
Denmark	2013	60			45	100%			100%	Cost expressed in value of kg milk per cow
Estonia	2012				17,2				80%	
Estonia	2013				16,7				80%	
France	2012	48,3 €	48,3 €	41,2 €	37,0 €	100%	100%	100%	100%	
France	2013	47,8 €	47,8 €	47,8 €	36,6 €	100%	100%	100%	100%	
Greece	2012	22,1				30%				
Greece	2013	24,14				30%				
Hungary	2012	34,4	-	-	-	100	-	-	-	
Hungary	2013	31,7	-	-	-	100	-	-	-	
Italy	2013	not available	not available	not available	not available	not available	not available	not available	not available	
Latvia	2012	6,60	-	-	6,60	-	-	-	0	-
Latvia	2013	6,60			6,60				0	
Lithuania	2012	31,1 €		33,6 €	Bt-13,7 €; B4-14,1 €	43%		47%	Bt-42,8; B4-44,5	Ct-16,6 €; C4-17,2 €
Lithuania	2013	32,2 €		34,0 €	Bt-14,3 €; B4-15,1 €	40%		37%	Bt-48,3; B4-48,7;	Ct - 17,2 € ; C4 - 17,9 € ;
New Zealand	2012				14.83				NZ Has no subsidies 100% cost price paid by producer	
Norway	2012				70				100%	
Scotland	2012					100%	100%	100%	100%	
Slovak Republic	2012	64		48		67%		67%		
Slovak Republic	2013	58,9		44,90		67%		67%		

Table 3 - Costs and financing (Years 2012 and 2013)

Country	Year	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
Slovenia	2012			110				20%		AT4
Spain	2012	138 (milk kg)		138 (milk kg)		70%		70%		
Sweden	2012				B4: 45 kg of milk.				100%	
Sweden	2013				B4: 45 kg milk				100%	
Taiwan	2012	24.0				100%				Dairy Association Taiwan
Taiwan	2013	26.9				100%				Dairy Association Taiwan
Turkey	2012	0	0	0	16,54 Euro	0	0	0	100%	
Turkey	2013	0	0	0	18,00 Euro	0	0	0	100%	
Uruguay	2012					100%	100%	100%	100%	
USA	2001-2013					100%	100%	100%	100%	www.dhia.org

Table 4.1 - All breeds together - All recorded cows (Years 2012 and 2013)

Country	Year	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)	Notes
Australia	2012	525.908	324	6.930	6.930	4.00	3.30		
Australia	2013	511.923	322	6.881	6.881	4.00	3.30		
Austria	2012	337.988	299		7.148	4.14	3.41	398	
Austria	2013	339.032	299		7.200	4.14	3.40	398	
Belgium (Wallonia Region)	2012	52.268	361	8.779	7.723	4.01	3.38	422	
Belgium (Wallonia Region)	2013	50.664	358	8.420	7.462	4.01	3.37	418	
Belgium Flanders	2012	83.945	357	9.466		4.13	3.42	418	715 kgs f+p
Belgium Flanders	2013	83.210	357	9.354		4.16	3.43	418	711 kgs f+p
Canada	2012	310.695	305		9.780	3.85	3.22	428	
Canada	2013	307.491	305		9.902	3.88	3.22	426	
Chile	2012	148.657	321	7.362	7.886	3.64	3.42	409	
Croatia	2012	92.014	364	6.768	5.779	4.00	3.29	424	
Croatia	2013	81.917	367	6.887	5.893	4.02	3.30	427	
Czech Republic	2012	288.015	297	8.047	8.209	3.87	3.38	407	
Czech Republic	2013	285.422	297	8.267	8.434	3.84	3.38	406	
Denmark	2012	520.306	365	9.019		4.30	3.46		365 days rolling average
Denmark	2013	512.808	365	9.138		4.30	3.47		365 d. rolling average
Estonia	2012	89.616	341	8.059	8.060	4.00	3.35	421	
Estonia	2013	90.702	337	8.416	8.366	3.96	3.33	419	
Finland	2012	227.339	305	8.865	8.939	4.15	3.39	418	
Finland	2013	228.954	305	8.958	9.034	4.14	3.36	418	
France	2012	2.505.943	339	8.561	8.429	3.90	3.35	419	
France	2013	2.509.627	342	8.415	8.274	3.90	3.33	420	
Germany	2012	3.556.203	322	8.237	8.132	4.12	3.42	405	
Germany	2013	3.617.362	321	8.221	8.129	4.12	3.41	405	
Hungary	2012	133.476	298	8.899		3.63	3.30	443	1stC_A/days/ 815
Hungary	2013	132.600	298	8.835		3.72	3.29	437	1stC_A/days/ 816

Table 4.1 - All breeds together - All recorded cows (Years 2012 and 2013)

Country	Year	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)	Notes
India	2012	3.928	305		3.337				Recorded cows
India	2013	7.030	305		2.728				Recorded cows
Israel	2012	72.925	359	13.247	11.689	3.65	3.24	420	
Israel	2013	71.546	366	13.075	11.363	3.68	3.24	425	
Italy	2012	868.393	305	8.546	8.546	3.70	3.34		Period oct 1st,2011-sep 30th, 2012. Closed lactations having length greater than 200 days; conventional 305 days length
Italy	2013	851.717	305	8.611	8.611	3.74	3.33		Period oct 1st,2012-sep 30th, 2013. Closed lactations having length greater than 200 days; conventional 305 days length
Japan	2012	369.623	368	10.403	9.273	3.97	3.31	435	
Korea	2012	306.998	305		9.771	3.80	3.18	464.6	2.4
Korea	2013	309.063	305		9.737	3.83	3.18	461.8	2.3
Latvia	2012	94.733	369	6.489	6.357	4.18	3.25		
Latvia	2013	96.134	369	6.584	6.589	4.12	3.25		
Lithuania	2012	107.889	305	6.703	6.399	4.34	3.35	422	
Lithuania	2013	103.862	305	6.766	6.639	4.31	3.30	421	
Luxembourg	2012	33.533		7.861		4.16	3.41	426	
Luxembourg	2013	35.344		7.500		4.17	3.37	425	
New Zealand	2012	2.509.436	211	4.127	5.211	4.62	3.67	Not available at this stage	
Norway	2012	148.765	300	7.303	6.860	4.16	3.37	380	
Norway	2013	147.180	301	7.435	7.068	4.21	3.39	381	
Poland	2012	653.249	305	7.396	7.396	4.15	3.36	433	
Poland	2013	679.029	305	7.441	7.441	4.16	3.36	434	
Slovak Republic	2012	89.592	296	7.063	7.223	3.92	3.31	430	
Slovak Republic	2013	89.220	296	7.268	7.433	3.91	3.32	425	
Slovenia	2012	82.022	366	7.086	6.224	4.00	3.32	421	
Spain	2012	348.238	369	11.115	9.504	3.63	3.2	441	
Sweden	2012	286.840	365	9.261		4.21	3.45	407	365 days rolling average
Sweden	2013	280.930	365	9.244		4.23	3.45	407	365 days rolling average

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Table 4.1 - All breeds together - All recorded cows (Years 2012 and 2013)

Country	Year	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)	Notes
Taiwan	2012	22.260	381	8.900	7.639	3.82	3.24	446	Age at First Calf = 27 month
Taiwan	2013	20.813	388	9.277	7.728	3.80	3.26	440	Age at First Calf = 26 month
The Netherlands	2012	860.597	356	9.503		4.37	3.54	417	751 kgs f+p
The Netherlands	2013	905.385	355	9.339		4.37	3.53	417	738 kgs f+p
UK (England & Wales)	2012	519.436	360	9.460	8.300	4.04	3.27	419	
UK (England & Wales)	2013	500.017	357	9.110	8.040	4.08	3.26	416	
UK (England)	2012	231.192	335	9.351	8.194	4.02	3.19	424	
UK (England)	2013	235.679	334	9.096	8.008	4.06	3.18	422	
UK (Jersey)	2012	3.089	321	5.185	4.756	5.15	3.7	403	
UK (Jersey)	2013	3.192	327	5.164	4.712	5.24	3.69	405	
UK (Northern Ireland)	2012	100.130	327	8.340	7.370	4.00	3.22	419	
UK (Northern Ireland)	2013	96.536	325	8.196	7.257	4.02	3.22	418	
UK (Northern Ireland)	2013	30.695	348	8.850	7.890	4.07	3.26	410	
UK (Scotland)	2012	113.334	333	9.016	7.947	3.89	3.12	424	
UK (Scotland)	2012	8.799	355	10.120	8.860	3.94	3.23	409	
UK (Scotland)	2013	10.902	359	10.200	9.070	3.96	3.24	410	
UK (Scotland)	2013	111.024	330	8.932	7.906	3.90	3.11	420	
UK (Scotland)	2013	10.902	359	10.200	9.070	3.96	3.24	410	
UK (Wales)	2012	30.585	336	8.929	7.833	4.11	3.18	427	
UK (Wales)	2013	32.390	337	8.700	7.660	4.14	3.19	421	
USA	2012	4,414.231	305	10.459.kg/yr	10.459.kg/yr	3.73	3.11		DHI Herd Averages
USA	2013	4,378.350	305	10.613.kg/yr	10.613.kg/yr	3.77	3.12		DHI Herd Averages

Table 4.2 - All breeds together - Cows in herdbook (Years 2012 and 2013)

Country	Year	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)	Notes
Austria	2012	326.190	299		7.177	4.14	3.41		
Austria	2013	326.176	299		7.234	4.14	3.40		
Czech Republic	2012	273.074	297	8.138	8.283	3.87	3.39	407	(Holstein, Fleckvieh)
Czech Republic	2013	275.128	297	8.270	8.437	3.85	3.40	405	(Holstein, Fleckvieh)
Denmark	2012	520.306	365	9.019		4.30	3.46		365 days rolling average
Denmark	2013	512.808	365	9.138		4.30	3.47		365 d. rolling average
Estonia	2012	77.398	347	8.226	8.218	3.99	3.35	422	
Estonia	2013	78.942	342	8.599	8.521	3.94	3.34	420	
Finland	2012	36.859	305		9.736	4.09	3.38	418	
Finland	2013	40.908	305		9.750	4.11	3.36	418	
France	2012	2.505.943	339	8.561	8.429	3.90	3.35	419	
France	2013	2.509.627.	342	8.415	8.274	3.90	3.33	420	
Germany	2012	2.660.882	322	8.491	8.357	4.10	3.42	408	
Germany	2013	2.726.250	321	8.471	8.347	4.11	3.42	408	
Hungary	2012	125.348	298	8.986		3.82	3.29	443	
Hungary	2013	126.304	298	8.918		3.71	3.28	438	
Italy	2012	868.393	305	8.564	8.564	3.70	3.34		Period oct 1st,2011-sep 30th, 2012.Closed lactations having length greater than 200 d; conventional 305 d yields
Italy	2013	851.717	305	8.611	8.611	3.74	3.33		Period oct 1st,2012-sep 30th, 2013.Closed lactations having length greater than 200 d; conventional 305 d yields
Japan	2012	329.304	366	10.409		3.98	3.31	434	
Latvia	2012	37.002	364		7.133	4.23	3.27		
Latvia	2013	39.827	368		7.521	4.19	3.28		
New Zealand	2012 and 2013								National member could not obtain information for the main breed (JerseyNZ) cows in herdbook and therefore only those available are listed in other section of the database
UK (Northern Ireland)	2012	50.824	333	9.071	7.974	4.00	3.20	426	
UK (Northern Ireland)	2013	47.656	331	8.955	7.908	4.01	3.20	425	
Poland	2012	495.063	305	7.360	7.360	4.06	3.28		
Poland	2013	511.230	305	7.446	7.446	4.09	3.30		
UK (Scotland)	2012	64.655	337	905	8.335	3.92	3.14	428	
UK (Scotland)	2013	62.991	332	9.363	8.255	3.94	3.15	424	
Slovak Republic	2012	63.761	296	7.389	7.557	3.94	3.33	422	
Slovak Republic	2013	62.670	296	7.498	7.668	3.94	3.34	418	

Table 4.2 - All breeds together - Cows in herdbook (Years 2012 and 2013)

Country	Year	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)	Notes
Slovenia	2012	82.022	366	7.086	6.224	4.00	3.32	421	
Spain	2012	348.238	369	11.115	9.504	3.63	3.20	441	
Turkey	2012	279.673	351	6.618	5.651			426	
UK (England by CIS)	2012	173.683	338	9.651	8.436	4.01	3.18	426	
UK (Wales by CIS)	2012	25.985	339	9.184	8.029	4.12	3.18	430	
UK (England by CIS)	2013	174.991	336	9.411	8.270	4.04	3.17	423	
UK (Wales by CIS)	2013	27.199	340	8.983	7.887	4.13	3.17	424	
UK (Scotland by NMR)	2012	2.208	355	10.960	9.710	3.89	3.19	412	
UK (Scotland by NMR)	2013	3.406	365	11.330	9.950	3.88	3.21	418	
UK (England & Wales by NMR)	2012	245.275	362	9.940	8.710	4.05	3.26	422	
UK (England & Wales by NMR)	2013	233.320	359	9.600	8.460	4.07	3.25	419	
UK (Jersey)	2012	3.088	321	5.186	4.756	5.15	3.70	403	
UK (Jersey)	2013	3.191	327	5.164	4.712	5.24	3.69	406	
UK (Northern Ireland by NMR)	2013	10.606	353	9.640	8.580	4.12	3.25	415	
UK (Scotland by NMR)	2012	2.208	355	10.960	9.710	3.89	3.19	412	
UK (Scotland by NMR)	2013	3.406	365	11.330	9.950	3.88	3.21	418	
The Netherlands (by CRV)	2012	749.650	356	9.622		4.36	3.53	417	760kgs f+p
The Netherlands (by CRV)	2013	787.189	356	9.448		4.36	3.54	417	746 kgs f+p

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
Austria	Braunvieh	2012	44.058	301		7.094	4,15	3,46		
Austria	Braunvieh	2013	42.647	301		7.111	4,16	3,45		
Austria	Fleckvieh	2012	247.168	298		7.039	4,15	3,42		
Austria	Fleckvieh	2013	249.030	298		7.103	4,15	3,41		
Austria	Grauvieh	2012	3.041	294		4.913	3,94	3,28		
Austria	Grauvieh	2013	3.100	294		4.934	3,97	3,29		
Austria	Holstein	2012	36.421	300		8.473	4,10	3,29		
Austria	Holstein	2013	36.934	300		8.483	4,09	3,27		
Austria	Pinzgauer	2012	6.235	298		5.524	3,88	3,28		
Austria	Pinzgauer	2013	6.181	298		5.616	3,88	3,27		
Belgium (Wallonia Region)	Blanc-Bleu Belge	2012	2.292	302	4.452	4.295	3,66	3,27	386	
Belgium (Wallonia Region)	Blanc-Bleu Belge	2013	2.100	301	4.112	3.957	3,64	3,25	388	
Belgium (Wallonia Region)	HF Red & White	2013	13.031	356	8.963	8.093	4,32	3,49	418	700 kgs f+p
Belgium (Wallonia Region)	Holstein	2012	42.180	366	9.168	8.018	4,00	3,37	425	
Belgium (Wallonia Region)	Holstein	2013	41.106	362	8.775	7.737	4,00	3,36	421	
Belgium (Wallonia Region)	Montbéliarde	2012	698	350	8.214	7.389	3,90	3,45	406	
Belgium (Wallonia Region)	Montbéliarde	2013	685	348	7.737	6.970	3,89	3,46	409	
Belgium (Wallonia Region)	Normande	2012	326	348	6.863	6.195	4,16	3,55	412	
Belgium (Wallonia Region)	Normande	2013	319	345	6.541	5.942	4,20	3,54	409	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
Belgium (Wallonia Region)	Red Holstein	2012	6.772	354	7.973	7.153	4.17	3.42	416	
Belgium (Wallonia Region)	Red Holstein	2013	6.454	351	7.729	6.979	4.17	3.41	410	
Belgium Flanders	HF Black&White	2012	48.297	363	10.118	8.980	4.07	3.41	418	757 kgs f+p
Belgium Flanders	HF Black&White	2013	41.966	362	10.071	8.960	4.10	3.43	418	758 kgs f+p
Belgium Flanders	HF Red&White	2012	17.672	357	8.998	8.007	4.30	3.49	418	701 kgs f+p
Canada	Ayrshire	2012	8.499	305		7.659	4.05	3.36		
Canada	Ayrshire	2013	8.499	305		7.659	4.05	3.36		
Canada	Brown Swiss	2012	1.883	305		8.258	4.14	3.51		
Canada	Brown Swiss	2013	1.877	305		8.254	4.13	3.51		
Canada	Canadienne	2012	168	305		5.883	4.24	3.55		
Canada	Canadienne	2013	168	305		5.883	4.24	3.55		
Canada	Guernsey	2012	374	305		6.831	4.60	3.44		
Canada	Guernsey	2013	374	305		6.831	4.60	3.44		
Canada	Holstein	2012	288.712	305		9.979	3.80	3.19		
Canada	Holstein	2013	288.717	305		9.979	3.80	3.19		
Canada	Jersey	2012	10.726	305		6.607	4.91	3.79		
Canada	Jersey	2013	10.726	305		6.607	4.91	3.79		
Canada	Milking Shorthorn	2012	333	305		7.061	3.73	3.28		
Canada	Milking Shorthorn	2013	333	305		7.061	3.73	3.28		
Croatia	Brown	2012	2.109	366	6.624	5.624	3.97	3.42	436	
Croatia	Brown	2013	1.740	361	6.629	5.631	3.98	3.42	426	
Croatia	Holstein	2012	37.278	382	8.231	6.898	3.98	3.26	442	
Croatia	Holstein	2013	34.833	391	8.420	7.052	3.99	3.28	437	
Croatia	Simmental	2012	52.228	351	5.778	5.007	4.03	3.31	408	
Croatia	Simmental	2013	45.056	349	5.798	5.028	4.04	3.32	400	
Czech Republic	Fleckvieh	2012	110.303	295	6.764	6.935	4.00	3.50	396	
Czech Republic	Fleckvieh	2013	108.089	295	6.960	7.136	3.97	3.50	396	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
Czech Republic	Holstein	2013	157.315	299	9.275	9.414	3.76	3.31	414	
Czech Republic	Montbéliarde	2012	1.050	297	8.032	8.194	3.87	3.48	398	
Czech Republic	Montbéliarde	2013	1.000	297	8.293	8.460	3.83	3.47	391	
Denmark ¹	Ayrshire	2013	305	365	8.196		4.45	3.45		
Denmark ¹	Ayrshire	2013	305	365	8.196		4.45	3.45		
Denmark ¹	Danish Holstein	2012	370.569	365	9.529		4.09	3.49		
Denmark ¹	Danish Holstein	2013	363.282	365	9.661		4.09	3.38		
Denmark ¹	Danish Holstein	2013	363.282	365	9.661		4.09	3.38		
Denmark ¹	Jersey	2012	68.044	365	6.665		5.93	4.11		
Denmark ¹	Jersey	2013	67.779	365	6.787		5.91	4.11		
Denmark ¹	Jersey	2013	67.779	365	6.787		5.91	4.11		
Denmark ¹	Red Danish	2012	36.585	365	8.734		4.29	3.49		
Denmark ¹	Red Danish	2013	34.697	365	8.820		4.30	3.51		
Denmark ¹	Red Danish	2013	34.697	365	8.820		4.30	3.51		
Denmark ¹	Red Holstein	2012	5.545	365	8.548		4.25	3.42		
Denmark ¹	Red Holstein	2013	5.127	365	8.713		4.21	3.41		
Denmark ¹	Red Holstein	2013	5.127	365	8.713		4.21	3.41		
Estonia	Estonian Holstein	2012	70.511	344	8.232	8.235	3.96	3.33	425	
Estonia	Estonian Holstein	2013	71.716	339	8.611	8.551	3.92	3.32	422	
Estonia	Estonian Red	2012	18.294	331	7.539	7.515	4.12	3.41	407	
Estonia	Estonian Red	2013	18.175	330	7.820	7.766	4.08	3.41	407	
Finland	Finnish Ayrshire	2012	138.865	305	8.571	8.650	4.28	3.44	417	
Finland	Finnish Ayrshire	2013	135.381	305	8.644	8.731	4.27	3.41	418	
Finland	Finnish Cattle	2012	2.705	305	6.109	6.238	4.40	3.46	403	
Finland	Finnish Cattle	2013	2.718	305	6.117	6.265	4.42	3.44	407	
Finland	Holstein	2012	85.535	305	9.434	9.497	3.95	3.31	421	
Finland	Holstein	2013	80.231	305	9.518	9.574	3.96	3.29	418	
Finland	Jersey	2012	125	305	7.750	7.426	4.69	3.59	426	
Finland	Jersey	2013	237	305	7.872	7.522	4.74	3.58	406	
France ²	Abondance	2012	22.763	293	5.302	5.545	3.71	3.49	401	
France	Abondance	2013	22.728	297	5.243	5.460	3.72	3.48	401	
France	Brune	2012	17.235	339	7.401	7.170	4.13	3.56	426	
France	Brune	2013	17.138	337	7.141	6.979	4.13	3.54	426	
France	Montbéliarde	2012	415.552	310	7.027	7.209	3.86	3.42	398	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
France	Montbéliarde	2013	421.130	314	6.861	7.023	3.86	3.41	399	
France	Normande	2012	229.635	322	6.546	6.689	4.20	3.61	402	
France	Normande	2013	225.713	325	6.412	6.524	4.19	3.58	404	
France	Pie rouge de plaines	2013	10.114	332	7.673	7.716	4.20	34.2	411	
France	Pie rouge des plaines	2012	10.221	328	7.791	7.788	4.17	3.44	406	
France	Prim'Holstein	2012	1.687.730	352	9.411	9.135	3.87	3.30	429	
France	Prim'Holstein	2013	1.681.336	355	9.276	8.995	3.87	3.28	430	
France	Simmental Française	2012	16.045	305	6.151	6.401	4.00	3.52	394	
France	Simmental française	2013	16.335	304	5.909	6.158	4.01	3.52	394	
Germany	Braunvieh	2012	169.045	326	7.126	7.036	4.23	3.58	416	
Germany	Braunvieh	2013	167.609	324	7.033	6.998	4.24	3.58	415	
Germany	Fleckvieh	2012	886.500	326	7.243	7.049	4.14	3.49	394	
Germany	Fleckvieh	2013	890.211	317	7.211	7.069	4.16	3.50	393	
Germany	Holstein B&W	2012	2.076.830	324	8.865	8.807	4.07	3.38	415	
Germany	Holstein B&W	2013	2.123.027	322	8.855	8.791	4.07	3.37	415	
Germany	Holstein R&W	2012	237.152	321	7.921	7.916	4.22	3.40	410	
Germany	Holstein R&W	2013	241.082	320	7.867	7.859	4.23	3.40	411	
Hungary	Hungarian Holstein Friesian	2012	122.513	298	9.058		3.81	3.29	444	
Hungary	Hungarian Holstein Friesian	2013	123.468	298	8.988		3.70	3.28	438	1stC_A/days/ 813
Hungary	Hungarian Red Spotted	2012	2.835	294	5.889		4.05	3.48	412	
Hungary	Hungarian Red Spotted	2013	2.836	292	5.852		4.04	3.45	416	1stC_A/days/ 872
India	Gir	2012	55	305		2.898				
India	Gir	2013	353	305		2.729				
India	HF Crossbred	2012	1.494	305		3.190				
India	HF Crossbred	2013	1.776	305		2.968				
India	Holstein Friesian	2012	1.521	305		4.024				
India	Holstein Friesian	2013	1.424	305		3.817				
India	Jaffarabadi Buffalo	2012	79	305		3.136				
India	Jaffarabadi Buffalo	2013	265	305		3.021				
India	Jersey Crossbred	2012	468	305		2.221				
India	Jersey Crossbred	2013	2.635	305		2.012				
India	Kankrej	2012	284	305		2.605				
India	Kankrej	2013	525	305		2.531				
India	Mehsana Buffalo	2012	1.758	305		2.267				
India	Mehsana Buffalo	2013	1.089	305		2.110				
India	Murrah	2012	1.183	305		2.089				
India	Murrah	2013	1.202	305		2.497				

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
India	Rathi	2012	106	305		2.666				
India	Rathi	2013	317	305		2.761				
Italy ³	Grey of alps (Grigio alpina)	2012	6.878	305	4.924		3.72	3.36		
Italy ³	Grey of alps (Grigio Alpina)	2013	6.775	305	4.903		3.72	3.35		
Italy ³	Italian brown (Bruna italiana)	2012	59.032	305	305	6.976	3.97	3.54		
Italy ³	Italian brown (Bruna italiana)	2013	55.554	305	7.058		4.00	3.55		
Italy ³	Italian friesian (Frisona italiana)	2012	699.480	305	9.072		3.66	3.31		
Italy ³	Italian friesian (Frisona italiana)	2013	684.212	305	9.140		3.70	3.30		
Italy ³	Italian red spotted (Pezzata rossa italiana)	2012	41.272	305	6.530		3.86	3.43		
Italy ³	Italian red spotted (Pezzata rossa italiana)	2013	42.133	305	6.535		3.89	3.42		
Italy ³	Valdostana red spotted (Valdostana pezzata rossa)	2012	9.778	305	3.739		3.49	3.33		
Italy ³	Valdostana red spotted (Valdostana pezzata rossa)	2013	9.705	305	3.745		3.49	3.29		
Japan	Holstein	2012	366.548	368	10.434		3.97	3.31	435	
Japan	Jersey	2012	2.461	339	6.397		5.07	3.91	417	
Korea	Holstein	2012	306.998	305		9.771	3.80	3.18	464.6	
Korea	Holstein	2013	309.063	305		9.737	3.83	3.18	461.8	2.3
Latvia	Holstein Black and White	2012	36.933	377		7.096	4.04	3.18		
Latvia	Holstein Black and White	2013	41.852	379		7.376	3.98	3.19		
Latvia	Latvian Blue	2012	495	342		4.874	4.27	3.31		
Latvia	Latvian Blue	2013	479	347		4.955	4.23	3.33		
Latvia	Latvian Brown	2012	43.851	355		5.768	4.36	3.31		
Latvia	Latvian Brown	2013	44.281	357		6.017	4.33	3.33		
Lithuania	Holstein B&W	2012	2.873	305	7.521	7.356	4.29	3.38	451	
Lithuania	Holstein B&W	2013	3.131	305	7.683	7.598	4.24	3.35	439	
Lithuania	Lithuanian B & W	2012	75.311	305	6.659	6.368	4.31	3.31	423	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Lithuania	Lithuanian B & W	2013	71.430	305	6.717	6.597	4.31	3.29	423	
Lithuania	Lithuanian Native Ash-grey	2012	176	305	5.795	5.252	4.24	3.28	389	
Lithuania	Lithuanian Native Ash-grey	2013	520	305	5.780	5.469	4.25	3.26	392	
Lithuania	Lithuanian R & W	2012	23.348	305	6.620	6.283	4.45	3.45	415	
Lithuania	Lithuanian R & W	2013	22.626	305	6.670	6.535	4.44	3.41	414	
Lithuania	Native White-back	2012	376	305	5.826	5.354	4.39	3.30	411	
Lithuania	Native White-back	2013	428	305	5.826	5.689	4.37	3.27	404	
Luxembourg	Holstein-RBT	2012	4.675		7.115		4.33	3.46	421	
Luxembourg	Holstein-RBT	2013	4.717		6.747		4.33	3.41	423	
Luxembourg	Holstein-SBT	2012	26.847		8.074		4.12	3.39	428	
Luxembourg	Holstein-SBT	2013	28.254		7.710		4.14	3.36	426	
New Zealand	Ayrshire	2012	18.545	219	4.059	5154	4.26	3.48	Not Available at this stage	
New Zealand	Friesian	2012	925.203	211	4.555	5932	4.24	3.53	Not Available at this stage	
New Zealand	Friesian/Jersey Cross	2012	1.225.542	212	4.057	5267	4.75	3.75	Not Available at this stage	
New Zealand	Jersey	2012	340.146	210	3.217	4203	5.45	4.00	Not Available at this stage	
Norway	Holstein	2012	1.059	326		8.616	4.06	3.32	393	
Norway	Holstein	2013	1.227	326		8.775	4.08	3.32	395	
Norway	Jersey	2012	855	310		5.584	5.77	3.87	394	
Norway	Jersey	2013	862	316		5.761	5.95	3.89	396	
Country	Breed	Year	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)	Notes
Norway	Norwegian Red (NRF)	2012	140.650	300		6.870	4.15	3.37	380	
Norway	Norwegian Red (NRF)	2013	138.715	301		7.074	4.20	3.38	380	
Poland	Jersey	2012	1.051	305	5.711	5.711	5.20	3.83	412	
Poland	Jersey	2013	1.048	305	5.746	5.746	5.19	3.83	412	
Poland	Montbeliarde	2012	2.252	305	7.205	7.205	3.99	3.51	409	
Poland	Montbeliarde	2013	2.428	305	7.224	7.224	4.03	3.50	417	
Poland	Polish black-white	2012	2.125	305	4.622	4.622	4.13	3.28	424	
Poland	Polish black-white	2013	2.082	305	4.659	4.659	4.18	3.28	417	
Poland	Polish holstein-friesian	2012	579.082	305	7.533	7.533	4.13	3.35	436	
Poland	Polish holstein-friesian	2013	594.611	305	7.588	7.588	4.15	3.35	438	
Poland	Polish holstein-friesian	2012	20.163	305	6.874	6.874	4.19	3.37	423	
Poland	Polish holstein-friesian	2013	21.561	305	6.936	6.936	4.21	3.38	423	
Poland	Polish red-white	2012	3.446	305	4.679	4.679	4.10	3.25	409	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
Poland	Simmental	2012	9,712	305	5,826	5,826	4,14	3,45	412	
Poland	Simmental	2013	10,150	305	5,862	5,862	4,18	3,45	413	
Romania	Baltata Romaneasca (Simmental)	2012	716	386	6,301	5,145	3,70	3,06	422	Age of first calving - 32 months
Romania	Baltata Romaneasca (Simmental)	2013	2,658	377	6,128	5,903	4,03	3,32	411	Age of first calving - 32 months
Romania	Montbeliard	2013	306	371	6,610	6,642	4,01	3,43	396	Age of first calving - 31 months
Slovak Republic	Cross breeds	2012	44,733	295	6,555	6,721	3,97	3,33	427	
Slovak Republic	Cross breeds	2013	42,160	296	6,689	6,841	3,96	3,34	423	
Slovak Republic	Holstein	2012	31,514	298	8,407	8,554	3,85	3,27	422	
Slovak Republic	Holstein	2013	32,996	298	8,571	8,722	3,82	3,26	434	
Slovak Republic	Slovak Pinzgauer	2012	772	289	4,259	4,434	3,84	3,41	421	
Slovak Republic	Slovak Pinzgauer	2013	759	290	4,269	4,433	3,87	3,42	417	
Slovak Republic	Slovak Simmental	2012	12,573	294	5,676	5,834	4,02	3,43	410	
Slovak Republic	Slovak Simmental	2013	13,305	294	5,905	6,070	4,03	3,44	409	
Slovenia	Brown	2012	11,519	370	6,422	5,587	4,06	3,39	428	
Slovenia	Holstein	2012	32,316	380	8,538	7,345	3,95	3,27	430	
Slovenia	Simmental	2012	32,304	353	6,009	5,375	4,05	3,36	417	
Spain	Frisona	2012	347,317	369	11,115	9,504	3,63	3,20	441	
Spain	Parda alpina	2012	921	327	7,394	6,526	3,65	3,56	386	
Sweden	Swedish Holstein	2012	148,461	365	9,771		4,08	3,37	413	
Sweden	Swedish Holstein	2013	147,924	365	9,764		4,10	3,38	413	
Sweden	Swedish Jersey	2012	2,064	365	6,731		5,83	4,03	410	
Sweden	Swedish Jersey	2013	2,021	365	6,753		5,85	4,04	398	
Sweden	Swedish Polled	2012	1,152	365	5,461		4,39	3,55	413	
Sweden	Swedish Polled	2013	1,023	365	5,372		4,48	3,56	413	
Sweden	Swedish Red	2012	116,573	365	8,753		4,36	3,56	398	
Sweden	Swedish Red	2013	114,144	365	8,689		4,38	3,58	398	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Taiwan	Jersey	2012	217	324	6,092	5,735	4,98	3,78	418	Age at First Calf = 26 month
Taiwan	Jersey	2013	180	328	5,904	5,813	5,08	3,78	415	Age at First Calf = 26 month
UK (England & Wales by NMR)	Ayrshire	2012	11,580	334	7,384	6,827	4,11	3,34	406	
UK (England & Wales by NMR)	Ayrshire	2013	10,528	338	7,198	6,607	4,15	3,35	406	
UK (England & Wales by NMR)	British Friesian	2012	7,266	336	7,368	6,778	4,14	3,34	401	
UK (England & Wales by NMR)	British Friesian	2013	13,382	342	7,414	6,702	4,13	3,31	398	
Country	Breed	Year	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)	Notes
UK (England & Wales by NMR)	Guernsey	2012	4,349	360	6,714	5,953	4,89	3,59	420	
UK (England & Wales by NMR)	Guernsey	2013	4,130	362	6,605	5,806	4,96	3,60	421	
UK (England & Wales by NMR)	Holstein	2012	461,934	362	9,801	8,572	3,99	3,24	421	
UK (England & Wales by NMR)	Holstein	2013	437,244	360	9,433	8,297	4,02	3,23	418	
UK (England & Wales by NMR)	Jersey	2012	15,889	339	6,361	5,789	5,24	3,82	401	
UK (England & Wales by NMR)	Jersey	2013	15,065	342	6,235	5,623	5,32	3,81	402	
UK (England & Wales by NMR)	Shorthorn	2012	6,203	322	6,696	6,291	3,93	3,31	397	
UK (England & Wales by NMR)	Shorthorn	2013	7,788	325	6,756	6,306	4,05	3,33	389	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

UK (England by CIS)	Ayrshire	2013	2,080	312	7,139	6,543	4,23	3,27	409	
UK (England by CIS)	Brown Swiss	2012	798	345	7,782	6,777	4,26	3,38	420	
UK (England by CIS)	Brown Swiss	2013	846	343	7,130	6,226	4,29	3,36	418	
UK (England by CIS)	Friesian	2012	4,173	318	7,018	6,450	4,08	3,32	406	
UK (England by CIS)	Friesian	2013	4,981	310	6,578	6,096	4,18	3,31	408	
Country	Breed	Year	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)	Notes
UK (England by CIS)	Guernsey	2012	490	316	5,670	5,021	4,80	3,53	431	
UK (England by CIS)	Guernsey	2013	438	307	5,521	5,005	4,96	3,48	437	
UK (England by CIS)	Holstein	2012	211,313	337	9,608	8,401	3,98	3,17	426	
UK (England by CIS)	Holstein	2013	213,790	337	9,377	8,235	4,01	3,16	423	
UK (England by CIS)	Jersey	2012	9,033	312	5,872	5,308	5,37	3,79	404	
UK (England by CIS)	Jersey	2013	9,448	309	5,653	5,127	5,44	3,76	410	
UK (England by CIS)	Montebeliarde	2012	1,418	337	8,018	7,113	4,03	3,33	386	
UK (England by CIS)	Montebeliarde	2013	1,518	336	7,882	7,025	4,04	3,32	401	
UK (England by CIS)	Other Breeds	2013	375	309	6,348	5,839	4,28	3,41	404	
UK (England by CIS)	Shorthorn	2012	1,497	309	7,253	6,673	4,06	3,30	397	
UK (England by CIS)	Shorthorn	2013	2,203	307	6,896	6,380	4,15	3,31	396	
UK (Northern Ireland by CIS)	Ayrshire	2013	1,896	306	6,442	5,902	4,10	3,30	421	
UK (Northern Ireland by CIS)	Ayrshires	2012	1,992	310	6,623	6,081	4,08	3,31	421	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

UK (Northern Ireland by CIS)	Guernsey	2013	4	290	6.083	5.651	4.97	3.19	194	
UK (Northern Ireland by CIS)	Holstein	2012	93.872	328	8.455	7.458	4.00	3.22	420	
UK (Northern Ireland by CIS)	Holstein	2013	90.681	326	8.306	7.342	4.02	3.21	418	
Country	Breed	Year	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)	Notes
UK (Northern Ireland by CIS)	Jersey	2012	941	319	5.866	5.210	5.16	3.80	420	
UK (Northern Ireland by CIS)	Jersey	2013	913	306	5.773	5.176	5.18	3.79	424	
UK (Northern Ireland by CIS)	Montebeliarde	2012	655	304	6.686	6.208	4.04	3.35	400	
UK (Northern Ireland by CIS)	Montebeliarde	2013	672	305	6.883	6.332	4.04	3.36	392	
UK (Northern Ireland by CIS)	Other Breeds	2013	261	283	5.886	5.506	4.09	3.45	388	
UK (Northern Ireland by CIS)	Shorthorn	2012	824	300	6.941	6.435	3.95	3.26	411	
UK (Northern Ireland by CIS)	Shorthorn	2013	815	304	6.712	6.126	4.06	3.30	396	
UK (Northern Ireland by NMR)	Ayrshire	2013	578	317	6.816	6.393	4.06	3.33	402	
UK (Northern Ireland by NMR)	British Friesian	2013	1,359	358	8.242	7.299	4.05	3.32	398	
UK (Northern Ireland by NMR)	Holstein	2013	27,118	349	9.040	8.052	4.05	3.24	412	
UK (Northern Ireland by NMR)	Jersey	2013	558	350	6.999	6.218	5.25	3.82	404	
UK (Northern Ireland by NMR)	Montbeliarde	2013	502	332	7.429	6.638	4.00	3.35	371	
UK (Northern Ireland by NMR)	Simmental/Fleckvieh	2013	229	330	6.663	6.128	4.12	3.45	376	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

UK (Scotland by CIS)	Brown Swiss	2012	338	317	7.486	6.612	4.07	3.36	437	
UK (Scotland by CIS)	Brown Swiss	2013	344	310	6.925	6.051	4.03	3.37	423	
Country	Breed	Year	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)	Notes
UK (Scotland by CIS)	Friesian	2012	2.537	329	7.036	6.397	4.17	3.31	409	
UK (Scotland by CIS)	Friesian	2013	2.633	320	6.711	6.129	4.27	3.28	408	
UK (Scotland by CIS)	Guernsey	2013	4	303	6.561	6.438	4.38	3.31	419	
UK (Scotland by CIS)	Holstein	2012	97.616	336	9.305	8.164	3.85	3.10	426	
UK (Scotland by CIS)	Holstein	2013	94.923	332	9.243	8.145	3.86	3.09	422	
UK (Scotland by CIS)	Jersey	2012	1.131	328	6.658	5.877	5.34	3.78	421	
UK (Scotland by CIS)	Jersey	2013	1.139	330	6.575	5.781	5.24	3.77	421	
UK (Scotland by CIS)	Montebelliarde	2012	1.978	313	7.523	6.887	3.95	3.30	411	
UK (Scotland by CIS)	Montebelliarde	2013	2.381	310	7.500	6.906	3.98	3.29	403	
UK (Scotland by CIS)	Other Breeds	2013	298	280	6.029	5.736	4.15	3.31	402	
UK (Scotland by CIS)	Shorthorn	2012	671	305	7.284	6.764	4.07	3.37	396	
UK (Scotland by CIS)	Shorthorn	2013	735	301	7.427	6.988	4.14	3.35	393	
UK (Scotland by NMR)	Ayrshire	2012	949	363	10.045	8.738	4.06	3.34	397	
UK (Scotland by NMR)	Ayrshire	2013	947	348	9.036	7.934	4.06	3.30	411	
UK (Scotland by NMR)	British Friesian	2012	18	261	8.912	8.125	3.77	3.07	349	
UK (Scotland by NMR)	British Friesian	2013	317	370	9.261	8.222	4.12	3.24	338	
UK (Scotland by NMR)	Holstein	2012	7.412	357	10.310	9.033	3.90	3.2	412	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
UK (Scotland by NMR)	Jersey	2012	159	261	4,976	4,868	4,77	3,68	375	
UK (Scotland by NMR)	Jersey	2013	196	348	5,928	5,190	4,89	3,78	374	
UK (Scotland by NMR)	Montbeliarde	2012	81	318	7,403	7,255	4,11	3,40	395	
UK (Scotland by NMR)	Montbeliarde	2013	54	347	8,713	7,495	4,09	3,36	379	
UK (Scotland by NMR)	Shorthorn	2012	67	281	5,854	5,565	4,35	3,53	379	
UK (Scotland by NMR)	Shorthorn	2013	67	338	6,319	6,387	4,29	3,51	359	
UK (Wales by CIs)	Ayrshire	2012	289	306	7,820	7,188	4,20	3,30	414	
UK (Wales by CIs)	Ayrshire	2013	435	317	7,462	6,818	4,30	3,26	409	
UK (Wales by CIs)	Brown Swiss	2012	223	316	6,958	6,268	4,37	3,43	464	
UK (Wales by CIs)	Brown Swiss	2013	242	348	7,194	6,274	4,40	3,51	399	
UK (Wales by CIs)	Friesian	2012	370	314	7,017	6,398	4,00	3,36	403	
UK (Wales by CIs)	Friesian	2013	405	330	6,756	6,207	4,08	3,35	392	
UK (Wales by CIs)	Guernsey	2013	39	317	6,058	5,536	4,66	3,59	390	
UK (Wales by CIs)	Holstein	2012	28,569	338	9,090	7,954	4,09	3,17	428	
UK (Wales by CIs)	Holstein	2013	30,122	338	8,854	7,781	4,10	3,17	422	
UK (Wales by CIs)	Jersey	2012	958	302	6,067	5,621	5,37	3,66	407	
UK (Wales by CIs)	Jersey	2013	982	322	6,100	5,540	5,45	3,66	402	
UK (Wales by CIs)	Montbeliarde	2013	22	312	7,987	7,548	4,31	3,43	394	
			Number of	Length of the lactations	Milk yield per recorded cow	Milk per cow in 305 days	Percent of fat	Percent of protein	Calving interval	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

UK (Wales by CIS)	Shorthorn	2013	91	306	7,641	7,175	4,07	3,29	401
USA ⁴	Ayrshire	2012	4,425	305	7,030 kg/yr	7,030	3,90	3,17	
USA ⁴	Ayrshire	2013	4,250	305	6,877 kg/yr	6,877	3,92	3,17	
USA ⁴	Brown Swiss	2012	11,680	305	8,484 kg/yr	8,484	4,11	3,41	
USA ⁴	Brown Swiss	2013	11,249	305	8,590 kg/yr	8,590	4,19	3,42	
USA ⁴	Guernsey	2012	4,799	305	7,028 kg/yr	7,028	4,55	3,37	
USA ⁴	Guernsey	2013	4,613	305	6,195 kg/yr	6,195	4,57	3,36	
USA ⁴	Holstein	2012	3,776,943	305	10,791 kg/yr	10,791	3,66	3,08	
USA ⁴	Holstein	2013	3,709,885	305	10,967 kg/yr	10,967	3,70	3,08	
USA ⁴	Jersey	2012	244,732	305	7,726 kg/yr	7,726	4,77	3,64	
USA ⁴	Jersey	2013	252,822	305	7,941 kg/yr	7,941	4,82	3,65	
USA ⁴	Milking Shorthorn	2012	1,832	305	6,491 kg/yr	6,491	3,60	3,12	
USA ⁴	Milking Shorthorn	2013	1,692	305	6,894 kg/yr	6,894	3,64	3,11	

Table 4.3 - Main breeds - All recorded cows (Years 2012 and 2013)

Country	Breed	Year	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)	Notes
Austria	Braunvieh	2012	44.058	301		7.094	4,15	3,46		
Austria	Braunvieh	2013	42.647	301		7.111	4,16	3,45		
Austria	Fleckvieh	2012	247.168	298		7.039	4,15	3,42		
Austria	Fleckvieh	2013	249.030	298		7.103	4,15	3,41		
Austria	Grauvieh	2012	3.041	294		4.913	3,94	3,28		
Austria	Grauvieh	2013	3.100	294		4.934	3,97	3,29		
Austria	Holstein	2012	36.421	300		8.473	4,10	3,29		
Austria	Holstein	2013	36.934	300		8.483	4,09	3,27		
Austria	Pinzgauer	2012	6.235	298		5.524	3,88	3,28		
Austria	Pinzgauer	2013	6.181	298		5.616	3,88	3,27		
Belgium (Wallonia Region)	Blanc-Bleu Belge	2012	2.292	302	4.452	4.295	3,66	3,27	386	
Belgium (Wallonia Region)	Blanc-Bleu Belge	2013	2.100	301	4.112	3.957	3,64	3,25	388	
Belgium (Wallonia Region)	HF Red & White	2013	13.031	356	8.963	8.093	4,32	3,49	418	700 kgs f+p
Belgium (Wallonia Region)	Holstein	2012	42.180	366	9.168	8.018	4,00	3,37	425	
Belgium (Wallonia Region)	Holstein	2013	41.106	362	8.775	7.737	4,00	3,36	421	
Belgium (Wallonia Region)	Montbéliarde	2012	698	350	8.214	7.389	3,90	3,45	406	
Belgium (Wallonia Region)	Montbéliarde	2013	685	348	7.737	6.970	3,89	3,46	409	
Belgium (Wallonia Region)	Normande	2012	326	348	6.863	6.195	4,16	3,55	412	
Belgium (Wallonia Region)	Normande	2013	319	345	6.541	5.942	4,20	3,54	409	

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
Austria	Braunvieh	2012	43.194	301		7.113	4.15	3.47		
Austria	Braunvieh	2013	41.732	301		7.132	4.16	3.45		
Austria	Fleckvieh	2012	239.729	298		7.073	4.15	3.43		
Austria	Fleckvieh	2013	240.745	298		7.141	4.15	3.41		
Austria	Grauvieh	2012	2.695	294		4.924	3.94	3.28		
Austria	Grauvieh	2013	3.020	294		4.937	3.97	3.29		
Austria	Holstein	2012	33.306	300		8.569	4.09	3.29		
Austria	Holstein	2013	33.739	300		8.576	4.09	3.27		
Austria	Pinzgauer	2012	6.022	298		5.524	3.87	3.28		
Austria	Pinzgauer	2013	5.934	298		5.625	3.88	3.27		
Czech Republic	Fleckvieh	2012	115.656	295	6.810	6.982	4.00	3.49	396	
Czech Republic	Fleckvieh	2013	114.157	295	7.003	7.180	3.97	3.50	396	
Czech Republic	Holstein	2012	157.418	299	9.102	9.239	3.78	3.31	415	
Czech Republic	Holstein	2013	160.971	299	9.315	9.455	3.76	3.31	413	
Denmark ¹	Danish Holstein	2012	370569	365	9.529		4.09	3.38		
Denmark ¹	Jersey	2012	68.044	365	6.665		5.93	4.11		
Denmark ¹	Red Danish	2012	36.585	365	8.734		4.29	3.49		
Denmark ¹	Red Holstein	2012	5.545	365	8.548		4.25	3.42		
Estonia	Estonian Holstein	2012	60.951	351	8.384	8.387	3.95	3.33	427	
Estonia	Estonian Holstein	2013	62.581	345	8.772	8.693	3.91	3.32	423	
Estonia	Estonian Red	2012	16.071	334	7.716	7.671	4.11	3.42	406	
Estonia	Estonian Red	2013	16.018	332	8.007	7.933	4.06	3.41	408	
Finland	Finnish Ayrshire	2012	20.015	305		9.468	4.22	3.43	417	
Finland	Finnish Ayrshire	2013	22.089	305		9.461	4.23	3.41		
Finland	Finnish Cattle	2012	1.454	305		6.031	4.36	3.45	403	
Finland	Finnish Cattle	2013	1.459	305		6.051	4.40	3.44		
Finland	Holstein	2012	15.361	305		10.440	3.91	3.31	426	
Finland	Holstein	2013	17.314	305		10.438	3.95	3.31		
Finland	Jersey	2013	35	305		7.305	5.05	3.85		
France	Abundance	2012	22.763	293	5.302	5.545	3.71	3.49	401	
France	Abundance	2013	22.728	297	5.243	5.460	3.72	3.48	401	
France	Brune	2012	17.235	339	7.401	7.170	4.13	3.56	426	
France	Brune	2013	17.138	337	7.141	6.979	4.13	3.54	426	
France	Montbéliarde	2012	415.552	310	7.027	7.209	3.86	3.42	398	
France	Montbéliarde	2013	421.130	314	6.861	7.023	3.86	3.41	399	
France	Normande	2012	229.635	322	6.546	6.689	4.20	3.61	402	
France	Normande	2013	225.713	325	6.412	6.524	4.19	3.58	404	

¹ 365 days rolling average

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
France	Pie rouge des plaines	2012	10.221	328	7.791	7.888	4.17	3.44	406	
France	Pie rouge des plaines	2013	10.114	332	7.673	7.716	4.20	3.42	411	
France	Prim'Holstein	2012	1.687.730	352	9.411	9.135	3.87	3.30	429	
France	Prim'Holstein	2013	1.681.336	355	9.276	8.995	3.87	3.28	430	
France	Simmental Française	2012	16.045	305	6.151	6.401	4.00	3.52	394	
France	Simmental Française	2013	16.335	304	5.909	6.158	4.01	3.52	394	
Germany	Braunvieh	2012	139.614	319	7.306	7.190	4.22	3.58	414	
Germany	Braunvieh	2013	139.347	319	7.211	7.150	4.24	3.58	414	
Germany	Fleckvieh	2012	693.599	318	7.439	7.210	4.14	3.50	392	
Germany	Fleckvieh	2013	712.898	317	7.399	7.223	4.16	3.50	391	
Germany	Holstein B&W	2012	1.627.780	324	9.097	9.013	4.05	3.38	415	
Germany	Holstein B&W	2013	1.668.765	323	9.092	9.003	4.06	3.37	415	
Germany	Holstein R&W	2012	153.447	323	8.314	8.258	4.20	3.41	411	
Germany	Holstein R&W	2013	157.522	322	8.277	8.217	4.20	3.40	412	
Hungary	Hungarian Holstein Friesian	2012	122.513	298	9.058		3.81	3.29	444	
Hungary	Hungarian Holstein Friesian	2013	123.468	298	8.988		3.70	3.28	438	
Hungary	Hungarian Red Spotted	2012	2.835	294	5.889		4.05	3.48	412	
Hungary	Hungarian Red Spotted	2013	2.836	292	5.852		4.04	3.45	416	
Italy ²	Grey of alps (Grigio alpina)	2012	6.878	305	4.924	4.924	3.72	3.36		
Italy ²	Grey of alps (Grigio alpina)	2013	6.775	305	4.903	4.903	3.72	3.35		
Italy ²	Italian brown (Bruna italiana)	2012	59.032	305	6.976	6.976	3.97	3.54		
Italy ²	Italian brown (Bruna italiana)	2013	55.554	305	7.058	7.058	4.00	3.55		
Italy ²	Italian friesian (Frisona italiana)	2012	699.480	305	9.072	305	3.66	3.31		
Italy ²	Italian friesian (Frisona italiana)	2013	684.212	305	9.140	9.140	3.70	3.30		
Italy ²	Italian red spotted (Pezzata rossa italiana)	2012	41.272	305	6.530	6.530	3.86	3.43		
Italy ²	Italian red spotted (Pezzata rossa italiana)	2013	42.133	305	6.535	6.535	3.89	3.42		
Italy ²	Valdostana red spotted (Valdostana pezzatra rossa)	2012	9.778	305	3.739	3.739	3.49	3.33		
Italy ²	Valdostana red spotted (Valdostana pezzatra rossa)	2013	9.705	305	3.745	3.745	3.49	3.29		
Japan	Holstein	2012	327.102	367	10.433		3.97	3.31	434	
Japan	Jersey	2012	1.823	340	6.580		5.09	3.93	412	
Latvia	Holstein Black&White	2012	14.682	377		7.997	4.05	3.20		
Latvia	Holstein Black&White	2013	17.233	382		8.405	3.97	3.22		

² Period oct 1st,2011-sep 30th, 2012.Closed lactations having length greater than 200 d; conventional 305 d yields

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
Latvia	Latvian Brown	2012	17,118	355		6.414	4.35	3,27		
Latvia	Latvian Brown	2013	16,595	356		6.680	4.33	3,35		
New Zealand	Friesian	2012	40,070	262	6.371	7.128	3.97	3,41	Not Available	
Poland	Montbeliarde	2012	1,688	305	7.181	7.181	3.95	3,46		
Poland	Montbeliarde	2013	1,900	305	7.376	7.376	3.97	3,47		
Poland	Polish black-white	2012	1,730	305	4.754	4.754	4.07	3,21		
Poland	Polish black-white	2013	1,684	305	4.697	4.697	4.15	3,24		
Poland	Polish holstein-friesian	2012	436,997	305	7.524	7.524	4.05	3,27		
Poland	Polish holstein-friesian	2012	15,326	305	6.800	6.800	4.11	3,30		
Poland	Polish holstein-friesian	2013	445,845	305	7.618	7.618	4.08	3,29		
Poland	Polish holstein-friesian	2013	16,139	305	6.922	6.922	4.15	3,33		
Poland	Polish red-white	2012	2,967	305	4.597	4.597	4.05	3,19		
Poland	Polish red-white	2013	2,955	305	4.599	4.599	4.11	3,24		
Poland	Red polish	2012	2,386	305	3.716	3.716	4.28	3,31		
Poland	Red polish	2013	2,353	305	3.765	3.765	4.37	3,36		
Poland	Simmental	2012	7,474	305	5.678	5.678	4.09	3,38		
Poland	Simmental	2013	7,521	305	5.824	5.824	4.13	3,42		
Slovak Republic	Holstein	2012	41,923	298	8.313	8.459	3.91	3,29	432	
Slovak Republic	Holstein	2013	38,760	298	8.543	8.693	3.89	3,29	426	
Slovak Republic	Slovak Pinzgauer	2012	333	286	4.677	4.907	3.86	3,36	413	
Slovak Republic	Slovak Pinzgauer	2013	1,389	292	4.754	4.911	3.91	3,39	414	
Slovak Republic	Slovak Simmental	2012	21,505	294	5.629	5.786	4.00	3,40	406	
Slovak Republic	Slovak Simmental	2013	22,521	294	5.868	6.032	4.04	3,42	403	
Slovak Republic	Slovak Simmental	2013	22,521	294	5.868	6.032	4.04	3,42	403	
Slovenia	Brown	2012	11,519	370	6.422	5.587	4.06	3,39	428	
Slovenia	Holstein	2012	32,316	380	8.538	7.345	3.95	3,27	430	
Slovenia	Simmental	2012	32,304	353	6.009	5.375	4.05	3,36	417	
Spain	Frisona	2012	347,317	369	11.115	9.504	3.63	3,20	441	
Spain	Parda alpina	2012	921	327	7.394	6.526	3.65	3,56	386	776 kgs f+p
The Netherlands (by CRV)	HF Black & White	2012	558,427	359	9.888	8.898	4.33	3,52	417	761 kgs f+p
The Netherlands (by CRV)	HF Black & White	2013	579,768	358	9.719	8.767	4.32	3,51	417	

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
The Netherlands (by CRV)	HF Red & White	2012	105.528	349	9.052	8.310	4.55	3,60	417	738 kgs f+p
The Netherlands (by CRV)	HF Red & White	2013	114.134	350	8.901	8.179	4.54	3,61	417	725 kgs f+p
The Netherlands (by CRV)	MRY	2012	7.041	331	6.868	6.535	4.46	3,68	417	559 kgs f+p
The Netherlands (by CRV)	MRY	2013	7.238	332	6.787	6.441	4.48	3,70	417	555 kgs f+p
Turkey	Brown Swiss	2012	14.884	338	4.451	3.871			416	
Turkey	Holstein Friesian (Black and White)	2012	245.150	352	6.900	5.884			428	
Turkey	Holstein Friesian (Red and White)	2012	574	341	6.744	5.820			426	
Turkey	Simmental	2012	19.065	346	4.676	4.044			416	
UK (England & Wales by NMR)	Ayrshire	2012	5.594	338	7.441	6.850	4.09	3,32	413	
UK (England & Wales by NMR)	Ayrshire	2013	5.254	340	7.220	6.643	4.13	3,33	413	
UK (England & Wales by NMR)	British Friesian	2012	2.975	333	7.396	6.896	4.10	3,32	402	
UK (England & Wales by NMR)	British Friesian	2013	3.174	332	7.157	6.647	4.11	3,31	396	
UK (England & Wales by NMR)	Guernsey	2012	3.523	361	6.819	6.043	4.93	3,58	422	
UK (England & Wales by NMR)	Guernsey	2013	3.340	363	6.701	5.894	5.01	3,61	421	
UK (England & Wales by NMR)	Holstein	2012	216.813	364	10.342	9.032	3.97	3,21	424	
UK (England & Wales by NMR)	Holstein	2013	206.120	362	9.983	8.767	3.99	3,21	421	
UK (England & Wales by NMR)	Jersey	2012	10.815	343	6.520	5.908	5.40	3,87	404	
UK (England & Wales by NMR)	Jersey	2013	10.223	345	6.391	5.748	5.50	3,85	403	
UK (England & Wales by NMR)	Shorthorn	2012	3.106	321	6.452	6.050	3.85	3,30	401	
UK (England & Wales by NMR)	Shorthorn	2013	2.706	327	6.333	5.884	3.92	3,31	393	

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
UK (England by CIS)	Ayrshire	2012	1,372	310	7,263	6.679	4,21	3,28	413	
UK (England by CIS)	Ayrshire	2013	1,501	314	7,078	6.485	4,27	3,25	412	
UK (England by CIS)	Brown Swiss	2012	538	351	7,849	6.800	4,29	3,40	421	
UK (England by CIS)	Brown Swiss	2012	201	317	6,894	6.224	4,40	3,44	463	
UK (England by CIS)	Brown swiss	2013	559	343	7,090	6.185	4,30	3,36	418	
UK (England by CIS)	Friesian	2012	2,104	320	7,154	6.588	4,08	3,34	408	
UK (England by CIS)	Friesian	2013	2,231	318	6,794	6.327	4,16	3,32	403	
UK (England by CIS)	Guernsey	2012	436	315	5,593	4.979	4,86	3,51	427	
UK (England by CIS)	Guernsey	2013	373	310	5,555	5.035	4,97	3,48	431	
UK (England by CIS)	Holstein	2012	161,023	339	9,904	8.642	3,96	3,16	427	
UK (England by CIS)	Holstein	2013	162,126	338	9,667	8.479	4,00	3,15	424	
UK (England by CIS)	Jersey	2012	7,460	312	5,845	5.282	5,49	3,81	406	
UK (England by CIS)	Jersey	2013	7,446	310	5,614	5.102	5,59	3,78	411	
UK (England by CIS)	Montbeliarde	2013	750	348	7,937	7.006	3,98	3,30	399	
UK (England by CIS)	Montbeliarde	2012	747	347	8,040	7.100	4,03	3,32	379	
UK (England by CIS)	Shorthorn	2013	5	340	9,329	8.570	4,87	3,45	451	
UK (Jersey)	Island Jersey	2012	3,088	321	5,186	4.756	5,23	3,82	403	
UK (Jersey)	Jersey	2013	3,191	327	5,164	4.712	5,24	3,69	406	
UK (Northern Ireland by NMR)	Ayrshire	2013	359	321	6,809	6.369	4,16	3,32	416	
UK (Northern Ireland by NMR)	British Friesian	2013	55	312	7,266	6.692	3,97	3,36	414	
UK (Northern Ireland by NMR)	Holstein	2013	9,727	354	9,889	8.786	4,08	3,22	415	
UK (Northern Ireland by NMR)	Jersey	2013	363	365	7,099	6.171	5,39	3,91	417	

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
UK (Northern Ireland by NMR)	Montbeliarde	2013	20	360	8.780	7.201	3.98	3,35	360	
UK (Northern Ireland by NMR)	Simmental/Fleckvieh	2013	19	360	7.067	6.114	3.93	3,45	402	
UK (Northern Ireland)	Ayrshire	2013	1,389	306	6.374	5.851	4,10	3,30	423	
UK (Northern Ireland)	Ayrshires	2012	1,470	309	6.524	6.039	4,07	3,30	423	
UK (Northern Ireland)	Brown Swiss	2013	4	306	7.073	6.156	4,13	3,22	205	
UK (Northern Ireland)	Friesian	2012	360	323	7.215	6.680	4,28	3,35	400	
UK (Northern Ireland)	Friesian	2013	359	301	6.651	6.175	4,37	3,37	396	
UK (Northern Ireland)	Holstein	2012	48,359	334	9.202	8.077	3,99	3,19	426	
UK (Northern Ireland)	Holstein	2013	45,284	333	9.095	8.021	4,00	3,19	426	
UK (Northern Ireland)	Jersey	2012	571	325	5.878	5.184	5,29	3,86	431	
UK (Northern Ireland)	Jersey	2013	552	312	5.759	5.129	5,32	3,84	422	
UK (Northern Ireland)	Montbeliarde	2013	68	308	6.985	6.631	3,83	3,20	382	
UK (Scotland by NMR)	Ayrshire	2012	77	355	8.122	6.690	4,20	3,36	418	
UK (Scotland by NMR)	Ayrshire	2013	113	355	6.690	5.800	4,06	3,25	448	
UK (Scotland by NMR)	British Friesian	2012	8	370	11.055	10.322	3,68	3,05	325	
UK (Scotland by NMR)	British Friesian	2013	2	259	7.047	7.047	4,21	3,01	390	
UK (Scotland by NMR)	Holstein	2012	2,117	354	11.058	9.802	3,88	3,18	413	
UK (Scotland by NMR)	Holstein	2013	3,287	366	11.510	10.119	3,87	3,20	417	
UK (Scotland by NMR)	Jersey	2013	2	286	6.232	5.779	4,75	3,64		
UK (Scotland)	Ayrshire	2012	6,372	319	7.523	6.911	4,12	3,28	418	
UK (Scotland)	Ayrshire	2013	6,176	316	7.307	6.705	4,16	3,28	417	
UK (Scotland)	Brown Swiss	2012	225	324	7.475	6.526	4,06	3,45	443	
UK (Scotland)	Brown Swiss	2013	257	313	6.732	5.770	4,11	3,47	428	

Table 4.4 - Main breeds - Cows in herdbook (Years 2012 and 2013)

Country	Breed	Year	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)	Length of the lactations (days)	Notes
UK (Scotland)	Friesian	2012	421	324	7,148	6.609	4.39	3,31	409	
UK (Scotland)	Friesian	2013	373	334	7,281	6.684	4.47	3,28	410	
UK (Scotland)	Guernsey	2013	2	300	5,660	5.660	4.35	3,53	412	
UK (Scotland)	Holstein	2012	56,690	340	9,799	8.555	3.89	3,12	429	
UK (Scotland)	Holstein	2013	55,261	333	9,660	8.488	3.90	3,12	425	
UK (Scotland)	Jersey	2012	868	336	6,837	5.958	5.45	3,83	425	
UK (Scotland)	Jersey	2013	884	343	6,865	5.943	5.33	3,80	423	
UK (Scotland)	Montbeliarde	2013	38	342	8,678	7.819	3.88	3,12	397	
UK (Wales by CIS)	Ayrshire	2012	196	295	7,403	6.895	4.28	3,31	415	
UK (Wales by CIS)	Ayrshire	2013	318	320	7,226	6.613	4.39	3,24	407	
UK (Wales by CIS)	Brown Swiss	2013	203	351	7,328	6.332	4.41	3,52	415	
UK (Wales by CIS)	Friesian	2012	280	312	7,139	6.600	4.02	3,35	403	
UK (Wales by CIS)	Friesian	2013	283	334	7,175	6.589	3.99	3,34	389	
UK (Wales by CIS)	Guernsey	2013	36	324	6,209	5.668	4.68	3,60	411	
UK (Wales by CIS)	Holstein	2012	24,710	341	9,317	8.132	4.09	3,16	430	
UK (Wales by CIS)	Holstein	2013	25,812	341	9,103	7.985	4.11	3,16	425	
UK (Wales by CIS)	Jersey	2012	556	307	5,945	5.384	5.42	3,71	426	
UK (Wales by CIS)	Jersey	2013	546	326	6,043	5.380	5.48	3,74	418	

Data presented
in this
publication are
those available
on the on-line
database at
7 May 2014

For more
up-dated data,
please consult
the on-line
database at:
www.icar.org.



**In case of inaccuracies, ICAR members are
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