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In case of inaccuracies, ICAR members are kindly requested to report them to [cesare mosconi \(mosconi@icar.org\)](mailto:cesare.mosconi@icar.org)

Results for the years 2008 - 2009



Yearly enquiry on the situation of sheep milk recording in member countries

INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING

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Table 1 - Basic information on population, recording methods and percentages

Year	Country	Breed or population (Name)	Dairy sheep breeds or populations recorded in ICAR member countries				Milk yield: methods and recording intervals (according to international regulations for milk recording in sheep)				Information on the management of the flocks subject to official milk recording			Breeds or populations recorded in ICAR member countries in other type of milk recording ⁴			
			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary) ²	Percentage of AT, BT, CT (precise if necessary) ²	Percentage of AC, BC, CC (precise if necessary) ²	Percentage of E4, E5, E6, ET, EC (precise if necessary) ²	Breeding system ³ (1) Milking from lambing (2) Milking after a suckling period	If system 2). Average length of the suckling period (in days)	Percentage of official recorded flocks in machine milking	Size of the population (Estimates)		Recorded population (Estimation)	
			Number of flocks	Number of ewes ¹	Number of flocks	Number of ewes ¹								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes ⁵
2008 - 2009	Belgium (Wallonia Region) ¹	Sheep Mouton Laitier Belge	21	593	19	488											
2008	Croatia	East Friesian	50	2000	34	1490		100% AT		2	47						
2009	Croatia	East Friesian	50	2000	32	1375		100% AT		2	61						
2008	Croatia	Istrian sheep	40	2500	34	2261		100% AT		2	53						
2009	Croatia	Istrian sheep	40	2500	39	2142		100% AT		2	62						
2008	Croatia	Paska sheep	600	30000	30	2390		100% AT		1	31						
2009	Croatia	Paska sheep	600	30000	55	4253		100% AT		2	32						
2008	Czech Rep.	All breeds			22	549		AT		ET	1 and 2	40					
2009	Czech Rep.	All breeds			23	821		AT		ET	1 and 2	40					
2008	Czech Rep.	Bohemian Forest sheep			1	39											
2009	Czech Rep.	Bohemian Forest sheep			1	68											
2009	Czech Rep.	East Friesian			18	350											
2008	Czech Rep.	East Friesian			18	318											
2009	Czech Rep.	Improved Valachian			1	1											
2008	Czech Rep.	Lacaune			3	192											
2009	Czech Rep.	Lacaune			3	402											
2008	France	Basco-Béarnaise	420	80000	76	21434			AC	2	35	90%	420	80000	24	6534	
2009	France	Basco-Béarnaise	420	80000	78	21984			AC	2	35	90%	420	80000	23	5427	
2008	France	Corse	420	95000	71	21087			AC	2	35	85%	420	95000	9	1829	
2009	France	Corse	420	95000	72	21050			AC	2	35	80%	420	95000	10	1982	
2008	France	Lacaune	2600	900000	383	171211			AC	2	25	100%	2600	900000	1322	508235	
2009	France	Lacaune	2600	900000	376	173568			AC	2	25	100%	2600	900000	1268	504081	
2008	France	Manech Tête Noire	500	100000	54	15424			AC	2	35	85%	500	100000	7	1496	
2009	France	Manech Tête Noire	500	100000	52	14509			AC	2	35	85%	500	100000	4	881	
2008	France	Manech Tête Rousse	1150	270000	210	71900			AC	2	35	90%	1150	270000	73	28461	
2009	France	Manech Tête Rousse	1150	270000	203	70712			AC	2	35	90%	1150	270000	64	18928	
2008	Germany	Lacaune	1	118	1	39				100	1	100					
2009	Germany	Lacaune	1	104	1	36				100	1	100					
2008	Germany	Ostfriesisches Milchschaaf	530	8300	57	686	54	14		32	(1) 90% (2) 10%	50-70	39				
2009	Germany	Ostfriesisches Milchschaaf	510	8100	53	602	34	29		37	(1) 88% (2) 12%	50-70	46				
2008	Italy	Altamura			1	34		AT	AC	2	30						
2009	Italy	Altamura			2	92		AT	AC	2	30						
2008	Italy	Barbaresca			16	1.335		AT	AC	2	30						
2009	Italy	Barbaresca			16	1162		AT	AC	2	30						
2009	Italy	Brigasca			8	1421		AT	AC	2	30						
2008	Italy	Comisana			579	54.931		AT	AC	2	30						
2009	Italy	Comisana			581	50505		AT	AC	2	30						
2008	Italy	Delle Langhe			90	3.154		AT	AC	2	30						
2009	Italy	delle Langhe			86	2661		AT	AC	2	30						
2009	Italy	Frisona			4	41		AT	AC	2	30						
2009	Italy	Lacaune			10	1365		AT	AC	2	30						

¹ Detailed information on demand

Year	Country	Breed or population (Name)	Dairy sheep breeds or populations recorded in ICAR member countries				Milk yield: methods and recording intervals (according to international regulations for milk recording in sheep)				Information on the management of the flocks subject to official milk recording			Breeds or populations recorded in ICAR member countries in other type of milk recording ⁴			
			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary) ²	Percentage of AT, BT, CT (precise if necessary) ²	Percentage of AC, BC, CC (precise if necessary) ²	Percentage of E4, E5, E6, ET, EC (precise if necessary) ²	Breeding system ³ (1) Milking from lambing (2) Milking after a suckling period	If system 2). Average length of the suckling period (in days)	Percentage of official recorded flocks in machine milking	Size of the population (Estimates)		Recorded population (Estimation)	
			Number of flocks	Number of ewes ¹	Number of flocks	Number of ewes ¹								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes ⁵
2008	Italy	Massese			60	4.473		AT	AC		2	30					
2009	Italy	Massese			59	4764		AT	AC		2	30					
2008	Italy	Moscia Leccese			9	651		AT	AC		2	30					
2009	Italy	Moscia Leccese			8	618		AT	AC		2	30					
2009	Italy	Nera di Arbus			2	22		AT	AC		2	30					
2008	Italy	Pinzirita			302	41.895		AT	AC		2	30					
2009	Italy	Pinzirita			234	30051		AT	AC		2	30					
2008	Italy	Sarda			1.126	260.098		AT	AC		2	30					
2009	Italy	Sarda			1095	249072		AT	AC		2	30					
2008	Italy	Valle del Belice			884	127.110		AT	AC		2	30					
2009	Italy	Valle del Belice			970	138123		AT	AC		2	30					
2008	Slovak Rep.	East Friesian			5	65			AC		2	51	-				
2009	Slovak Rep.	East Friesian			5	76			100% AC		2	547	53				
2008	Slovak Rep.	Hybrids			13	1 595			AC		2	49	7 %				
2009	Slovak Rep.	Hybrids			19	2676			100% AC		2	568	39				
2008	Slovak Rep.	Improved Valachian			44	8 008			AC		2	60	20 %				
2009	Slovak Rep.	Improved Valachian			46	8497			100% AC		2	526	45%				
2008	Slovak Rep.	Lacaune			9	545			AC		2	49	-				
2009	Slovak Rep.	Lacaune			13	714			100% AC		2	622	98				
2008	Slovak Rep.	Tsigai			30	5 059			AC		2	41	17 %				
2009	Slovak Rep.	Tsigai			36	5920			100% AC		2	511	524				
2008	Slovenia	Bovec sheep	75	2700	27	2178		100			1 and 2	41	100				
2009	Slovenia	Bovec sheep	75	2700	26	2292		100			1 and 2	42	100				
2008	Slovenia	Improved Bovec sheep	25	1100	10	552		100			1 and 2	48	100				
2009	Slovenia	Improved Bovec sheep	25	1100	10	556		100			1 and 2	42	100				
2008	Slovenia	Istrian Pramenka	15	1100	5	935		100			1 and 2	67	100				
2009	Slovenia	Istrian Pramenka	15	1100	5	901		100			1 and 2	/	100				
2008	Spain	Assaf		592949	126	66500		AT4-100%			1)-60%; (2)-40%	28	100%				
2008	Spain	Carranzana	696	12401	7	3424		AT-100%			2) Milking after a suckling period	30					
2008	Spain	Churra	950	480000	85	40010		100%AT			2) Milking after a suckling period	25	98				
2008	Spain	Colmenareña	10	2810	3	2085	A4-100%	AT-100%			1) Milking from lambing		33%				
2009	Spain	Colmenareña	11	3039	4	2231	A4-100%	AT-100%			1) Milking from lambing		25%				



Table 1 - Basic information on population, recording methods and percentages

Year	Country	Breed or population (Name)	Dairy sheep breeds or populations recorded in ICAR member countries				Milk yield: methods and recording intervals (according to international regulations for milk recording in sheep)				Information on the management of the flocks subject to official milk recording			Breeds or populations recorded in ICAR member countries in other type of milk recording ⁴			
			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary) ²	Percentage of AT, BT, CT (precise if necessary) ²	Percentage of AC, BC, CC (precise if necessary) ²	Percentage of E4, E5, E6, ET, EC (precise if necessary) ²	Breeding system ³ (1) Milking from lambing (2) Milking after a suckling period	If system 2). Average length of the suckling period (in days)	Percentage of official recorded flocks in machine milking	Size of the population (Estimates)		Recorded population (Estimation)	
			Number of flocks	Number of ewes ¹	Number of flocks	Number of ewes ¹								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes ⁵
2008	Spain	Lacaune	52	46751	9	9500	100%A4				1) Milking from lambing		100%				
2008	Spain	Latxa Cara Negra	4146	173237	123	59279		AT-47%	AC-53%		2) Milking after a suckling period	30	72.5%				
2008	Spain	Latxa Cara Rubia	4266	217165	67	32964		AT-46%	AC-54%		2) Milking after a suckling period	30	88%				
2008	Spain	Manchega	1025	600000	111	90000		100% AT			2) Milking after a suckling period	30	99%				
2008	Spain	Merina de Grazalema	36	4690	9	1092	100%A4	AT-100%			(1)-5%; (2)-95%	56	77.77%				
2009	Spain	Merina de Grazalema	34	4673	8	983	100%A4	AT-100%			(1)-5%; (2)-95%	55	75%				
2008	Spain	Rubia del Molar	10	1305	3	519		AT-100%			2) Milking after a suckling period	35					
2009	Spain	Rubia del Molar	11	1267	3	511		AT-100%			AT-100%	35	0%				

Table 2 - Milk yield: type of lactation calculation (quantity of milk) and Milk yield: results (quantity of milk)

Year	Country	Breed or population (Name)	Milk yield: type of lactation calculation (quantity of milk)						Milk yield: results (quantity of milk)		
			Lactation calculation ¹			Production of reference (for lactation)			Average milk yield per recorded ewe (length)		
			TSMM ² (Yes/No)	TMM ³ (Yes/No)	TMY ⁴ (Yes/No)	TSMM ¹ (Yes/No)	TMM ² (Yes/No) If yes, standard length (days)	TMY ³ (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2008	Croatia	East Friesian	Yes	Yes	No	No	No	No	14193	21303	19219
2009	Croatia	East Friesian	Yes	Yes	No	No	No	No	15238	17513	16755
2008	Croatia	Istrian Sheep	Yes	Yes	No	No	No	No	13749	13603	13617
2009	Croatia	Istrian sheep	Yes	Yes	No	No	No	No	11038	13801	13229
2008	Croatia	Paska Sheep	Yes	Yes	No	No	No	No	8733	10468	10511
2009	Croatia	Paska sheep	Yes	Yes	No	No	No	No	8471	10002	10027
2008	Czech Rep.	All breeds									213
2009	Czech Rep.	All breeds									263
2008	France	Basco-Béarnaise	No	Yes	No	No	No	No			161 litres (146 days)
2009	France	Basco-Béarnaise	No	Yes	No	No	No	No			164 (146)
2008	France	Corse	No	Yes	No	No	No	No			140 litres (183 days)
2009	France	Corse	No	Yes	No	No	No	No			133 (182)
2008	France	Lacaune	No	Yes	No	No	No	No			269 litres (165 days)
2009	France	Lacaune	No	Yes	No	No	No	No			272 (164)
2008	France	Manech Tête Noire	No	Yes	No	No	No	No			133 litres (140 days)
2009	France	Manech Tête Noire	No	Yes	No	No	No	No			134 (139)
2008	France	Manech Tête Rousse	No	Yes	No	No	No	No			176 litres (151 days)
2009	France	Manech Tête Rousse	No	Yes	No	No	No	No			180 (155)
2008	Germany	Lacaune			100 %			Yes 150 d			300
2009	Germany	Lacaune			100 %			Yes 150 d			283
2008	Germany	Ostfriesisches Milchschaaf		10 %	90 %			Yes 150 d			313
2009	Germany	Ostfriesisches Milchschaaf		12 %	88 %			Yes 150 d			283
2009	Italy	Altamura ¹	Yes	Yes	No	No		No		38	38
2009	Italy	Barbaresca ¹	Yes	Yes	No	No		No	99	166	161
2009	Italy	Brigasca ¹	Yes	Yes	No	No		No	72	93	93
2009	Italy	Comisana ¹	Yes	Yes	No	No		No	97	187	182
2009	Italy	delle Langhe ¹	Yes	Yes	No	No		No	113	161	157
2009	Italy	Frisona ¹	Yes	Yes	No	No		No	162	213	172
2009	Italy	Massese ¹	Yes	Yes	No	No		No	112	132	131
2009	Italy	Moscia Leccese ¹	Yes	Yes	No	No		No	84	128	127
2009	Italy	Nera di Arbus ¹	Yes	Yes	No	No		No		156	156
2009	Italy	Pinzirita ¹	Yes	Yes	No	No		No	67	118	115
2009	Italy	Sarda ¹	Yes	Yes	No	No		No	191	196	188
2009	Italy	Valle del Belice ¹	Yes	Yes	No	No		No	119	209	202

¹ From day 30 from lambing to reference length

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk)

Year	Country	Breed or population (Name)	Milk yield: type of lactation calculation (quantity of milk)	Milk yield: results (quantity of milk)	Year	Country	Breed or population (Name)	Milk yield: type of lactation calculation (quantity of milk)	Milk yield: results (quantity of milk)	Year	Country
2008	Slovak Rep.	East Friesian	No	Yes	No	No	Yes 160	No			19615
2009	Slovak Rep.	East Friesian	No	Yes	No	No	Yes 160	No			18303
2008	Slovak Rep.	Hybrids	No	Yes	No	No	Yes 150	No			15243
2009	Slovak Rep.	Hybrids	No	Yes	No	No	Yes 150	No			13792
2008	Slovak Rep.	Improved Valachian	No	Yes	No	No	Yes 150	No			10401
2009	Slovak Rep.	Improved Valachian	No	Yes	No	No	Yes 150	No			10726
2008	Slovak Rep.	Lacaune	No	Yes	No	No	Yes 150	No			20988
2009	Slovak Rep.	Lacaune	No	Yes	No	No	Yes 150	No			20463
2008	Slovak Rep.	Tsigai	No	Yes	No	No	Yes 150	No			10303
2009	Slovak Rep.	Tsigai	No	Yes	No	No	Yes 150	No			9774
2008	Slovenia	Bovec sheep	Yes	Yes	Yes	No	No	No			TSMM 238 kg, TMM 175 kg, suckled 63 kg, lactation length 214 days
2009	Slovenia	Bovec sheep	Yes	Yes	Yes	No	No	No			TSMM 237 kg, TMM 183 kg, suckled 55 kg, lactation length 215 days
2008	Slovenia	Improved Bovec sheep	Yes	Yes	Yes	No	No	No			TSMM 261 kg, TMM 198 kg, suckled 64 kg, lactation length 208 days
2009	Slovenia	Improved Bovec sheep	Yes	Yes	Yes	No	No	No			TSMM 279 kg, TMM 219 kg, suckled 60 kg, lactation length 217 days
2008	Slovenia	Istrian Pramenka	Yes	Yes	Yes	No	No	No			TSMM 142 kg, TMM 87 kg, suckled 56 kg, lactation length 202 days
2009	Slovenia	Istrian Pramenka	Yes	Yes	Yes	No	No	No			TSMM 137 kg, TMM 87 kg, suckled cca. 50 kg, lactation length 198 days

Table 2 - Milk yield: type of lactation calculation (quantity of milk) and Milk yield: results (quantity of milk)

Year	Country	Breed or population (Name)	Milk yield: type of lactation calculation (quantity of milk)	Milk yield: results (quantity of milk)	Year	Country	Breed or population (Name)	Milk yield: type of lactation calculation (quantity of milk)	Milk yield: results (quantity of milk)	Year	Country
2008	Spain	Assaf	No	No	Yes			150-210	370	420	400
2008	Spain	Carranzana	Yes	Yes	Yes	Yes	120		148	175	
2008	Spain	Churra	Yes	Yes	No	No	Yes (30-120 DAYS)	No	85	91	90
2008	Spain	Colmenareña	No	No	Yes	No	No	Yes/120	73.1	72.98	72.9
2008	Spain	Colmenareña	No	No	Yes	No	No	Yes/120	65.5	63.7	64.0
2008	Spain	Lacaune	No	No	Yes	No	No	Yes/200	287	399	361
2008	Spain	Latxa Cara Negra	Yes	Yes	Yes	Yes	120		131	158	
2008	Spain	Latxa Cara Rubia	Yes	Yes	Yes	Yes	120		144	152	
2008	Spain	Manchega	Yes	Yes	No	Yes	120	No	150	160	154
2008	Spain	Merina De Grazalema	No	Yes	No	No	Yes/150	No	75.310	126.297	122.769
2009	Spain	Merina De Grazalema	No	Yes	No	No	Yes/155	No	68.999	124.755	122.595
2008	Spain	Rubia del Molar	Yes	Yes	N	Yes	Yes/120	No		84	84

Table 3 - Optional tests for milk composition

Year	Country	Breed or population (Name)	Categories or classes of age or parity concerned (number of ewes in the reference year)	Method used for recording milk composition ¹	Milk analysis in laboratory Fat content (Yes/No) Protein content (Yes/No) Somatic Cells Counts (Yes/No) Other analysis (Lactose... Describe it)
2008-2009	Belgium (Wallonia Region)	Mouton Laitier Belge (Belgian Dairy Sheep)	Detailed information on demand		
2008	Croatia	East Friesian	747	AT	Fat content (Yes) 5,760%, Protein content (Yes) 4,96%, Somatic Cells Counts (Yes), Lactose(Yes) 4,46%
2009	Croatia	East Friesian	621	AT	Fat content (Yes)5,35%, Protein content (Yes)5,09%, Somatic Cells Counts (Yes), Lactose(Yes) 4,49%
2008	Croatia	Istrian sheep	1157	AT	Fat content (Yes) 7,44%, Protein content (Yes) 6,04%, Somatic Cells Counts (Yes), Lactose(Yes) 4,22%
2009	Croatia	Istrian sheep	1298	AT	Fat content (Yes) 7,18%, Protein content (Yes)6,04%, Somatic Cells Counts (Yes), Lactose(Yes) 4,59%
2008	Croatia	Paska sheep	1645	AT	Fat content (Yes) 7,83%, Protein content (Yes) 6,00%, Somatic Cells Counts (Yes), Lactose(Yes) 4,58%
2009	Croatia	Paska sheep	2700	AT	Fat content (Yes) 7,35%, Protein content (Yes) 6,03%, Somatic Cells Counts (Yes), Lactose(Yes) 4,39%
2008	Czech Rep.	All breeds		AT, E	Fat, Protein, SC, Lactose
2009	Czech Rep.	All breeds		AT, E	Fat, Protein, SC, Lactose
2008	France	Basco-Béarnaise, Manech Tête Noire, Manech Tête Rousse	Parity 1 (18,571)	part-lactation sampling	Fat, Protein, SCC
2009	France	Basco-Béarnaise, Manech Tête Noire, Manech Tête Rousse	Parity 1 (19,269)	part-lactation sampling	Fat, Protein, SCC
2008	France	Lacaune	Parities 1 & 2 (63,420)	part-lactation sampling	Fat, Protein, SCC
2009	France	Lacaune	Parities 1 & 2 (64,897)	part-lactation sampling	Fat, Protein, SCC
2008	Germany	Ostfriesisches Milchschaaf	686	A4, B4, AT4, E4	Fat content, Protein content, Somatic Cells, Lactose content, Urea
2009	Germany	Ostfriesisches Milchschaaf	602	A4, B4, AT4, E4	Fat content, Protein content, Somatic Cells, Lactose content, Urea
2009	Italy ¹	Sarda	Primiparous - 25108 Lactations	Fat-Protein	
2008	Italy ¹	Sarda	Primiparous (27.476 lactations)		Fat - Protein
2008	Slovak Rep.	East Friesian	Parity 1 to 3, 65 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2009	Slovak Rep.	East Friesian	Parity 1 to 3, 76 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2008	Slovak Rep.	Hybrids	Parity 1 to 3, 1595 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2009	Slovak Rep.	Hybrids	Parity 1 to 3, 2676 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2008	Slovak Rep.	Improved Valachian	Parity 1 to 3, 8008 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2009	Slovak Rep.	Improved Valachian	Parity 1 to 3, 8497 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2008	Slovak Rep.	Lacaune	Parity 1 to 3, 545 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2009	Slovak Rep.	Lacaune	Parity 1 to 3, 714 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2008	Slovak Rep.	Tsigai	Parity 1 to 3, 5059 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2009	Slovak Rep.	Tsigai	Parity 1 to 3, 5920 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)

¹ Numbers referred to lactations, not ewes



Table 3 - Optional tests for milk composition

Year	Country	Breed or population (Name)	Categories or classes of age or parity concerned (number of ewes in the reference year)	Method used for recording milk composition ¹	Milk analysis in laboratory Fat content (Yes/No) Protein content (Yes/No) Somatic Cells Counts (Yes/No) Other analysis (Lactose... Describe it)
2008	Slovenia	All milk breeds	All milk ewes under control	AT	Fat content (Yes), Protein content (Yes), Lactose (Yes), Somatic Cell Count (Yes)
2009	Slovenia	All milk breeds	All milk ewes under control	AT	Fat content (Yes), Protein content (Yes), Lactose (Yes), Somatic Cell Count (Yes)
2008	Spain	Assaf		AT4	Fat, Protein, Somatic Cells, Lactose
2008	Spain	Carranzana		AC	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2008	Spain	Churra		AT	Fat, Protein, Somatic Cells, Lactose
2008	Spain	Colmenareña		A4	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2009	Spain	Colmenareña		A4	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2008	Spain	Lacaune		A4	Fat, protein, somatic cells
2008	Spain	Latxa Cara Negra		AC	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2008	Spain	Latxa Cara Rubia		AC	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2008	Spain	Manchega		AT	Fat, Protein, Dry Matter, Somatic Cells
2008	Spain	Merina De Grazalema		AT4	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2009	Spain	Merina De Grazalema		AT4	Fat, Protein, Dry Matter, Lactose
2008	Spain	Rubia del Molar		AT4	Fat, Protein, Dry Matter, Somatic Cells, Lactose
2008	Spain	Rubia del Molar		AT4	Fat, Protein, Dry Matter, Somatic Cells, Lactose

Table 4 - Recording of non-milking traits

Year	Country	Breed or population	Reproductive traits, weights & growths, udder score, longevity			
			Traits	On-farm recording (Yes/No)	Breeding evaluation (Yes/No)	Use in selection (Yes/No)
2008	Croatia	East Friesian	Reproductive traits and birth weight (10 years, number of controlled ewes in 2008:990)	Yes	No	Yes
2009	Croatia	East Friesian	Reproductive traits and birth weight (10 years, number of controlled ewes in 2009:931)	Yes	No	Yes
2008	Croatia	Istrian sheep	Reproductive traits and birth weight (10 years, number of controlled ewes in 2008:1775)	Yes	No	Yes
2009	Croatia	Istrian sheep	Reproductive traits and birth weight (10 years, number of controlled ewes in 2009:1768)	Yes	No	Y
2008	Croatia	Paska sheep	Reproductive traits and birth weight (10 years, number of controlled ewes in 2008:1919)	Yes	No	Yes
2009	Croatia	Paska sheep	Reproductive traits and birth weight (10 years, number of controlled ewes in 2009:3518)	Yes	No	Yes
2008	Czech Republic	All breeds	weight, reproductive traits	Yes		
2009	Czech Republic	All breeds	weight, reproductive traits	Yes	Yes	Yes
2008	France	all breeds	reproductive traits, udder score (Lacaune only), longevity	Yes	Udder score (Lacaune only)	udder score (Lacaune only)
2009	France	all breeds	reproductive traits, udder score (Lacaune only), longevity	Yes	Udder score (Lacaune only)	udder score (Lacaune only)
2008	Germany	Ostfriesisches Milchscharf	Reproductive traits, longevity, weights, appearance and udder score, wool quality	Yes	Some	Yes
2009	Germany	Ostfriesisches Milchscharf	Reproductive traits, longevity, weights, appearance and udder score, wool quality	Yes	Some	Yes
2008	Italy	All breeds reported in year 2008	Udder score, morphological evaluation	yes	No	No
2009	Italy	All breeds reported in year 2009	Udder score, morphological evaluation	yes	no	no
2008	Slovak Rep.	all breeds	Reproductive traits, weight	Yes	Yes	Yes
2009	Slovak Rep.	all breeds	Reproductive traits, weight	Yes	Yes	Yes
2008	Slovenia	All breeds	Litter size and other data on reproductive cycle, daily gain to weaning (on farm), daily gain to puberty (test station)	Yes	No	Yes
2009	Slovenia	All breeds	Litter size and other data on reproductive cycle, daily gain to weaning (on farm), daily gain to puberty (test station)	yes	no	yes
2008	Spain	Assaf	Reproductive traits; weights and growths); udder score, longevity,	No (except reproductive traits)	No	No
2008	Spain	Carranzana	Udder score, longevity, prolificity, mortality, weights and growths	Yes (except weights and growths)	No (except udder score)	
2008	Spain	Churra	Udder score	Yes	Yes	Yes
2008	Spain	Lacaune	Udder score, morphology	No	SI	SI
2008	Spain	Latxa Cara Negra	Udder score, longevity, prolificity, mortality	Yes (except weights and growths)	No (except udder score)	
2008	Spain	Latxa Cara Rubia	Udder score, longevity, prolificity, mortality, weights and growths	Yes (except weights and growths)	No (except udder score)	
2008	Spain	Manchega	Udder score	Yes	Yes	Yes
2008	Spain	Merina de Grazalema	Weights and growths; resistance scrapie	Yes	No	Yes (except weights and growths)
2009	Spain	Merina de Grazalema	Resistance scrapie	Yes	No	Yes



Table 5 - Milk recording equipment used in case of machine milking

Year	Country	Breed or population (Name)	Use of jars			Use of milk meters		
			Name of the manufacturer	Measurement (weight/volume) Sampler (yes/no)	Approximate number in use	Name of the manufacturer	Measurement (weight/volume)Sampler (yes/no)	Approximate number in use
2008	Croatia	East Friesian	Cartel Germany	Measurement - volume, Sampler - no	4			
2009	Croatia	East Friesian	Cartel Germany	Measurement - volume, Sampler - no	6			
2008	Croatia	Istrian Sheep	Cartel Germany	Measurement - volume, Sampler - no	9			
2009	Croatia	Istrian Sheep	Cartel Germany	Measurement - volume, Sampler - no	12			
2008	Croatia	Paska Sheep	Cartel Germany	Measurement - volume, Sampler - no	10			
2009	Croatia	Paska Sheep	Cartel Germany	Measurement - volume, Sampler - no	15			
2009	France	All breeds	Établissements Gély (ex. Dintilhac)	Volume - Sampler	,000			
2008	Germany	Ostfriesisches Milchschaaf				TruTest		
2009	Germany	Ostfriesisches Milchschaaf				TruTest		
2008	Slovak Rep.	All breeds		Volume	20	Berango, Milkovis	Volume, sampler no	Berango 251, Milkovis 84
2009	Slovak Rep.	All breeds	Fisher Slovakia	Volume	20	Berango, Milkovis	volume, sampler no	Berango 226, Milkovis 144
2008	Slovenia	All milk breeds		Volume/Yes	2	True test, Girotech	Weight/Yes	45
2009	Slovenia	All milk breeds		Volume/Yes	2	True test, Girotech	Weight/Yes	45
2008	Spain	Assaf				Esneder	Volume/Yes	425
2008	Spain	Carranzana				Mibo	Volume/Yes	50
2008	Spain	Churra				Berango	Volume/Yes	150
2008	Spain	Lacaune				Westfalia	Volume/Yes	25
2008	Spain	Latxa Cara Negra				Mibo	Volume/Yes	216
2008	Spain	Latxa Cara Rubia				Mibo	Volume/Yes	166
2008	Spain	Manchega		Volume/Yes	1	DeLaval, Westfalia, Flaco	Volume/Yes	820
2008	Spain	Merina de Grazalema				ref:EE 120416	Volume/Yes	3
2009	Spain	Merina de Grazalema				ref:EE 120416	Volume/Yes	4

Table 6 - Breeding program using artificial insemination

Year	Country	Breed or population (Name)	AI		Progeny test		
			Fresh semen	Frozen semen	Selection criteria	AI progeny-tested rams per year	Number of AI per progeny-tested ram
2008	France	Basco-Béarnaise	14464		Milk yield, fat and protein	49	
2009	France	Basco-Béarnaise	14128		Milk yield, fat and protein	52	
2008	France	Corse	7097		Milk yield	30	
2009	France	Corse	6336		Milk yield	31	
2008	France	Lacaune	399885		Milk yield, fat and protein; SCC and udder score	445	120
2009	France	Lacaune	395812		Milk yield, fat and protein; SCC and udder score	445	
2009	France	Manech Tête Noire	7869		Milk yield, fat and protein	36	
2008	France	Manech Tête Rousse	59221		Milk yield, fat and protein	158	
2009	France	Manech Tête Rousse	56,760		Milk yield, fat and protein	151	
2008	France	Manech Tête Noire	9440		Milk yield, fat and protein	40	
2009	Italy	All ¹	15000				
2008	Slovenia ²		No	No	No	No	No
2009	Slovenia ²		No	No	No	No	No
2008	Spain	Assaf	6488	160		60	200
2008	Spain	Carranzana	300	0	Morphology	2	120
2008	Spain	Churra	8850	3454	Milk Production, Fat, Protein, Lactose, SCS, Tse Resistance, Udder Score	51	170
2008	Spain	Latxa Cara Negra	15103	0	Fat, Protein, Lactose, SCS, Dry Matter, Udder Score, Morphology	50	120
2008	Spain	Latxa Cara Rubia	9210		Fat, Protein, Lactose, SCS, Dry Matter, Udder Score, Morphology	30	120
2008	Spain	Manchega	35764		Milk Production, Tse Resistance, Udder Score	150/175	200/250

¹ Not available if fresh or frozen semen - mainly on Sarda sheep

² Slovenia do not use AI

Table 7 – Molecular information

Year	Country	Breed or population	Type of genotyping ¹	Number of analysis, Number of flocks involved	Use in experimental program	Effective use in selection program
2008	Belgium (Wallonia Region)	Sheep (all breeds)	PrP	185 an.		185
2009	Belgium (Wallonia Region) ¹	Sheep (all breeds)	Filiation tests	673 an. (A, F, M)		2
2009	Belgium (Wallonia Region)	Sheep (all breeds)	PrP	206 an.		206
2008	Belgium (Wallonia Region)	Sheep (Belgian Milk Sheep)	Microsatellite markers for genetic diversity studies	121 / 12	Cryo-preservation program	
2008	Belgium (Wallonia Region) ²	Sheep (all breeds)	Filiation tests	977 an. (A,F,M)		252
2008	Croatia					
2009	Croatia					
2008	Czech Rep.	All breeds	PrP			Yes
2009	Czech Rep.	All breeds	PrP			Yes
2008	France	all breeds	Filiation tests	1473 animals (all rams progeny-tested and some ewes)		Yes
2009	France	all breeds	Filiation tests	1466 animals (all rams progeny-tested and some ewes)		Yes
2009	France	all breeds	Filiation tests	1466 animals (all rams progeny-tested and some ewes)		Yes
2008	France	Basco-Béarnaise	PrP	1688		Yes
2009	France	Basco-Béarnaise	PrP	1461		Yes
2008	France	Corse	PrP	1950		Yes
2009	France	Corse	PrP	2016		Yes
2008	France	Lacaune	PrP	6704		Yes
2009	France	Lacaune	PrP	6337		Yes
2008	France	Manech Tête Noire	PrP	648		Yes
2009	France	Manech Tête Noire	PrP	745		Yes
2008	France	Manech Tête Rousse	PrP	5943		Yes
2009	France	Manech Tête Rousse	PrP	4348		Yes
2009	Italy	all	Scrapie	20000 analysis (estimated)		
2008	Slovak Rep.	all breeds	PrP genotyping	2251 analysis		Yes
2009	Slovak Rep.	all breeds	PrP genotyping	2246 analysis		Yes
2008	Slovenia	All breeds	PrP genotyping	5623 analyses, 410 flocks		Yes
2009	Slovenia	All breeds	PrP genotyping	2255 analyses, 253 flocks		Yes
2008	Spain	Assaf	Filiation test, GEN PNRP	Filiation test: 23000/60; PNRP: 25468/127	No	Yes
2008	Spain	Carranzana	Filiation test (9), PNRP	Filiation test: 4/2, PNRP: 415/7	No	Yes
2008	Spain	Churra	PNRP	33435/170		Yes
2008	Spain	Colmenareña	Filiation test; PNRP	Filiation test: 753; PNRP: 6		
2009	Spain	Colmenareña	Filiation test; PNRP	Filiation test: 502; PNRP: 6		
2008	Spain	Lacaune	PNRP	PNRP:34000/29		Yes
2008	Spain	Latxa Cara Negra	Filiation test (9), PNRP	Filiation test: 103/54; PNRP: 9841/114	No	Yes
2008	Spain	Latxa Cara Rubia	Filiation test (9), PNRP	Filiation test: 77/22, PNRP:8171/59	No	Yes
2008	Spain	Manchega	Filiation test (9-12), PNRP	Filiation test: 8200/90; PNRP: 40739/139		Yes
2008	Spain	Merina de Grazalema	Filiation test (11), PNRP	Filiation test: 225/6; PNRP: 1632/35		Yes
2009	Spain	Merina de Grazalema	Filiation test (11), PNRP	Filiation test: 640/30; PNRP: 650/30		Yes
2008	Spain	Rubia del Molar	PNRP; Filiation test	PNRP: 176/10; Filiation test: 112/6		Yes

¹ Most of the samples are collected but analyzed only if needed; more analysis in 2008 so very few in 2009

² Most of the samples are collected but analyzed only if needed

The following, are the accounts of the National Responsibles for the submission to the on-line database.

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