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Results for the years 2010 - 2011



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

INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING

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Table 1 - Basic information on population, recording methods and percentages (Years 2010 and 2011)

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						
			Size of the population (Estimation)		Recorded population									Size of the population (Estimates)		Recorded population (Estimation)				
			Number of flocks	Number of ewes	Number of flocks	Number of ewes	Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary)	Percentage of AT , BT, CT (precise if necessary)	Percentage of AC, BC, CC (precise if necessary)	Percentage of E4, E5, E6, ET, EC (precise if necessary)	Breeding system (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	Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes			
2010-2011	Belgium (Wallonia Region)	Dairy sheep (all breeds together)	9	1,326	0	0	Detailed information on demand													
2010	Canada				2	327														
2011	Canada				2	531														
2010	Croatia	East Friesian	50	2,000	30	1,469		100% AT			2	61								
2011	Croatia	East Friesian	50	200	17	833		100% AT			2	55								
2010	Croatia	Istrian Sheep	39	2,500	39	2,175		100% AT			2	51								
2011	Croatia	Istrian Sheep	41	2,314	41	2,314		100% AT			2	58								
2010	Croatia	Paska Sheep	600	30,000	55	4,106		100% AT			2	32								
2011	Croatia	Paska Sheep	600	30,000	53	5,041		100% AT			2	33								
2010	Czech Republic	All breeds			28	1,057		AT		ET	1 and 2	40								
2011	Czech Republic	All breeds			26	853		AT		ET	1 and 2	40								
2010	Czech Republic	Bergschaf			1	4														
2010	Czech Republic	Bohemian Forest Sheep			1	48														
2010	Czech Republic	East Friesian			21	601														
2011	Czech Republic	East Friesian			23	672														
2010	Czech Republic	Improved Valachian			1	1														
2010	Czech Republic	Lacaune			4	403														
2011	Czech Republic	Lacaune			2	176														
2011	Czech Republic	Other breeds			1	5														
2011	France	Basco-Béarnaise	400	75,000	82	24,108			AC 100%		2	35	90	400	75,000	25	5,887			
2011	France	Corse	375	85,000	58	16,268			AC 100%		2	35	90%	375	85,000	40	10,759			
2011	France	Lacaune	2,500	885,000	364	170,408			AC 100%		2	25	100%	2,500	885,000	1,225	508,982			
2011	France	Manech Tête Noire	480	85,000	48	13,365			AC 100%		2	35	90%	480	85,000	4	994			

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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			
			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary)	Percentage of AT, BT, CT (precise if necessary)	Percentage of AC, BC, CC (precise if necessary)	Percentage of E4, E5, E6, ET, EC (precise if necessary)	Breeding system (1) Milking from lambing (2) Milking after a suckling period 2	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	Number of flocks	Number of ewes								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes
2011	France	Manech Tête Rousse	1,300	265,000	215	76,324											
2010	Germany	Ostfriesisches Milchschaaf	307	8,000	49	753	53	11		36	(1)		50				
2011	Germany	Ostfriesisches Milchschaaf	273	7,612	40	563	51	7		42	(1)		50				
2010	Greece	Agriniou	4	798	4	798	100% A4				2	54					
2011	Greece	Agriniou	4	822	4	822	100% A4				2	54					
2010	Greece	Florinas-Pelagonias	2	300													
2011	Greece	Florinas-Pelagonias	2	350													
2010	Greece	Frizarta	645	57,500	79	10,617	100% A4				2	42-47	54,43%				
2011	Greece	Frizarta	645	57,500	73	9,822	100% A4				2	42-47	69,86%				
2010	Greece	Glossas Skopelou	19	3,165	19	3,165											
2011	Greece	Glossas Skopelou	19	3,969	19	3,969											
2010	Greece	Kalaritiki	21	6,336	18	5,626											
2011	Greece	Kalaritiki	21	6,104	18	5,339											
2010	Greece	Karagouniki	2,600	180,000	82	8,648	100% A4				2	55±10	19,51%				
2011	Greece	Karagouniki	2,600	180,000	77	8,095	100% A4				2	45-65	20,78%				
2010	Greece	Karistou	450	60,000													
2011	Greece	Karistou	450	60,000													
2010	Greece	Katsika	5	1,556	5	1,556	100% A4				2	42					
2011	Greece	Katsika	5	1,633	5	1,633	100% A4				2	42					
2010	Greece	Kefallinias	300	32,000													
2011	Greece	Kefallinias	300	32,000													
2010	Greece	Kimis	13	904	13	904											
2011	Greece	Kimis	10	741	10	741											
2010	Greece	Lesvou	1,652	254,350	103	22,553	100% A4				2	49					
2011	Greece	Lesvou	1,650	254,000	102	19,783	100% A4				2	49	22,55%				
2010	Greece	Pilioritiki or Piliou	25	2,591	25	2,591											
2011	Greece	Pilioritiki or Piliou	26	2,776	26	2,776											
2010	Greece	Sarakatsaniko	4	1,191	3	976											
2011	Greece	Sarakatsaniko	5	1,205	3	975											

Table 1 - Basic information on population, recording methods and percentages (Years 2010 and 2011)

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			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary)	Percentage of AT, BT, CT (precise if necessary)	Percentage of AC, BC, CC (precise if necessary)	Percentage of E4, E5, E6, ET, EC (precise if necessary)	Breeding system (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	Number of flocks	Number of ewes								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes
2010	Greece	Serron	33	5,700	32	5,637						40-50					
2011	Greece	Serron	35	6,000	32	5,422											
2010	Greece	Sfakion	480	58,000	80	10,776	100% A4				2	49					
2011	Greece	Sfakion	480	58,000	79	10,675	100% A4				2	49					
2010	Greece	Xiou	317	80,100	74	24,126	100% A4				2	30-42	100%				
2011	Greece	Xiou	322	82,388	76	21,308	100% A4				2	40-50	100%				
2010	Greece	Zakynthou	9	860	9	860											
2011	Greece	Zakynthou	10	1,000	10	1,000											
2010	Italy	Altamura			3	88		AT	AC		2	30					
2011	Italy	Altamura			4	227		AT	AC		2	30					
2010	Italy	Barbaresca			17	1,014		AT	AC		2	30					
2011	Italy	Barbaresca			14	904		AT	AC		2	30					
2010	Italy	Brigasca			8	1,027		AT	AC		2	30					
2011	Italy	Brigasca			5	611		AT	AC		2	30					
2010	Italy	Comisana			586	47,487		AT	AC		2	30					
2011	Italy	Comisana			562	39,602		AT	AC		2	30					
2010	Italy	Delle Langhe			76	2,773		AT	AC		2	30					
2011	Italy	Delle Langhe			63	2,686		AT	AC		2	30					
2010	Italy	Frisona			5	80		AT	AC		2	30					
2011	Italy	Frisona			4	69		AT	AC		2	30					
2010	Italy	Gentile di Puglia			1	5		AT	AC		2	30					
2010	Italy	Lacaune			11	1,576		AT	AC		2	30					
2011	Italy	Lacaune			10	1,388		AT	AC		2	30					
2010	Italy	Massese			56	4,570	AT	AC			2	30					
2011	Italy	Massese			55	4,494		AT	AC		2	30					
2010	Italy	Moscia Leccese			9	697		AT	AC		2	30					
2011	Italy	Moscia Leccese			11	719		AT	AC		2	30					
2010	Italy	Nera di Arbus			14	475		AT	AC		2	30					
2011	Italy	Nera di Arbus			13	625		AT	AC		2	30					
2010	Italy	Pinzirita			243	28,770		AT	AC		2	30					
2011	Italy	Pinzirita			243	25,117		AT	AC		2	30					
2010	Italy	Sarda			1,090	252,660		AT	AC		2	30					
2011	Italy	Sarda			1,062	239,519		AT	AC		2	30					
2010	Italy	Valle del Belice			1,050	162,821		AT	AC		2	30					
2011	Italy	Valle del Belice			1,101	161,775		AT	AC		2	30					
2011	Portugal	Churra Terra Quente	149	17,372	103	7,066	100% A4				2) 100%	44	0%				

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			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary)	Percentage of AT, BT, CT (precise if necessary)	Percentage of AC, BC, CC (precise if necessary)	Percentage of E4, E5, E6, ET, EC (precise if necessary)	Breeding system (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	Number of flocks	Number of ewes								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes
2011	Portugal	Salonia	20	3,896	18	1,550	100% A4				2) 100%	45	20%				
2011	Portugal	Serra da Estrela	217	19,861	217	12,310	100% A4				2) 100%	46	50%				
2010	Slovak republic	East Friesian			9	51			100% AC		2	50,6	50%				
2011	Slovak republic	East Friesian			7	38			100% AC		2	57	50%				
2010	Slovak republic	Hybrids			19	2,824			100% AC		2	57,2	72,7%				
2011	Slovak republic	Hybrids			13	1,460			100% AC		2	58	79%				
2010	Slovak republic	Improved Valachian			43	7,767			100% AC		2	49,6	57%				
2011	Slovak republic	Improved Valachian			32	4,674			100% AC		2	51	79%				
2010	Slovak republic	Lacaune			15	707			100% AC		2	55,7	76,9%				
2011	Slovak republic	Lacaune			14	596			100% AC		2	57	75%				
2010	Slovak republic	Tsigai			36	5,390			100% AC		2	55,4	61%				
2011	Slovak republic	Tsigai			29	4,039			100% AC		2	57	65%				
2010	Slovak republic	Valachian			3	52			100% AC		2	61,1	66,7%				
2011	Slovak republic	Valachian			2	20			100% AC		2	68	68%				
2010	Slovenia	Bovec sheep	75	2,700	25	2,324		100			1 and 2	42	100				
2011	Slovenia	Bovec sheep	75	2,700	25	2,674		100			1 and 2	50	100				
2010	Slovenia	Improved Bovec sheep	25	1,100	11	639		100			1 and 2	39	100				
2011	Slovenia	Improved Bovec sheep	25	1,100	14	664		100			1 and 2	55	100				
2010	Slovenia	Istrian Pramenka	15	1,150	5	845		100			1 and 2	53	100				
2011	Slovenia	Istrian Pramenka	15	1,150	4	896		100			1 and 2	79	100				
2010	Spain	Assaf			130	100,944		100%-AT4			(1) 60%; (2)-40%	28	100				
2011	Spain	Canaria			33	910	A6 100%				2		100				

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			Size of the population (Estimation)		Recorded population		Percentage of A4, A5, A6, B4, B5, B6, C4, C5, C6 (precise if necessary)	Percentage of AT, BT, CT (precise if necessary)	Percentage of AC, BC, CC (precise if necessary)	Percentage of E4, E5, E6, ET, EC (precise if necessary)	Breeding system (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	Number of flocks	Number of ewes								Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes
2010	Spain	Carranzana	710	11,783	7	2,434		100				30	17				
2011	Spain	Carranzana	761	11,661	10	2,604		AT-100%			2	30					
2011	Spain	Castellana	19	17,500	10	7,149		AT-100%			2	30	100				
2010	Spain	Churra	950	480,000	88	41,989		100% AT			2	25	98				
2011	Spain	Churra	950	480,000	86	42,266		AT			2	25	98				
2011	Spain	Colmenareña	13	4,276	5	2,303		100%A4			2	35	40%				
2010	Spain	Lacaune	190	150,000	59	53,969		AT4			1		35				
2011	Spain	Lacaune	190	150,000	78	44,134		AT4			1) 80%; 2) 20%	22	35%				
2010	Spain	Latxa Cara Negra	4,266	170,903	118	52,769		AT-48%	AC-52%			30	81				
2011	Spain	Latxa Cara Negra	4,297	177,435	116	48,891		49.7	50.3		2	30	78				
2010	Spain	Latxa Cara Rubia	4,340	207,851	76	34,560		AT-47 %	AC-53%			30	89				
2011	Spain	Latxa Cara Rubia	4,397	205,575	78	33,370		41	59		2	30	88				
2010	Spain	Manchega	910	556,363	136	110,310	100%AT				2	30	100%				
2011	Spain	Manchega	917	569,084	141	117,654		100%AT			2	30	100				
2010	Spain	Merina de Grazalema	34	4,799	8	1,318	A4	AT			1) 5%; 2) 95%	55	75				
2011	Spain	Merina de Grazalema ¹	34	5,064	8	1,338		AT-100%			1) 5%; 2) 95%	55	75%				
2011	Spain	Rubia del Molar	3	525	2	525		100%AT4			2	35	0				
2010-2011	Sweden	East Friesian Dairy Sheep and crosses with Swedish Finewool Sheep	10 to 15 flocks														

¹ Number of standard lactations (1,149)

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2010 and 2011)

Year	Country	Breed or population (Name)	Lactation calculation				Production of reference (for lactation)		Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	TMM (Yes/No) If yes, standard length (days)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2010-2011	Belgium (Wallonia Region) ¹	Mouton Laitier Belge									
2010	Croatia	East Friesian	Yes	Yes	No	No	No	No	145.5 (118 days)	161,1 (134 days)	157,99 (130 days)
2011	Croatia	East Friesian	Yes	Yes	No	No	No	No	172.55	202,7	195,68
2010	Croatia	Istrian Sheep	Yes	Yes	No	No	No	No	117.8 (113 days)	126,6 (126 days)	123,91 (125 days)
2011	Croatia	Istrian Sheep	Yes	Yes	No	No	No	No	125.9	129,28	127,00
2010	Croatia	Paska Sheep	Yes	Yes	No	No	No	No	86.6 (126 days)	105,2 (131 days)	107,94 (134 days)
2011	Croatia	Paska Sheep	Yes	Yes	No	No	No	No	83.08	99,56	99,70
2010	Czech Republic	All breeds									300
2011	Czech Republic	All breeds									346
2011	France	Basco-Béarnaise	No	Yes	No	No	No	No	133 (106 days)	186 (155 days)	177 (146 days)
2011	France	Corse	No	Yes	No	No	No	No	92 (129 days)	146 (194 days)	137 (184 days)
2011	France	Lacaune	No	Yes	No	No	No	No	235 (145 days)	309 (171 days)	290 (165 days)
2011	France	Manech Tête Noire	No	Yes	No	No	No	No	97 (94 days)	156 (145 days)	151 (140 days)
2011	France	Manech Tête Noire	No	Yes	No	No	No	No	165 (135 days)	211 (163 days)	204 (158 days)
2010	Germany	Ostfriesisches Milchscharf			Yes			Yes (150 days)			285
2011	Germany	Ostfriesisches Milchscharf			Yes			Yes (150 days)			312
2011	Greece	Agriniou		Yes			160.91±32.49				140.79±41.99
2010	Greece	Frizarta		Yes			188.52±45.24				271.87±95.45
2011	Greece	Frizarta		Yes			183.43±47.92				242.80±70.75
2010	Greece	Karagouniki		Yes			143±26.50				153±30.80
2011	Greece	Karagouniki		Yes			133±21.80				136±25.90

¹ Detailed information on demand at: jeanfrancois.duckerts@spw.wallonie.be

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2010 and 2011)

Year	Country	Breed or population (Name)	Lactation calculation				Production of reference (for lactation)		Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	TMM (Yes/No) If yes, standard length (days)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2010	Greece	Katsika		Yes			180±8				131.10±38.20
2011	Greece	Katsika		Yes			165±25				132.10±40.10
2010	Greece	Kimis									
2011	Greece	Kimis									
2010	Greece	Lesvou		Yes							
2011	Greece	Lesvou		Yes			170.91±32.38				162.18±51.19
2010	Greece	Serron									
2011	Greece	Serron									
2010	Greece	Sfakion									
2011	Greece	Sfakion		Yes			181.57±36.06				144.58±33.44
2010	Greece	Xios		Yes			197±30.12				310.41±89.17
2011	Greece	Xiou		Yes			202±28.21				309.35±78.23
2011	Greece	Zakynthou									
2010	Italy	Altamura	Yes	Yes	No	No	Yes	No		39	39
2011	Italy	Altamura	Yes	Yes	No	No	Yes	No	27	63	62
2010	Italy	Barbaresca	Yes	Yes	No	No	Yes	No	94	165	162
2011	Italy	Barbaresca	Yes	Yes	No	No	Yes	No	97	159	158
2010	Italy	Brigasca	Yes	Yes	No	No	Yes	No	80	95	94
2011	Italy	Brigasca	Yes	Yes	No	No	Yes	No	72	85	84
2010	Italy	Comisana	Yes	Yes	No	No	Yes	No	102	178	174
2011	Italy	Comisana	Yes	Yes	No	No	Yes	No	95	160	157
2010	Italy	Delle Langhe	Yes	Yes	No	No	Yes	No	103	160	156
2011	Italy	Delle Langhe	Yes	Yes	No	No	Yes	No	103	137	134
2010	Italy	Frisona	Yes	Yes	No	No	Yes	No	140	157	155
2011	Italy	Frisona	Yes	Yes	No	No	Yes	No	98	146	132
2010	Italy	Gentile di Puglia	Yes	Yes	No	No	Yes	No		50	51
2010	Italy	Lacaune	Yes	Yes	No	No	Yes	No	181	211	211
2011	Italy	Lacaune	Yes	Yes	No	No	Yes	No	154	201	198
2010	Italy	Massese	No	Yes	No	No	Yes	No	104	134	131
2011	Italy	Massese	Yes	Yes	No	No	Yes	No	112	129	128
2011	Italy	Moscia Leccese	Yes	Yes	No	No	Yes	No	92	143	141
2010	Italy	Near di Arbus	Yes	Yes	No	No	Yes	No	108	165	148
2011	Italy	Nera di arbus	Yes	Yes	No	No	Yes		100	169	153
2010	Italy	Pinzirita	Yes	Yes	No	No	Yes	No	80	135	132
2011	Italy	Pinzirita	Yes	Yes	No	No	Yes	No	84	141	140

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2010 and 2011)

Year	Country	Breed or population (Name)	Lactation calculation				Production of reference (for lactation)		Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	TMM (Yes/No) If yes, standard length (days)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2010	Italy	Sarda	Yes	Yes	No	No	Yes	No	136	203	196
2011	Italy	Sarda	Yes	Yes	No	No	Yes	No	141	207	199
2010	Italy	Valle del Belice	Yes	Yes	No	No	Yes	No	119	207	200
2011	Italy	Valle del Belice	Yes	Yes	No	No	Yes	No	115	197	192
2010	Italy ²	Moscia Leccese	Yes	Yes	No	No	Yes	No	154	130	131
2011	Portugal	Churra Terra Quente	Yes	No	No	Yes 150	No	No	78	78	78
2011	Portugal	Salvia	Yes	No	No	Yes 150	No	No	94	102	101
2011	Portugal	Serra da Estrela	Yes	No	No	Yes 150	No	No	147	202	174
2010	Slovak republic	East Friesian	No	Yes	No	No	Yes (150 days)	No			202.15
2011	Slovak republic	East Friesian	No	Yes	No	No	Yes (150 days)	No			222.0
2010	Slovak republic	Hybrids	No	Yes	No	No	Yes (150 days)	No			122.39
2011	Slovak republic	Hybrids	No	Yes	No	No	Yes (150 days)	No			174.5
2010	Slovak republic	Improved Valachian	No	Yes	No	No	Yes (150 days)	No			113.29
2011	Slovak republic	Improved Valachian	No	Yes	No	No	Yes (150 days)	No			123.4
2010	Slovak republic	Lacaune	No	Yes	No	No	Yes (150 days)	No			214.3
2011	Slovak republic	Lacaune	No	Yes	No	No	Yes (150 days)	No			208.8
2010	Slovak republic	Tsigai	No	Yes	No	No	Yes (150 days)	No			101.7
2011	Slovak republic	Tsigai	No	Yes	No	No	Yes (150 days)	No			111.6
2010	Slovak republic	Valachian	No	Yes	No	No	Yes (150 days)	No			88.9
2011	Slovak republic	Valachian	No	Yes	No	No	Yes (150 days)	No			93.7

² Yield from day 30 to reference length

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2010 and 2011)

Year	Country	Breed or population (Name)	Lactation calculation				Production of reference (for lactation)		Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	TMM (Yes/No) If yes, standard length (days)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2010	Slovenia	Bovec sheep	Yes	Yes	Yes	No	No	No			TSM 219 kg, TMM 165 kg, suckled 65 kg, lactation length 208 days
2011	Slovenia	Bovec sheep	Yes	Yes	Yes	No	No	No			TSM 215 kg, TMM 164 kg, suckled 51 kg, lactation length 210 days
2010	Slovenia	Improved Bovec sheep	Yes	Yes	Yes	No	No	No			TSM 278 kg, TMM 219 kg, suckled 59 kg, lactation length 207 days
2011	Slovenia	Improved Bovec sheep	Yes	Yes	Yes	No	No	No			TSM 279 kg, TMM 226 kg, suckled 53 kg, lactation length 206 days
2010	Slovenia	Istrian Pramenka	Yes	Yes	Yes	No	No	No			TSM 121 kg, TMM 71 kg, suckled 50 kg, lactation length 174 days
2011	Slovenia	Istrian pramenka	Yes	Yes	Yes	No	No	No			TSM 133 kg, TMM 83 kg, suckled 49 kg, lactation length 192 days
2011	Spain	Canaria	Yes	No	No	Yes: 150 days (parity 1) 210 days (parity 2 or greater)	No	No	125	115	120
2010	Spain	Carranzana	Yes	Yes	Yes	Yes	Yes (120 days)		159	134	138
2011	Spain	Carranzana	Yes	Yes		Yes	Yes (120 days)		164	162	
2011	Spain	Castellana	Yes	No	No				77.6	116.4	97

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2010 and 2011)

Year	Country	Breed or population (Name)	Lactation calculation				Production of reference (for lactation)		Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	TMM (Yes/No) If yes, standard length (days)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)	All ewes
2010	Spain	Churra	Yes	Yes	No		Yes (120 days)		122	129	128
2011	Spain	Churra	Yes	Yes	No	No	Yes (120 days)	No	122	129	128
2011	Spain	Colmenareña	No	Yes	No	No	Yes (120 days)	No	71	77	75
2010	Spain	Lacaune	No	No	Yes	No	No	Yes (160 Days)	310	298	304
2011	Spain	Lacaune	No	No	Yes	No	No	Yes (120)	308	315	312
2010	Spain	Latxa Cara Negra	Yes	Yes	Yes	Yes		Yes (120 Days)	132 (Basque Country) - 155 (Navarra)	170	
2011	Spain	Latxa Cara Negra	Yes	Yes		Yes	Yes (120 days)		135	165	
2010	Spain	Latxa Cara Rubia	Yes	Yes	Yes	Yes	Yes (120 days)		159	171	
2011	Spain	Latxa Cara Rubia	Yes	Yes		Yes	Yes (120 days)		161	167	
2010	Spain	Manchega	Yes	Yes	No	Yes	Yes (120 days)	No	157	165	161
2011	Spain ³	Manchega	Yes	Yes	No	Yes	Yes (120 days)	No	180	192	186
2011	Spain	Rubia del Molar	No	Yes	No	No	Yes (120 days)	No	84	93	89
2011	Spain ⁴	Merina de Grazalema	No	Yes	No	No	Yes (156 days)	No	61.3	120.2	118.2

³ Milk yield during the whole lactation period.⁴ Genetic evaluation: random regression for total production, duration of the lactation, milk considered to 90, 120 and 150 days, percentage of fat, protein, dry extract and extract for cheese making.

Table 3 - Optional tests for milk composition (Years 2010 and 2011)

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)
2010-2011	Belgium (Wallonia Region) ¹	Mouton Laitier Belge (Belgian Dairy Sheep)			
2010	Croatia	East Friesian	821	AT	Fat content (Yes) 5,88 %, Protein content (Yes) 5,28%, Lactose(Yes) 4,50%, Somatic Cells Counts
2011	Croatia	East Friesian	459	AT	Fat content (Yes) 6,15 %, Protein content (Yes) 5,21%, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)
2010	Croatia	Istrian Sheep	1,307	AT	Fat content (Yes) 7,35 %, Protein content (Yes) 6,00%, Lactose(Yes) 4,28 %, Somatic Cells Counts
2011	Croatia	Istrian Sheep	1,397	AT	Fat content (Yes) 7,15 %, Protein content (Yes) 5,88%, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)
2010	Croatia	Paska Sheep	2,839	AT	Fat content (Yes) 7,43 %, Protein content (Yes) 6,06%, Lactose(Yes) 4,61 %, Somatic Cells Counts
2011	Croatia	Paska Sheep	2,790	AT	Fat content (Yes) 7,38 %, Protein content (Yes) 5,99 %, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)
2010	Czech Republic	All breeds		AT, E	Fat, Protein, SC, Lactose
2011	Czech Republic	All breeds		AT, E	Fat, Protein, SC, Lactose
2011	France	Basco-Béarnaise, Manech Tête noire, Manech Tête Rousse	Parity 1 (19,904)	part-lactation sampling	Fat, Protein, SCC
2011	France	Lacaune	Parities 1 and 2 (64,259)	part-lactation sampling	Fat, Protein, SCC
2010	Germany	Ostfriesisches Milchschaaf	753	A4, B4, AT4, E4	Fat-, Protein-, Lactose content, Somatic Cells, Urea
2011	Germany	Ostfriesisches Milchschaaf	563	A4, B4, AT4, E4	Fat-, Protein-, Lactose content, Somatic Cells, Urea
2010	Italy ²	Sarda	Primiparous - 2,5595 lactations	fat-protein	Fat - protein - SCC
2011	Italy ²	Sarda	Primiparous - 2,2061		Fat - protein - SCC
2011	Portugal	Churra Terra Quente		A4	No
2011	Portugal	Saloia		A4	No

¹ Detailed information on demand at: jeanfrancois.duckerts@spw.wallonie.be² Number referred to lactations, not ewes

Table 3 - Optional tests for milk composition (Years 2010 and 2011)

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)
2011	Portugal	Serra da Estrela		A4	No
2010	Slovak republic	East Friesian	Parity 1 to 3, 51 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovak republic	East Friesian	Parity 1 to 3, 38 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovak republic	Hybrids	Parity 1 to 3, 2,824 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovak republic	Hybrids	Parity 1 to 3, 1,460 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovak republic	Improved Valachian	Parity 1 to 3, 7 767 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovak republic	Improved Valachian	Parity 1 to 3, 4 674	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovak republic	Lacaune	Parity 1 to 3, 707 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovak republic	Lacaune	Parity 1 to 3, 596 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovak republic	Tsigai	Parity 1 to 3, 5,390 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)

Table 3 - Optional tests for milk composition (Years 2010 and 2011)

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)
2011	Slovak republic	Tsigai	Parity 1 to 3, 4,039 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovak republic	Valachian	Parity 1 to 3, 52 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovak republic	Valachian	Parity 1 to 3, 20 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2010	Slovenia	All milk breeds	All milk ewes under control	AT	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Slovenia	All milk breeds	All milk ewes under control	AT	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)
2011	Spain	Canaria		A6	Fat, protein, SCS, lactose
2010	Spain	Carranzana		AC	Fat content (yes), Protein content (yes) SCS (yes) Lactose (yes), Dry matter (yes)
2011	Spain ³	Carranzana		AC	Fat, protein, SCS, lactose, dry matter
2011	Spain	Castellana		AT4	Yes: fat, protein, dry matter, SCS
2010	Spain	Churra		AT	Fat content (yes), protein content (yes), lactose (yes), SCS (yes)
2011	Spain	Churra		AT	Fat, protein, SCS, lactose
2011	Spain	Colmenareña		A4	Fat, protein, SCS, lactose, dry matter

³ Laboratory accredited by ENAC (174/LE 381), fat, protein, lactose, dry matter in % weight. SCS/1,000ml

Table 3 - Optional tests for milk composition (Years 2010 and 2011)

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)
2010	Spain	Lacaune		AT4	Fat content (yes), protein content (yes), SCS (yes)
2011	Spain	Lacaune		AT4	Fat, protein, SCS
2010	Spain	Latxa Cara Negra		AC	Fat content (yes), protein content (yes) SCS (yes) lactose (yes), dry matter (yes)
2011	Spain ⁴	Latxa Cara Negra		AC	Fat, protein, SCS, lactose, dry matter
2010	Spain	Latxa Cara Rubia		AC	Fat content (yes), protein content (yes) SCS (yes) lactose (yes), dry matter (yes)
2011	Spain ⁴	Latxa Cara Rubia		AC	Fat, protein, SCS, lactose, dry matter
2010	Spain	Manchega		AT	Fat content (yes), protein content (yes), dry matter (yes), SCS (yes)
2011	Spain	Manchega		AT	Fat, protein, dry matter, SCS
2010	Spain ⁵	Merina de Grazalema		AT4	Fat content (yes), protein content (yes), lactose (yes), dry matter (yes)
2011	Spain ⁶	Merina de Grazalema		AT4	Fat, protein, SCS, lactose, dry matter
2011	Spain	Rubia del Molar		A4	Fat, protein, SCS, lactose, dry matter

⁴ Laboratory accredited by ENAC (174/LE 381), fat, protein, lactose, dry matter in % weight. SCS/1,000ml

⁵ Fat content (7,48), protein (5,77), lactose (4,58), dry matter (18,65)

⁶ Fat (8.221%), protein (6.398%), lactose (4.501), dry matter (20.428%). SCS (466,027)

Table 4 - Recording of non-milking traits (Years 2010 and 2011)

Year	Country	Breed or population	Reproductive traits, weights and growths, udder score, longevity			
			Traits	On-farm recording (Yes/No)	Breeding evaluation (Yes/No)	Use in selection (Yes/No)
2010-2011	Belgium (Wallonia Region)		None			
2010	Croatia	East Friesian	Reproductive traits and birth weight (12 years, number of controlled ewes in 2010: 1,049)	Yes	No	Yes
2011	Croatia	East Friesian	Reproductive traits and birth weight (13 years, number of controlled ewes in 2011: 633)	Yes	No	Yes
2010	Croatia	Istrian Sheep	Reproductive traits and birth weight (12 years, number of controlled ewes in 2010: 1,645)	Yes	No	Yes
2011	Croatia	Istrian Sheep	Reproductive traits and birth weight (13 years, number of controlled ewes in 2011: 1,769)	Yes	No	Yes
2010	Croatia	Paska Sheep	Reproductive traits and birth weight (12 years, number of controlled ewes in 2010: 3,313)	Yes	No	Yes
2011	Croatia	Paska Sheep	Reproductive traits and birth weight (13 years, number of controlled ewes in 2011: 4,143)	Yes	No	Yes
2010	Czech Republic	All breeds	Weight, reproductive traits	Yes	Yes	Yes
2011	Czech Republic	All breeds	Weight, reproductive traits	Yes	Yes	Yes
2011	France	all breeds	Reproductive traits, udder score (Lacaune only), longevity	yes	Udder score (Lacaune only)	Udder score (Lacaune only)
2010	Germany	Ostfriesisches Milchschaaf	Reproduction, longevity, weights, Appearance and Udder Score, Wool	Yes	Some	Yes
2011	Germany	Ostfriesisches Milchschaaf	Reproduction, longevity, weights, Appearance and Udder Score, Wool	Yes	Some	Yes
2010	Italy ¹	All breeds reported in year 2010	Udder score, morphological evaluation	Yes	No	No
2011	Italy ¹	All breeds reported in year 2011	Udder score, morphological evaluation	Yes	No	No
2011	Portugal	Churra Terra Quente	Udder score, Longevity, Prolificity	Yes	No	No
2011	Portugal	Saloia	Udder score, longevity, Prolificity	Yes	No	No
2011	Portugal	Serra da Estrela	Udder score, Longevity, Prolificity	Yes	Yes	Yes
2010	Slovak republic	All breeds	Reproductive traits, weight	Yes	Yes	Yes
2011	Slovak republic	All breeds	Reproductive traits, weight	Yes	Yes	Yes
2010	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
2011	Slovenia	All breeds recorded	Litter size and other data on reproductive cycle, daily gain to weaning (on farm), daily gain to puberty (test station)	Yes	No	Yes
2011	Spain	Canaria	None	No	No	No

¹ Performed to enroll animals in HerdBooks

Table 4 - Recording of non-milking traits (Years 2010 and 2011)

Year	Country	Breed or population	Reproductive traits, weights and growths, udder score, longevity			
			Traits	On-farm recording (Yes/No)	Breeding evaluation (Yes/No)	Use in selection (Yes/No)
2010	Spain	Carranzana	Udder score, longevity, prolificity			
2011	Spain	Carranzana	Longevity, prolificity, mortality	Yes		
2011	Spain	Castellana	Milk production	Yes	Yes	Yes
2010	Spain	Churra	Udder score	Yes	Yes	Yes
2011	Spain	Churra	Udder score	Yes	Yes	Yes
2011	Spain	Colmenareña	No	No	No	No
2010	Spain	Lacaune				
2010	Spain	Lacha Cara Negra	Udder score (2,986), longevity (52,769), prolificity (34,585)	Yes	Udder score (Yes)	
2011	Spain ²	Lacha Cara Negra	Udder score, longevity, prolificity, mortality	Yes	Udder score (Yes)	
2010	Spain	Latxa Cara Rubia	Udder score (2,446), longevity (34,560), prolificity (24,479)	Yes	Udder score (Yes)	
2011	Spain ³	Latxa Cara Rubia	Udder score, longevity, prolificity, mortality	Yes	Udder score (Yes)	
2010	Spain	Manchega	Udder score	Yes (15,390)	Yes	Yes
2011	Spain	Manchega	Udder score	Yes (29,298) - 18,4524 from 2002	Yes	Yes
2010	Spain	Merina de Grazalema				
2011	Spain ⁴	Merina de Grazalema	Cheese yield, TSE resistance	No	Cheese yield (Yes), TSE resistance (No)	Cheese yield (Yes), TSE resistance (Yes)
2011	Spain	Rubia del Molar	No	No	No	No

² 2,870 udder score recordings³ 2,630 udder score records since 2001⁴ 250 ewes in milk recording are evaluated yearly for this purpose

Table 5 - Milk recording equipment used in case of machine milking (Years 2010 and 2011)

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
2010	Croatia	East Friesian	"Cartel" Germany	Measurement - volume, Sampler - No	6			
2011	Croatia	East Friesian	"Cartel" Germany	Measurement - volume, Sampler - No	6			
2010	Croatia	Istrian Sheep	"Cartel" Germany	Measurement - volume, Sampler - No	13			
2011	Croatia	Istrian Sheep	"Cartel" Germany	Measurement - volume, Sampler - No	13			
2010	Croatia	Paska Sheep	"Cartel" Germany	Measurement - volume, Sampler - No	15			
2011	Croatia	Paska Sheep	"Cartel" Germany	Measurement - volume, Sampler - No	15			
2011	France	All breeds	Établissements Gély	Volume - sampler	3,000			
2010	Germany	Ostfriesisches Milchschaaf				TruTest		
2011	Germany	Ostfriesisches Milchschaaf				TruTest		
2010	Greece	Frizarta				Flaco, Valko, Nicolini, Fullwood, Franco, Συλεοσ, Omc, Albino, Westfalia, Strango-Συλεοσ, Ακμα, Milkplan, Interplus		
2011	Greece	Frizarta				Flaco, Valko, Nicolini, Fullwood, Franco, Συλεοσ, Omc, Albino, Westfalia, Strango-Συλεοσ, Ακμα, Milkplan, Interplus	Volume/Yes	
2010	Greece	Karagouniki				Laval, Hector, Westfalia	Volume/Yes	
2011	Greece	Karagouniki				Laval, Hector, Westfalia	Volume/Yes	
2011	Greece	Lesvou				Interpuls, Strangko, Westfalia, Fullwood	Volume/Yes	
2010	Greece	Serron				Westfalia, De Laval	Volume/Yes	
2010	Greece	Xios				Westfalia, Συλεοσ, Ακμα, Milkline, Γεωργουλοπουλος, De Laval, Manonak	Volume/Yes	
2011	Greece	Xiou				Westfalia, Συλεοσ, Ακμα, Milkline, Γεωργουλοπουλος, De Laval, Manonak	Volume/Yes	

Table 5 - Milk recording equipment used in case of machine milking (Years 2010 and 2011)

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
2011	Portugal	Saloia		Volume Sampler (Yes)				
2011	Portugal	Serra da Estrela		Volume Sampler (Yes)				
2010	Slovak republic	All breeds	Fisher Slovakia	Volume	20	Berango, Milkovis	Volume, Sampler No	Berango 210, Milkovis 144
2011	Slovak republic	All breeds	Fisher Slovakia	Volume	37	Berango, Milkovis	Volume, Sampler No	Berango 199, Milkovis 143
2010	Slovenia	All milk breeds		Volume/Yes	2	True test, Girotech	Weight/Yes	45
2011	Slovenia	All milk breeds recorded		Volume/Yes	2	True test, Girotech	Weight/Yes	45
2011	Spain	Canaria				Berango, Philips	Berango (volume/yes). Philips (weight/yes)	Berango (17), Philips (6)
2010	Spain	Carranzana				MIBO	Volume Sampler Yes	50
2011	Spain	Carranzana				MIBO	Volume Sampler Yes	50
2011	Spain	Castellana				Industrias Berango S.L., marca Esneider	Volume 470	
2010	Spain	Churra				Berango	Volume/Yes	150
2011	Spain	Churra				Berango	Volume. Sampler Yes	150
2011	Spain	Colmenareña				Alfa Laval	Weight	12
2010	Spain	Lacaune				De Laval, Westfalia, Sae Afikim	Weight; Sampler (Yes)	572
2011	Spain	Lacaune				Berango, Trutest, Delaval, Westfalia, Afikim	Weight/Sampler	Berango (470), Trutest (72), Delaval (380), Westfalia (144), Afikim (48)
2010	Spain	Latxa Cara Negra				MIBO	Weight; Sampler (Yes)	216
2011	Spain	Latxa Cara Negra				MIBO	Weight; Sampler (Yes)	116
2010	Spain	Latxa Cara Rubia				MIBO	Weight; Sampler (Yes)	166
2011	Spain	Latxa Cara Rubia				MIBO	Weight; Sampler (Yes)	166

**Table 5 - Milk recording equipment used in case of machine milking (Years 2010 and 2011)**

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
2010	Spain	Manchega		Volume Sampler (Yes)		De Laval, Westfalia, Flaco	Volume, Electronic Devices. Sampler (Yes)	900
2011	Spain	Manchega		Volume. Yes		De laval. Westfalia	Volume/electronic. Yes	948
2010	Spain	Merina de Grazalema				Milk Meters (no label) 4 Kg	Weight; Sampler (Yes)	8
2011	Spain	Merina de Grazalema				Unknown	Volume/Sampler (Yes)	8

Table 6 - Breeding program using artificial insemination (Years 2010 and 2011)

Year	Country	Breed or population	AI		Progeny test		
			Fresh semen	Frozen semen	Selection criteria	AI progeny-tested rams per year	Number of AI per progeny-tested ram
2010-2011	Belgium (Wallonia Region)	None					
2010	Croatia ¹						
2011	Croatia ¹						
2011	France	Basco-Béarnaise	15,018	No	Milk yield and fat and protein	50	
2011	France	Corse	6,853	No	Milk yield	31	
2011	France	Lacaune	406,027	No	Milk yield and fat and protein and SCC and udder score	531	
2011	France	Manech Tête Noire	7,979	No	Milk yield, fat and protein	30	
2011	France	Manech Tête Rousse	61,181	No	Milk yield, fat and protein	150	
2010	Italy ²	Sarda	10,500	0			
2011	Italy ²	Sarda	9,000				
2011	Portugal	Salvia	Yes	Yes			
2010	Slovenia ³		No	No	No	No	No
2011	Slovenia		No	No	No	No	No
2011	Spain	Canaria	No	No			
2010	Spain	Carranzana	197		Milk production, fat, protein, lactose, SCS, TSE resistance, udder score	0	120
2011	Spain	Carranzana	197		Morphology, milk composition, udder score	0	
2011	Spain	Castellana	766		Milk production	4	150
2010	Spain	Churra	10,168	2,268	Milk production, fat, protein, lactose, TSE resistance, udder score	51	170
2011	Spain	Churra	8,228	1,747	Milk production, fat, protein, lactose, SCS, TSE resistance, udder score	50	170
2010	Spain	Lacaune	2,762				
2011	Spain	Lacaune	4,692				
2010	Spain	Lacha Cara Negra	14,828		Milk production, fat, protein, lactose, SCS, TSE resistance, udder score	50	120
2011	Spain	Latxa Cara Negra	14,828		Morphology, milk composition, udder score	42	240
2010	Spain	Latxa Cara Rubia	11,284		Milk production, fat, protein, lactose, SCS, TSE resistance, udder score	35	120
2011	Spain	Latxa Cara Rubia	11,284		Morphology, milk composition, udder score	33	120

¹ Data not available² Not available if fresh or frozen semen³ AI is not used in Slovenia

**Table 6 - Breeding program using artificial insemination (Years 2010 and 2011)**

Year	Country	Breed or population	AI		Progeny test		
			Fresh semen	Frozen semen	Selection criteria	AI progeny-tested rams per year	Number of AI per progeny-tested ram
2010	Spain	Manchega	35,357		Milk production 120d., TSE resistance, udder score	200	200-250
2011	Spain	Manchega	33,195		Milk production 120d., TSE resistance, udder score	232	200-250
2011	Spain ⁴	Merina de Grazalema					

⁴ AI is not used yet in Merina de Grazalema

Table 7 - Molecular information (Years 2010 and 2011)

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
2010	Belgium (Wallonia Region) ¹	Sheep (all breeds)	Filiation tests			0
2010	Belgium (Wallonia Region)	Sheep (all breeds)	PrP	220 heads		220 heads
2010	Croatia					
2011	Croatia					
2010	Czech Republic	All breeds	PrP			Yes
2011	Czech Republic	All breeds	PrP			Yes
2011	France	All breeds	Filiation tests	1,047 animals (all rams progeny-tested and some ewes)		Yes
2011	France	Basco-Béarnaise	PrP	2,626		Yes
2011	France	Corse	PrP	3,348		Yes
2011	France	Lacaune	PrP	6,697		Yes
2011	France	Manech Tête Noire	PrP	1,047		Yes
2011	France	Manech Tête Rousse	PrP	7,709		Yes
2010	Italy	All	PrP	19,217 analyses		Yes
2011	Italy	All	PrP	17,969 analyses		Yes
2011	Portugal	Salvia	Filiation tests (9 markers)	FT 630/20	No	Yes
2010	Slovak republic	All breeds	PrP genotyping	2,176 analysis		Yes
2011	Slovak republic	All breeds	PrP genotyping	2,470 analysis	-	Yes
2010	Slovenia	All breeds	PrP genotyping	2,583 analyses, 176 flocks		Yes
2011	Slovenia	All breeds recorded	PrP genotyping	2,135 analyses, 287 flocks		Yes
2011	Spain	Canaria	None	0	No	No
2010	Spain	Carranzana	Filiation tests (9 markers), PrRP genotyping	Filiation test: 10/4; PnRP: 918/15	No	Yes
2011	Spain	Carranzana	Filiation test; PnRP	Filiation test: 4/2; PnRP: 35/2	No	Yes
2011	Spain	Castellana	Filiation test; PnRP	Filiations: 274 , (85 males/185 females- 17 markers); PnRP (4924/33)	No	Yes
2010	Spain	Churra	Gen PnRP	32031/175	No	Yes
2011	Spain	Churra	PnRP	2156/286	No	Yes
2011	Spain	Colmenareña	Filiation	1471/13	No	Yes
2010	Spain	Lacaune	PrNP	19000	No	Yes

¹ Samples have been collected but none were analyzed



Table 7 - Molecular information (Years 2010 and 2011)

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
2010	Spain	Latxa Cara Negra	Filiation tests (9 markers), PrRP genotyping	FILIATION test: 99/40; PnRP: 13248/136	No	Yes
2011	Spain	Latxa Cara Negra	Filiation test; PnRP	Filiation test(89 in 44 flocks); PnRP (4,892 in 87 flocks)	No	Yes
2010	Spain	Latxa Cara Rubia	Filiation tests (9 markers), PrRP genotyping	Filiation test: 76/21; PnRP: 9315/83	No	Yes
2011	Spain	Latxa Cara Rubia	Filiation test; PnRP	Filiation test: 99/20; PnRP: 6230/77		Yes
2010	Spain	Manchega	Filiation test 19 markers; PRP	Filiation test: 13,500/91; PRP: 48,906/141		Yes
2011	Spain	Manchega	Filiation tests (19 markers), PrRP genotyping	Filiation test: 11,925/93; PnRP: 19363/112		Yes
2010	Spain	Merina de Grazalema	PRP genotyping, filiation test (11 markers)	Filiation test: 799/34; PnRP: 926/34		Yes, (by culling VRQ males); filiation test
2011	Spain	Merina de Grazalema	PnRP/filiation test	filiation test (1,033/34) PnRP (908/34),		Yes, only by culling VRQ rams (PnRP), filiation test
2011	Spain	Rubia del Molar	Identification; filiation	Identification/592; Filiation/162	No	Yes