

Results for the years 2012 - 2013



**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 2012 and 2013)

Country	Breed or population (Name)	Year	Size of the population (Estimation)		Recorded population		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			
			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	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
Belgium (wallonia region) ¹	Dairy sheep (all breeds together)	2012	14	1.500	0	0											
Belgium (wallonia region) ¹	Dairy sheep (all breeds together)	2013	14	1.500	0	0											
Canada		2012			2	558											
Canada		2013			8	1.485											
Croatia	East frisian	2012	50	2.000	10	492	-	100% AT	-	-	-	58	2	-	-	-	-
Croatia	Paska sheep	2012	600	30.000	53	4.630	-	100% AT	-	-	-	36	2	-	-	-	-
Croatia	East frisian	2013	50		8	348											
Croatia	East frisian	2013	50	2.000	8	348	-	100% AT	-	-	-	68	2	-	-	-	-
Croatia	Istrian sheep	2012	38	2.515	38	2.515	-	100% AT	-	-	-	56	2	-	-	-	-
Croatia	Istrian sheep	2013	38	2.871	35	2.871	-	100% AT	-	-	-	55	2	-	-	-	-
Croatia	Paska sheep	2013	600	30.000	53	5.135	-	100% AT	-	-	-	35	2	-	-	-	-
Czech republic	All breeds	2012			31	988							1, 2				
Czech republic	All breeds	2013			30	1.669											
Czech republic	Bohemian forest sheep	2013			1	3											
Czech republic	Cross breeds	2012			1	1											
Czech republic	Cross breeds	2013			6	572											
Czech republic	Cross breeds (east frisian x hampshire)	2012			1	7											
Czech republic	East frisian	2012			23	718											
Czech republic	East frisian	2013			19	825											
Czech republic	Lacaune	2012			5	256											

¹ Detailed information on demand

Table 1 - Basic information on population, recording methods and percentages (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Size of the population (Estimation)		Recorded population		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				
			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	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	Recorded population (Estimation)	
Czech republic	Lacaune	2013			4	265												
Czech republic	Tsigai	2012			1	6												
France	Basco-béarnaise	2012	400	75.000	80	23.839			AC 100%			2	35	100%	400	75.000	31	7.507
France	Basco-béarnaise	2013	400	78.000	83	24.386			AC 100%			2	35	95%	400	78.000	27	6.757
France	Corse	2012	375	85.000	56	15.825			AC 100%			2	35	95%	375	85.000	43	12.060
France	Corse	2013	375	83.000	54	15.944			AC 100%			2	35	95%	375	83.000	47	12.017
France	Lacaune	2012	2.400	885.000	367	169.619			AC 100%			2	25	100%	2.400	885.000	1.191	491.597
France	Lacaune	2013	2.500	890.000	366	172.462			AC 100%			2	25	100%	2.500	890.000	1.175	490.865
France	Manech tête noire	2012	480	85.000	45	12.861			AC 100%			2	35	100%	480	85.000	5	1.210
France	Manech tête noire	2013	480	80.000	41	12.438			AC 100%			2	35	95%	480	80.000	35	9.045
France	Manech tête rousse	2012	1.300	265.000	215	79.989			AC 100%			2	35	100%	1.300	265.000	57	16.196
France	Manech tête rousse	2013	1.300	274.000	216	80.260			AC 100%			2	35	98%	1.300	274.000	58	17.776
Germany	Lacaune	2012	1	116	1	74						(1)		100				
Germany	Lacaune	2013	2	258	2	170						(1)		100				
Germany	Ostfriesisches milchschafes	2012	144	2.020	17	468						(1) 84% (2) 16%	50-70	47				
Germany	Ostfriesisches milchschafes	2013	135	2.163	27	496						(1) 85% (2) 15%	50-70	54				
Greece	Agrinio	2012	5	749	5	749			100% A4			2	54					
Greece	Agrinio	2013	5	894	5	894			100% A4			2	54					
Greece	Florinas-pelagionias	2012	3	541														
Greece	Florinas-pelagionias	2013	645	57.500	74	10.304			100% A4			2	42-47	74,26%				
Greece	Frizarta	2013	645	57.500	74	10.729			100% A4			2	42-47	63,51%				
Greece	Glossas skopelou	2012	19	4.292	19	4.292												
Greece	Glossas skopelou	2013	18	3.404	18	3.404												
Greece	Kalaritiki	2012	27	7.434	7	1.202			100% A4			2	42					
Greece	Kalaritiki	2013	24	6.434	24	6.434			100% A4			2	42					
Greece	Karagouniki	2012	2.600	180.000	60	5.442			100% A4			2	45-65	23,70%				

Table 1 - Basic information on population, recording methods and percentages (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Size of the population (Estimation)		Recorded population		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		
			Number of flocks	Number of ewes	Number of flocks	Number of ewes	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	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
Greece	Karagouniki	2013	2,400	160,000	59	5,343					2	40-60	16,95%			
Greece	Karistou	2012	450	60,000												
Greece	Karistou	2013	450	60,000												
Greece	Katsika	2012	5	1,578	5	1,578	100% A4				2	42				
Greece	Katsika	2013	5	1,578	5	1,578	100% A4				2	42				
Greece	Kefalimias	2012	300	32,000												
Greece	Kefalimias	2013	300	32,000												
Greece	Kimis	2012	10	855	10	855										
Greece	Kimis	2013	10	858	10	858										
Greece	Lesvou	2012	1,650	254,000	136	29,583	100% A4				2	49	20,40%			
Greece	Lesvou	2013	1,650	254,000	137	30,282	100% A4				2	49	5,10%			
Greece	Pilioritiki or piliou	2012	26	2,815	26	2,815										
Greece	Pilioritiki or piliou	2013	26	2,904	26	2,904										
Greece	Sarakatsani ko	2013	7	2,255	6	1,974										
Greece	Sarakatsani ko	2012	8	2,204	2	50	100% A4									
Greece	Serron	2012	35	5,992	28	4,373						40-50	14,29%			
Greece	Serron	2013	30	4,500	16	2,381										
Greece	Sfakion	2012	480	58,000	37	4,798	100% A4				2	49				
Greece	Sfakion	2013	480	58,000												
Greece	Xios	2012	346	88,337	66	18,285	100% A4									
Greece	Xios	2013	140	35,800	66	17,209	100% A4				2	40-50	100%			
Greece	Zakynthou	2012	10	1,031	10	1,031						2	42	100%		
Greece	Zakynthou	2013	10	997	10	997					2	52				
Italy ²	Altamura	2013			11	316		AT	AC		2	30				
Italy ²	Assaf	2013			7	788		AT	AC		2	30				
Italy ²	Barabresca	2012			15	686		AT	AC		2	30				
Italy ²	Barabresca	2013			10	601		AT	AC		2	30				
Italy ²	Brigasca	2012			4	718		AT	AC		2	30				
Italy ²	Comisana	2012			509	33,355		AT	AC		2	30				
Italy ²	Comisana	2013			448	28,772		AT	AC		2	30				
Italy ²	Delle langhe	2012			58	2,627		AT	AC		2	30				
Italy ²	Delle langhe	2013			52	2,539		AT	AC		2	30				
Italy ²	Lacaune	2012			8	1,457		AT	AC		2	30				
Italy ²	Lacaune	2013			12	1,745		AT	AC		2	30				

² Size of population=herdbook flocks and ewes

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			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) AC	Percentage of AT, BT, CT (precise if necessary) AT	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	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
Italy ²	Massese	2012			77	6,873											
Italy ²	Massese	2013			79	7,389		AT	AC				2	30			
Italy ²	Moscia leccese	2012			11	505		AT	AC				2	30			
Italy ²	Moscia leccese	2013			16	893		AT	AC								
Italy ²	Nera di arbus	2012	19	916				AT	AC				2	30			
Italy ²	Nera di arbus	2013			23	1,070		AT	AC				2	30			
Italy ²	Pinzirita	2012			226	22,959			ac	AT			2	30			
Italy ²	Pinzirita	2013			192	16,270		AT	AC								
Italy ²	Sarda	2012			1025	228,853		AT	AC				2	30			
Italy ²	Sarda	2013			1026	220,268		AT	AC				2	30			
Italy ²	Valle del belice	2012			1066	151,818											
Italy ²	Valle del belice	2013			929	118,959		AT	AC				2	30			
Slovak Re.	East friesian	2012			6	23			100% AC				2	49			
Slovak Re.	East friesian	2013			9	41			100% AC				2	46			
Slovak Re.	Hybrids	2012			13	1,542			100% AC				2	52			
Slovak Re.	Hybrids	2013			13	1,665			100% AC				2	36			
Slovak Re.	Improved valachian	2012			30	4,349			100% AC				2	47			
Slovak Re.	Improved valachian	2013			25	4,378			100% AC				2	42			
Slovak Re.	Lacaune	2012			16	677			100% AC				2	50			
Slovak Re.	Lacaune	2013			17	779			100% AC				2	46			
Slovak Re.	Tsigai	2012			29	3,567			100% AC				2	49			
Slovak Re.	Tsigai	2013			28	3,443			100% AC				2	47			
Slovak Re.	Valachian	2012			2	16			100% AC				2	62			
Slovenia	Bovec sheep	2012	75	3,500	26	2,794		100					1 and 2	37			
Slovenia	Improved bovec sheep	2012	25	1,100	12	807		100					1 and 2	33			
Slovenia	Istrian pramenka	2012	15	1,150	3	906		100					1 and 2	60			

Table 1 - Basic information on population, recording methods and percentages (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Size of the population (Estimation)		Recorded population		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			
			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	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
Spain	Assaf	2012	138.505	134	84.730											
Spain	Assaf	2013		118	74.614	A4 2%	AT4 97%			1) milking from lambing (60%), 2) milking after a suckling period (40%)	20					
Spain	Canaria	2012		18	384					1) milking from lambing (25%), 2) milking after a suckling period (75%)	50					
Spain	Canaria	2013		8	256	A4 100%										
Spain	Carranzana	2012	21.377	11	2.553		AT4 100%			1) milking from lambing (60%), 2) milking after a suckling period (40%)	30 D.					
Spain	Carranzana	2013		10	1.421		AT4 100%				30					
Spain	Castellana	2012	24.179	10	7.120		AT4 100%			1) milking from lambing (60%), 2) milking after a suckling period (40%)	30					
Spain	Castellana	2013	29.017	8	7.550		AT4 100%				30					
Spain	Churra	2012	412.000	82	41.536		AT4 100%			1) milking from lambing (60%), 2) milking after a suckling period (40%)	25	98%				
Spain	Churra	2013	400.000	68	41.839		AT4 100%				25	98%				

Table 1 - Basic information on population, recording methods and percentages (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Size of the population (Estimation)		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					
			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	Average length of the suckling period (in days)	Percentage of official recorded flocks in machine milking	Size of the population (Estimates)	Number of flocks	Number of ewes ⁵	Number of flocks	Number of ewes	
Spain	Colmenareñ a	2013															
Spain	Lacaune	2012	97.148	3.100													
Spain	Lacaune	2013	81.628	3													
Spain ³	Latxa	2012	472.574	190	AT4 20%	AT4 70%	AC4 10%										
Spain	Latxa	2013		182	AT4 43%	AT4 40%	AC4 60	AC4 57%									
Spain	Manchega	2012	554.205	148	AT4 100%												
Spain	Manchega	2013	520.225	133	AT4 100%												
Spain	Menorquina	2013		3													

³ Data concern to Black Face Latxa and Blonde Face Latxa

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Country	Breed or population (Name)	Size of the population (Estimation)		Recorded population		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			
		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	Average length of the suckling period (in days)	Percentage of official recorded flocks in machine milking	Size of the population (Estimates)	Recorded population (Estimation)
Spain	Merino de grazalema	35	4.988	8	1.409					1) Milking from lambing 2) Milking after a suckling period	55	75%		
Spain	Merino de Grazalema	36	5.097	9	1.266		AT4 100%			1) milking from lambing (5%), 2) milking after a suckling period (95%)	55	75%		

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2012 and 2013)

Country	Breed or population (Name)	Year	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
Croatia	Istrian sheep	2012	Yes	Yes	No	No	No	No	133	148,55	145,06
Croatia	Paska sheep	2012	Yes	Yes	No	No	No	No	78,63	104,41	101,84
Croatia	East friesian	2012	Yes	Yes	No	No	No	No	141,72	144,03	142,70
Croatia	East friesian	2013	Yes	Yes	No	No	No	No	99,49	136,90	122,48
Croatia	Istrian sheep	2013	Yes	Yes	No	No	No	No	131,63	141,76	145,06
Croatia	Paska sheep	2013	Yes	Yes	No	No	No	No	78,71	101,42	100,74
Czech republic	All breeds	2012									426
Czech republic	All breeds	2013									218
France	Basco-béarnaise	2012	No	Yes	No	No	No	No	131 liters (103 days)	181 liters (154 days)	172 liters (145 days)
France	Basco-béarnaise	2012	No	Yes	No	No	No	No	131 liters (103 days)	181 liters (154 days)	172 liters (145 days)
France	Basco-béarnaise	2013	No	Yes	No	No	No	No	136 l (103 d)	194 l (158 d)	183 l (148 d)
France	Basco-béarnaise	2013	No	Yes	No	No	No	No	136 l (103 d)	194 l (158 d)	183 l (148 d)
France	Corse	2012	No	Yes	No	No	No	No	91 liters (127 days)	152 liters (196 days)	141 liters (185 days)
France	Corse	2012	No	Yes	No	No	No	No	91 liters (127 days)	152 liters (196 days)	141 liters (185 days)
France	Corse	2013	No	Yes	No	No	No	No	89 l (131 d)	147 l (197 d)	137 l (185 d)
France	Corse	2013	No	Yes	No	No	No	No	89 l (131 d)	147 l (197 d)	137 l (185 d)
France	Lacaune	2012	No	Yes	No	No	No	No	243 liters (146 days)	317 liters (172 days)	298 liters (166 days)
France	Lacaune	2012	No	Yes	No	No	No	No	243 liters (146 days)	317 liters (172 days)	298 liters (166 days)
France	Lacaune	2013	No	Yes	No	No	No	No	237 l (149 d)	306 l (174 d)	289 l (167 d)
France	Lacaune	2013	No	Yes	No	No	No	No	237 l (149 d)	306 l (174 d)	289 l (167 d)
France	Manech tête noire	2012	No	Yes	No	No	No	No	104 liters (105 days)	149 liters (146 days)	145 liters (142 days)
France	Manech tête noire	2013	No	Yes	No	No	No	No	104 l (105 d)	155 l (146 d)	151 l (143 d)

Table 2 - Milk yield: type of lactation calculation (quantity of milk) + Milk yield: results (quantity of milk) (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Lactation calculation			TMM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)	Production of reference (for lactation)		Average milk yield per recorded ewe (length)	
			TSM (Yes/No)	TMM (Yes/No)	TMY (Yes/No)				TSM (Yes/No)	TMY (Yes/No) if yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)
France	Manech tête rousse	2012	No	Yes	No	No	No	No	No	174 liters (142 days)	208 liters (164 days)	203 liters (161 days)
France	Manech tête rousse	2013	No	Yes	No	No	No	No	No	175 l (140 d)	215 l (163 d)	209 l (159 d)
Germany	Lacaune	2012			Yes	Yes	Yes	Yes 150 d				333 kg
Germany	Lacaune	2013			Yes	Yes	Yes	Yes 150 d				320 kg
Germany	Ostfriesisches milchschaf	2012		16%	84%		Yes 150d	Yes 150 d				229 kg
Germany	Ostfriesisches milchschaf	2013		15%	85%		Yes 150d	Yes 150 d				245 kg
Greece	Agriniou	2012		Yes			176,89±40,27			210	539	146,51±45,66
Greece	Agriniou	2013		Yes			181,47±43,33			157	737	181,40±66,12
Greece	Frizarta	2012		Yes			184,85±41,90			1916	8388	253,48±76,15
Greece	Frizarta	2013		Yes			176,63±46,05			1890	8839	234,42±68,40
Greece	Kalaritiki	2012		Yes			169±14			300	902	124,95±33,89
Greece	Kalaritiki	2013		Yes			162,98±18,06			300	902	123,03±28,75
Greece	Karagouniki	2012		Yes			145±22,40			1074	4368	147±26,30
Greece	Karagouniki	2013		Yes			131±31,56			1015	4328	143±45,63
Greece	Katsika	2012		Yes			169±16			395	1183	129,07±31,74
Greece	Katsika	2013		Yes			169,87±20,74			395	1183	129,09±30,72
Greece	Kimis	2012								21	834	
Greece	Kimis	2013								63	795	
Greece	Lesvou	2012		Yes			177,54±30,31			1026	28557	156,33±56,24
Greece	Lesvou	2013		Yes			168,45±33,36			4025	26257	156,71±52,12
Greece	Serron	2013		Yes						650	1731	
Greece	Sfakion	2012		Yes			201,50±11,38			573	4225	143,03±14,73
Greece	Xios	2012		Yes			187±36,90			1662	16219	306,76±88,81
Greece	Xios	2013		Yes			186±38,40			2712	13997	303,39±93,75
Greece	Zakynthou	2012								29	1002	
Greece	Zakynthou	2013		Yes						75	922	
Italy ¹	Assaf	2013	Yes	Yes	No	No	from day 30 from lambing to reference length	No		181	338	292

¹ Yields 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) (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Lactation calculation			TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No) if TMY (Yes/No) if yes, standard length (days)	Average milk yield per recorded ewe (length)		
			TSM (Yes/No)	TMY (Yes/No)	TSM (Yes/No)							Yearlings (12-18 months)	Adults (> 18 months)	All ewes
Italy ¹	Barbaresca	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	76	146	144			
Italy ¹	Brigasca	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	59	112	111			
Italy ¹	Brigasca	2013	Yes	No	Yes	No	No	from day 30 from lambing to reference length	66	102	101			
Italy	Comisana	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	98	167	164			
Italy	Comisana	2013	Yes	No	Yes	No	No	from day 30 from lambing to reference length	100	162	159			
Italy ²	Delle langhe	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	101	149	144			
Italy ²	Delle langhe	2013	Yes	No	Yes	No	No	from day 30 from lambing to reference length	108	136	131			
Italy ²	Lacaune	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	161	229	223			
Italy ²	Lacaune	2013	Yes	No	Yes	No	No	from day 30 from lambing to reference length	226	239	236			
Italy ²	Massese	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	119	131	129			
Italy ²	Nera di arbus	2012	Yes	No	Yes	No	No	From day 30 from lambing to reference length	106	183	166			
Italy ²	Nera di arbus	2013	Yes	No	Yes	No	No	from day 30 from lambing to reference length	115	183	173			

² Yields 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) (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Lactation calculation			TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No)	TMM (Yes/No)	Production of reference (for lactation) TMY (Yes/No) if yes, standard length (days)	Production of reference (for lactation) TMY (Yes/No) if yes, standard length (days)	Average milk yield per recorded ewe (length)	
			TSMM (Yes/No)	TMY (Yes/No)	TSMM (Yes/No)							Yearlings (12-18 months)	Adults (> 18 months)
Italy ²	Pinzirta	2013	Yes	No	No	Yes	No	No	No	No	86	118	118
Italy ²	Sarda	2012	Yes	No	No	Yes	No	No	From day 30 from lambing to reference length	From day 30 from lambing to reference length	141	212	204
Italy ²	Sarda	2013	Yes	No	No	Yes	No	No	No	No	141	209	201
Italy ³	Valle del belice	2012	Yes	No	No	Yes	No	No	No	No	104	188	183
Italy	Valle del belice	2013	Yes	No	No	Yes	No	No	No	No	116	167	163
Slovak Rep.	East friesland	2012	No	No	No	Yes	No	No	No	No			225,5
Slovak Rep.	East friesland	2013	No	No	No	Yes	No	No	No	No			207,6
Slovak Rep.	Hybrids	2012	No	No	No	Yes	No	No	No	No			173,2
Slovak Rep.	Hybrids	2013	No	No	No	Yes	No	No	No	No			170,1
Slovak Rep.	Improved Valachian	2012	No	No	No	Yes	No	No	No	No			115,1
Slovak Rep.	Improved Valachian	2013	No	No	No	Yes	No	No	No	No			119,8
Slovak Rep.	Lacaune	2012	No	No	No	Yes	No	No	No	No			203,3
Slovak Rep.	Lacaune	2013	No	No	No	Yes	No	No	No	No			211,7
Slovak Rep.	Tsigai	2012	No	No	No	Yes	No	No	No	No			101,9
Slovak Rep.	Tsigai	2013	No	No	No	Yes	No	No	No	No			105,2

³ Yields 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) (Years 2012 and 2013)

Country	Breed or population (Name)	Year	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)	TMY (Yes/No) If yes, standard length (days)	Yearlings (12-18 months)	Adults (> 18 months)
Slovenia	Bovec sheep	2012	Yes	Yes	Yes	No	No		All ewes TSM 200 kg, TMM 148 kg, suckled 52 kg, lactation length 198 days
Slovenia	Improved bovec sheep	2012	Yes	Yes	Yes	No	No		TSM 272 kg, TMM 215 kg, suckled 57 kg, lactation length 212 days
Slovenia	Istrian pramenka	2012	Yes	Yes	Yes	No	No		TSM 168 kg, TMM 112 kg, suckled 55 kg, lactation length 205 days
Spain	Canaria	2012						68,65 Kg	139,11
Spain	Latxa	2012	Yes	Yes		Yes		160 Kg	215 Kg
Spain	Manchega	2012	Yes	Yes	No	Yes (120 days)	No	180	200

Table 3 - Optional tests for milk composition (Years 2012 and 2013)

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	Milk analysis in laboratory		
		Year			Fat content (Yes/No)	Protein content (Yes/No)	Somatic Cells Counts (Yes/No)
Croatia	East Friesian	2012	334	AT	Fat content (Yes) 6,74 %, Protein content (Yes) 5,30 %, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)		
Croatia	East Friesian	2013	362	AT	Fat content (Yes) 6,56 %, Protein content (Yes) 5,54 %, Lactose(Yes) 4,31 % Somatic Cells Counts (Yes)		
Croatia	Istrian sheep	2012	1627	AT	Fat content (Yes) 6,89 %, Protein content (Yes) 5,81 %, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)		
Croatia	Istrian sheep	2013	1140	AT	Fat content (Yes) 7,18 %, Protein content (Yes) 5,90 %, Lactose(Yes) 4,24 % Somatic Cells Counts (Yes)		
Croatia	Paska sheep	2012	2631	AT	Fat content (Yes) 7,37 %, Protein content (Yes) 5,87 %, Lactose(Yes) 4,50%, Somatic Cells Counts (Yes)		
Croatia	Paska sheep	2013	2605	AT	Fat content (Yes) 7,45 %, Protein content (Yes) 5,86 %, Lactose(Yes) 4,47, Somatic Cells Counts (Yes)		
Czech Republic	All breeds	2012		AT, E	Fat, Protein, SC, Lactose		
Czech Republic	All breeds	2013		AT	Fat, Protein, SC, Lactose		
France	Basco-Béarnaise, Manech Tête Noire, Manech Tête Rousse	2012	parity 1 (19,481)	part-lactation sampling	Fat, Protein, SCC		
France	Basco-Béarnaise, Manech Tête Noire, Manech Tête Rousse	2013	parity 1 (21,706)	part-lactation sampling	Fat, Protein, SCC		
France	Lacaune	2012	parities 1 & 2 (64,538)	part-lactation sampling	Fat, Protein, SCC		
France	Lacaune	2013	parities 1 & 2 (74,849)	part-lactation sampling	Fat, Protein, SCC		
Germany	Lacaune	2012	74	B4	Fat-, Protein-, Lactosecontent, Somatic Cells, Urea		
Germany	Lacaune	2013	170	B4	Fat-, Protein-, Lactosecontent, Somatic Cells, Urea		
Germany	Ostfriesisches Milchschaaf	2012	302	A4, B4, E4	Fat-, Protein-, Lactosecontent, Somatic Cells, Urea		
Germany	Ostfriesisches Milchschaaf	2013	696	A4, B4, E4	Fat-, Protein-, Lactosecontent, Somatic Cells, Urea		
Italy ¹	Sarda	2012	Primiparous (22257 lactations)	Fat -Protein	Fat -Protein		
Italy ¹	Sarda	2013	Primiparous (20584)				
Slovak republic	East Friesian	2012	Parity 1 to 3, 23 ewes	AC	Fat content Yes, Protein content Yes,Somatic Cells No , Other analysis (Lactose)		
Slovak republic	East Friesian	2013	Parity 1 to 3, 41 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)		
Slovak republic	Hybrids	2012	Parity 1 to 3, 1 542 ewes	AC	Fat content Yes, Protein content Yes, Somatic Cells No, Other analysis (Lactose)		
Slovak republic	Hybrids	2013	Parity 1 to 3, 1 665 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 (Years 2012 and 2013)

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	Milk analysis in laboratory		
		Year			Fat content (Yes/No)	Protein content (Yes/No)	Somatic Cells Counts (Yes/No)
Slovak republic	Improved valachian	2012	Parity 1 to 3, 4 349 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No , Other	
Slovak republic	Improved valachian	2013	Parity 1 to 3, 4 378 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No, Other	
Slovak republic	Lacaune	2012	Parity 1 to 3, 677 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No , Other	
Slovak republic	Lacaune	2013	Parity 1 to 3, 779 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No , Other	
Slovak republic	Tsigai	2012	Parity 1 to 3, 3 567 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No , Other	
Slovak republic	Tsigai	2013	Parity 1 to 3, 3 443 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes, Somatic Cells No, Other	
Slovak republic	Valachian	2012	Parity 1 to 3, 16 ewes	AC	Fat content Yes, Protein content analysis (Lactose)	Yes,Somatic Cells No , Other	
Slovenia	All milk breeds	2012	All milk ewes under control	AT	Fat content (Yes), Protein content Cell Count (Yes)	(Yes), Lactose (Yes), Somatic	
Spain ²	Latxa	2012		AC4, AT4	Fat, Protein, Lactose, Dry Matter, SCS		
Spain	Manchega	2012		AT4	Fat, Protein, Dry Matter, SCS		

² Laboratory Accredited By ENAC (174/Le 381), fat, protein, lactose, dry matter en % weight SCS/1000ml

Table 4 - Recording of non-milking traits (Years 2012 and 2013)

Country	Breed or population	Year	Traits	Reproductive traits, weights and growths, udder score, longevity	On-farm recording (Yes/No)	Breeding evaluation (Yes/No)	Use in selection (Yes/No)
Belgium (Wallonia Region)		2012 and 2013	None				
Croatia	East Friesian	2012	Reproductive traits and birth weight (14 years, number of controlled ewes in 2012:385)		Yes	No	Yes
Croatia	East Friesian	2013	Reproductive traits and birth weight (15 years, number of controlled ewes in 2013:309)		Yes	No	Yes
Croatia	Istrian sheep	2012	Reproductive traits and birth weight (14 years, number of controlled ewes in 2012:1921)		Yes	No	Yes
Croatia	Istrian sheep	2013	Reproductive traits and birth weight (15 years, number of controlled ewes in 2013:2222)		Yes	No	Yes
Croatia	Paska sheep	2012	Reproductive traits and birth weight (14 years, number of controlled ewes in 2012:3910)		Yes	No	Yes
Croatia	Paska sheep	2013	Reproductive traits and birth weight (15 years, number of controlled ewes in 2013:4152)		Yes	No	Yes
Czech Republic	All breeds	2012	Weight, reproductive traits		Yes	Yes	Yes
Czech Republic	All breeds	2013	Weight, reproductive traits		Yes	Yes	Yes
France	All breeds	2012	Reproductive traits, udder score (Lacaune only), longevity		Yes	Udder score (Lacaune only)	Udder score (Lacaune only)
France	All breeds	2013	Reproductive traits, udder score (Lacaune only), longevity, resistance to gastrointestinal strongyles		Yes	Udder score (Lacaune only)	Udder score (Lacaune only)
Italy ¹	All breeds reported in year 2012	2012	Udder score, morphological evaluation		Yes	No	No
Italy ¹	All breeds reported in year 2013	2013	Udder score, morphological evaluation		Yes	No	No
Slovak Rep.	All breeds	2012	Reproductive traits, weight		Yes	Yes	Yes
Slovak Rep.	All breeds	2013	Reproductive traits, weight		Yes	Yes	Yes
Slovenia	All breeds recorded	2012	Litter size and other data on reproductive cycle, daily gain to weaning (on farm), daily gain to puberty (test station)		Yes	No	Yes
Spain	Latxa	2012	Udder score, longevity, prolificity, mortality		Yes	Udder Score (Yes)	

¹ Performed to enroll animals in HerdBooks

Table 5 - Milk recording equipment used in case of machine milking (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Name of the manufacturer	Use of jars		Approximate number in use	Use of milk meters		Approximate number in use
				Measurement (weight/volume) Sampler (yes/no)	Sampler (yes/no)		Name of the manufacturer	Measurement (weight/volume) Sampler (yes/no)	
Croatia	East friesland	2012	"Cartel" Germany	Measurement - Volume, Sampler - No	6				
Croatia	East friesland	2013	"Cartel" Germany	Measurement - Volume, Sampler - No	6				-
Croatia	Istrian sheep	2012	"Cartel" Germany	Measurement - Volume, Sampler - No	13				
Croatia	Istrian sheep	2013	"Cartel" Germany	Measurement - Volume, Sampler - No	13				-
Croatia	Paska sheep	2012	"Cartel" Germany	Measurement - Volume, Sampler - No	15				
Croatia	Paska sheep	2013	"Cartel" Germany	Measurement - Volume, Sampler - No	15				-
France	All breeds	2012	Établissements Gély (Rodez)	Volume - Sampler	3.000				
France	All breeds	2013	Établissements Gély	Volume - Sampler	3.000				
Greece	Frizarta	2012						FLACO, VALKO, NICOLINI, FULLWOOD, FRANCO, ΣΥΛΕΟΣ, OMC, ALBINO, WESTFALIA, STRANGO-ΣΥΛΕΟΣ, AKMA, MILKPLAN, INTERPLUS	Volume/Yes
Greece	Frizarta	2013						FLACO, VALKO, NICOLINI, FULLWOOD, FRANCO, ΣΥΛΕΟΣ, OMC, ALBINO, WESTFALIA, STRANGO-ΣΥΛΕΟΣ, AKMA, MILKPLAN, INTERPLUS	Volume/Yes
Greece	Karagouniki	2012						LAVAL, HECTOR, WESTFALIA	Volume/Yes
Greece	Karagouniki	2013						LAVAL, HECTOR, WESTFALIA	Volume/Yes
Greece	Lesvou	2012						INTERPULS,STRANGKO, WESTFALIA,FULLWOOD	Volume/Yes
Greece	Lesvou	2013						FLACO	Volume/Yes
Greece	Serron	2012						WESTFALIA, DE LAVAL	Volume/Yes
Greece	Xios	2012						WESTFALIA, ΣΥΛΕΟΣ, AKMA, MILKLINE, ΓΕΩΡΓΟΥΛΟΠΟΥΛΟΣ, DE LAVAL, ΜΑΝΟΒΑΚ	Volume/Yes
Greece	Xios	2013						WESTFALIA, ΣΥΛΕΟΣ, AKMA, MILKLINE, ΓΕΩΡΓΟΥΛΟΠΟΥΛΟΣ, DE LAVAL, ΜΑΝΟΒΑΚ	Volume/Yes

Table 5 - Milk recording equipment used in case of machine milking (Years 2012 and 2013)

Country	Breed or population (Name)	Year	Name of the manufacturer	Use of jars		Approximate number in use	Use of milk meters		Approximate number in use
				Measurement (weight/volume) Sampler (yes/no)	Volume		Name of the manufacturer	Measurement (weight/volume) Sampler (yes/no)	
Italy	All breeds	2012	Mibo-Girotech; Royal;	Volume			TRU-TEST MOD. HI ; WAIKATO MK5 4,5 LITERS; AFIFREE; MM25-27	AFIFREE - MM25-27 WEIGHT; WAIKATO VOLUME; ALL HAVE SAMPLER	
Italy	All breeds	2013	Mibo-Girotech; Royal;	Volume			TRU-TEST MOD. HI ; WAIKATO MK5 4,5 LITERS; AFIFREE; MM25-27	AFIFREE - MM25-27 WEIGHT; WAIKATO VOLUME; ALL HAVE SAMPLER	
Slovak Rep.	All breeds	2012	Fisher slovakia	Volume	37		BERANGO, MILKOVIS	Volume, sampler no	Berango 199, milkovis 143
Slovak Rep.	All breeds	2013	Fisher slovakia	Volume	38		BERANGO, MILKOVIS	Volume, sampler no	Berango 189, milkovis 143
Slovenia	All milk breeds recorded	2012		Volume/Yes	2		True test, Girotech	Weight/Yes	45
Spain	Latxa	2012	No	No	No		MIBO	Volume. Sampler Yes	282

Table 6 - Breeding program using artificial insemination (Years 2012 and 2013)

Country	Breed or population (Region)	Year	AI		Selection criteria	AI progeny-tested rams per year	Number of AI per progeny-tested ram
			Fresh semen	Frozen semen			
Belgium (Wallonia Region)	None	2012 and 2013					
Croatia ¹		2012					
Croatia ¹		2013					
France	Basco-Béarnaise	2012	15.408		Milk yield & fat & protein	47	120
France	Basco-Béarnaise	2013	15.355	No	Milk yield & fat & protein	49	
France	Corse	2012	5.876		Milk yield	23	120
France	Corse	2013	6.483	No	Milk yield	13	130
France	Lacaune	2012	400.874		Milk yield & fat & protein & SCC and udder score	432	110
France	Lacaune	2013	399.239	No	Milk yield & fat & protein & SCC and udder score	403	120
France	Manech Tête Noire	2012	7.799		Milk yield and fat and protein	28	120
France	Manech Tête Noire	2013	7.010	No	Milk yield and fat and protein	27	
France	Manech Tête Rousse	2012	62.485		Milk yield and fat and protein	144	120
France	Manech Tête Rousse	2013	61.526	No	Milk yield and fat and protein	150	
Italy ²	All	2012	9.000 (estimated)				
Italy	Sarda	2013	6.000				
Slovenia ¹		2012	No	No	No	No	No

¹ We do not use AI

² Not available as fresh or frozen semen

Table 7 - Molecular information (Years 2012 and 2013)

Country	Breed or population	Year	Type of genotyping ¹	Number of analysis, Number of flocks involved	Use in experimental program	Effective use in selection program
Croatia		2012				
Croatia		2013				
Czech Rep.	All breeds	2012	PrP			Yes
Czech Rep.	All breeds	2013	PrP			Yes
France	All breeds	2012	filiation tests	638		Yes
France	All breeds	2013	filiation tests	870		Yes
France	Basco-Béarnaise	2012	PrP	2.658		Yes
France	Basco-Béarnaise	2013	PrP	1.730		Yes
France	Corse	2012	PrP	3.122		Yes
France	Corse	2013	PrP	2.325		Yes
France	Lacaune	2012	PrP	6.483		Yes
France	Lacaune	2013	PrP	6.032		Yes
France	Manech Tête Noire	2012	PrP	1.162		Yes
France	Manech Tête Noire	2013	PrP	1.144		Yes
France	Manech Tête Rousse	2012	PrP	7.242		Yes
France	Manech Tête Rousse	2013	PrP	3.418		Yes
Italy	All	2013	Scrapie	9.713 analyses		
Slovak Rep.	All breeds	2012	PrP genotyping	1.822 analysis	-	Yes
Slovak Rep.	All breeds	2013	PrP genotyping	6.577	-	Yes
Slovenia	All breeds recorded	2012	Prp genotyping	1.781 analyses, 264 flocks		Yes

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
kindly requested to report them to
cesare mosconi (mosconi@icar.org)**