

Statistic outline of French genetic organisation 2022

Livestock

Species	Total number	% registered	Animals in performance recording	Number of inseminated females
Dairy cows	3 504 000	88 %	2 142 313	(C) 2 266 363 (H) 800 838
Beef cows	3 668 000	55 %	1 008 860	(C) 354 737 (H) 184 183
Dairy sheep*	1 560 000	40 %	907 640	511 633
Meet sheep	3 579 000	8 %	302 834	104 487
Goats	936 000	19 %	411 000	67 534

* Data 2022
Sources : Institut de l'Elevage, Allice, FCEL, ANIO, CNBL, BDN, SSP, Capgènes
C: Cows - H : Heifers

The French genetic organisation for ruminants is characterized by :

- > involvement of a large number of breeders (approximately 57 000) in the selection of the various breeds,
- > very wide bases of selection (registration and performance recording for a great number of animals),
- > an intensive progeny testing of AI males, which is widely taken over by genomic evaluation,
- > a high genetic level,
- > a significant genetic progress in all breeds and species.

Within the framework of a system of Quality Management, the breeders organisations combine their means and skills to provide farmers reliable results to lead the selection of their breeds.

NB: Raw performances being obtained in different environments, direct comparison between breeds should be avoided



Dairy Cattle

Breeds	Total number of cows (2021)	Recorded cows (2021)	Bulls (2021)			AI by bulls species (2021)
			Genotyped (Valogène)	Progeny tested	Marketed after evaluation	
Prim'Holstein	2 207 110	1 323 367	10 502	3	119	2 974 348
Montbéliarde	584 967	392 247	6 271	22	87	636 781
Normande	270 331	154 455	1 825	4	55	381 317
Abondance	42 664	23 460	217	30	21	36 570
Simmental française	25 691	15 556	88	0	11	46 730
Brune	25 436	16 098	170	1	13	49 734
Jersaise	24 838	11 151	0	-	-	41 813
Tarentaise	14 059	8 597	161	32	18	14 729
Pie Rouge	13 151	8 311	152	0	10	37 100

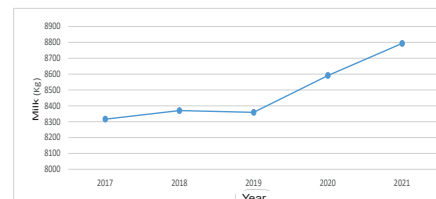
Sources : Institut de l'Elevage, Eliance, Valogène, BDN
AI : insémination

> Milk recording 2021 (305 days lactations adjusted to adult level)

Breeds	Qualified lactations	Lactation length (days)	Milk yield (kg)	Fat (kg)	Fat (%)	Protein yield (kg)	Protein (%)	Crude protéinté (%)
Prim'Holstein	1 323 367	353	9 518	381	40,1	303	31,9	33,5
Montbéliarde	392 247	324	7 832	305	38,9	259	33,1	34,9
Normande	154 455	339	7 028	296	42,1	243	34,5	36,4
Abondance	23 460	305	5 933	215	36,2	195	32,9	34,6
Brune	16 098	353	7 572	317	41,9	259	34,2	36,0
Simmental française	15 556	319	6 948	279	40,2	234	33,7	35,5
Jersaise	11 151	336	5 250	291	55,3	201	38,3	40,3
Tarentaise	8 597	289	4 764	175	36,8	155	32,5	34,2
Pie-Rouge	8 311	343	8 239	351	42,6	275	33,4	35,2
All breeds	2 064 131	344	8 793	352	40,0	284	32,3	34,0

Sources : Institut de l'Elevage, Eliance

Evolution of the average production (305 days lactations adjusted to adult level)



Sources : Institut de l'Elevage, FCEL

Genetic and phenotypic trend (recorded cows)

Breeds	Progres from 2011-2021 (10 years)	Milk (kg)	Fat (%)	Protein (%)
Prim'Holstein	Phenotypic	+ 489	+ 1,0	+ 0,4
	Genetic	+ 490	+ 0,1	+ 0,6
Montbéliarde	Phenotypic	+ 797	+ 0,3	+ 0,7
	Genetic	+ 514	+ 0,1	+ 0,6
Normande	Phenotypic	+ 620	- 0,2	+ 0,2
	Genetic	+ 549	+ 0,2	+ 0,6
Abondance	Phenotypic	+ 419	- 0,8	0
	Genetic	+ 300	- 0,5	- 0,1
Brune	Phenotypic	+ 673	+ 0,2	+ 0,2
	Genetic	+ 503	+ 0,3	+ 0,4
Simmental Française	Phenotypic	+ 584	+ 0,4	+ 0,4
	Genetic	+ 401	+ 0,3	+ 0,6
Jersaise	Phenotypic	+ 196	+ 0,6	+ 0,3
	Genetic	-	-	-
Tarentaise	Phenotypic	+ 280	+ 0,8	+ 0,6
	Genetic	+ 377	+ 0,5	+ 0,2
Pie Rouge*	Phenotypic	+ 679	+ 0,6	+ 0,8
	Genetic	-	-	-

*Pie Rouge and Prim'Holstein species are gathered together in the genetic reports

Beef Cattle

Breeds	Total number of cows (2021)	Recorded cows (2021)	Bulls (2021)			AI	
			Genomic breeding value	Performance tested	Progeny tested	Pure breed	Crossing
Charolaise	1 275 945	355 411	26 346	601	53	312 170	363 180
Limousine	1 061 401	283 272	10 441	792	22	117 273	220 990
Blonde d'Aquitaine	425 656	144 806	3 817	299	20	126 007	27 960
Aubrac	237 011	96 969	-	129	-	17 777	5 179
Salers	209 087	84 043	-	108	-	11 812	4 868
Parthenaise	53 294	28 413	-	92	-	19 589	8 873
Rouge des Prés	29 623	16 539	-	71	-	7 779	1 044
Gasconne des Pyrénées	17 431	9 327	-	82	-	2 238	487
Blanc Bleu	10 162	3 085	-	-	-	7 311	674 124
Bazadaise	3 959	2 579	-	-	-	1 494	3 397
All breeds	3 323 569	1 004 444	40 604	2 174	95	623 450	1 310 102

Sources : Institut de l'Elevage, Eliance, SCEES, BDN

Beef recording

Breeds	Weight 210 days (kg) (calves born during campaign 2021)		Weight 1 year (kg) (calves born during campaign 2018)	
	Males	Females	Males	Females
Charolaise	309	276	501	381
Limousine	294	267	483	370
Blonde d'Aquitaine	304	279	516	393
Aubrac	274	240	419	324
Salers	274	244	433	351
Parthenaise	279	251	489	355
Rouge des Prés	299	278	499	368
Gasconne des Pyrénées	264	233	433	334
Blanc Bleu	278	260	445	382
Bazadaise	252	233	325	324

Sources : Institut de l'Elevage, Eliance

Dairy sheep

Races	Total number of ewes	Recorded ewes	Béliers			AI
			Genotyped	Performance tested	Progeny tested	
Lacaune	1 023 000	706 742	3 776	3 542	309	420 501
Races pyrénéennes						
- Basco-béarnaise	84 000	39 342	247	247	66	17 486
- Manech tête noire	77 000	12 797	109	109	32	5 015
- Manech tête rousse	291 000	115 876	780	780	186	60 578
Corse	85 000	29 144	363	363	20	8 053
All breeds	1 560 000	903 901	5 275	5 041	613	511 633

Data 2021

Sources : Institut de l'Élevage, ANIO, CNBL, SIEOL

Dairy sheep recording 2021 (official milk recording)

Breeds	Number of recorded ewes 2021	Lactation length	Milk yield (liter)
Lacaune	172 494	176	347
Basco-béarnaise	23 750	148	224
Manech tête noire	7 526	149	184
Manech tête rousse	65 664	165	251
Corse	15 842	188	153

Sources : Institut de l'Élevage, ANIO, CNBL, SIEOL

Meat sheep

Breeds	Total number of ewes*	Recorded ewes*	Performance tested rams	Progeny tested rams	AI
Specialized meat breeds	929 400	78 643	1 357	75 (meat)	125 292
Hardy meat breeds	2 331 300	196 266	2 810	50 (meat) 68 (maternal)	106 454
Meat cross-breeds	318 300	26 925	-	-	-
All breeds	3 579 000	302 834	4 167	143	231 746

* Campaign data 2021

Specialized meat breeds : Berrichon du Cher, Charmois, Charollaise, Ile de France, Rouge de l'ouest, Suffolk, Texel, Vendéenne
Hardy meat breeds : Blanc du Massif Central, Causses du Lot, Lacaune, Limousine, Mérinos d'Arles, Noire du Velay, Préalpes du sud, Rava, Romane, Tarasconnaise

Source : Institut de l'Élevage

Results for 10 main breeds 2021

Breeds	Number of lambling	Ewes					
		Prolificity ewes natural oestrus	Prolificity ewes induced oestrus	30 d.Stk weight males simples (kg)	30 d.Stk weight males twins (kg)	70 d.Stk weight males simples (kg)	70 d.Stk weight males twins (kg)
Romane	26 948	2,25	2,19	14,0	11,9	28,3	24,5
Causses du Lot	19 686	1,67	1,81	12,9	10,8	-	-
Blanc Massif Central	19 345	1,60	1,70	13,8	11,9	30,2	26,6
Mérinos d'Arles	13 448	1,26	-	12,3	10,2	-	-
Lacaune Viande	12 420	2,01	2,01	13,4	11,7	27,4	24,6
Ile de France	12 055	1,79	2,06	15,0	12,7	30,2	26,6
Rava	8 442	1,61	-	12,9	10,9	-	-
Mouton Vendéen	7 724	1,77	1,96	14,0	11,3	25,5	21,9
Limousine	7 024	1,40	1,66	12,5	10,4	30,5	27,3
Mouton Charollais	6 772	1,66	1,88	16,2	13,7	30,7	26,6

Source : Institut de l'Élevage

Goats

Breeds	Total number of goats 2021		Male of year (T series)			AI (2022)*
	Recorded	% % filiated	Genotyped	Recorded in Capènes	Published	
Alpine	241 000	41 %	218	92	67	43 742
Saanen	147 000	36 %	154	70	48	23 737
Others	23 000	19 %	2	2	-	45
All breeds	411 000	38 %	374	164	115	67 534

* These figures take into account AI data performed over the period 01/10/2021 to 30/09/2022
 Sources : Institut de l'Élevage, Eliance, Capgènes

Results of goat milk recording 2021

Breeds	Recorded goats	Lactation length (days)	Milk yield (kg)	Fat (kg)	Fat (%)	Protein (kg)	Protein (%)
Alpine	146 854	317	978	37,4	38,3	33,2	34,0
Saanen	80 750	329	1 034	38,0	36,7	34,0	32,9

Sources : Institut de l'Élevage, Eliance

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