

Statistic outline of French genetic organisation 2021

Livestock

Species	Total number	% registered	Animals in performance recording	Number of inseminated females
Dairy cows	3 573 000	87 %	2 247 121	(C) 2 296 452 (H) 847 298
Beef cows	3 773 000	40 %	1 017 903	(C) 359 456 (H) 192 255
Dairy sheep*	1 605 000	54 %	892 156	506 543
Meet sheep	3 797 000	8 %	304 931	108 387
Goats	936 000	19 %	406 400	70 724

* Data 2021
Sources : Institut de l'Elevage, Allice, FCEL, ANIO, CNBL, BDNl, SSP, CAPGENES
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: - Except indications, the figures refer to the calendar year 2021
- Raw performances being obtained in different environments, direct comparison between breeds should be avoided



Dairy Cattle

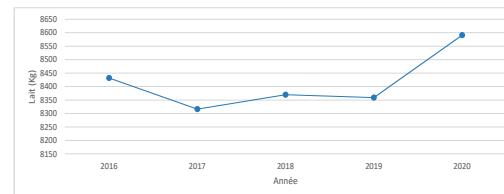
Breeds	Total number of cows (2020)	Recorded cows (2020)	Bulls			AI* by bulls species (2020)
			Génotypé (Valogène)	Progeny tested	Marketed after evaluation	
Prim'Holstein	2 266 812	1 432 267	9 220	2	140	3 180 399
Montbéliarde	593 584	404 093	5 718	31	91	656 446
Normande	282 224	166 515	1 552	4	59	408 602
Abondance	43 395	23 727	186	13	20	37 085
Simmental française	25 723	15 571	66	0	15	47 178
Brune	25 278	16 162	218	1	11	49 272
Pie-Rouge	13 520	8 702	216	0	11	38 723
Tarentaise	13 708	8 672	165	13	18	14 187
Jersiaise	22 807	10 398	41	-	-	41 798

Sources : Institut de l'Elevage, Allice, Valogène, FCEL, BDNl
AI : insémination

> Milk recording 2020 (305 days lactations adjusted to adult level)

Breeds	Qualified lactations	Lactation length (days)	Milk yield (kg)	Fat (kg)	Fat (%)	Protein yield (kg)	Protein (%)	Crude protein (%)
Prim'Holstein	1 432 267	348	9 284	370	39,9	295	31,8	33,5
Montbéliarde	404 093	317	7 604	294	38,7	251	33,0	34,8
Normande	166 515	333	6 845	288	42,1	236	34,5	36,3
Abondance	23 727	300	5 771	208	36,1	190	32,9	34,6
Brune	16 162	347	7 423	309	41,6	253	34,1	35,8
Simmental française	15 571	316	6 812	273	40,1	230	33,7	35,5
Pie-Rouge	8 702	338	8 064	344	42,7	268	33,3	35,0
Tarentaise	8 672	281	4 647	171	36,8	151	32,5	34,2
Jersiaise	10 398	332	5 151	285	55,3	197	38,3	40,3
All breeds	2 200 652	339	8 591	343	39,9	277	32,2	33,9

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	Progrès from 2010-2020 (10 years)	Milk (kg)	Fat (%)	Protein (%)
Prim'Holstein	Phenotypic	+ 470	+ 0,9	+ 0,5
	Genetic	+ 565	- 0,2	+ 0,5
Montbéliarde	Phenotypic	+ 757	+ 0,1	+ 0,8
	Genetic	+ 538	=	+ 0,6
Normande	Phenotypic	+ 597	- 0,1	+ 0,5
	Genetic	+ 581	+ 0,1	+ 0,7
Abondance	Phenotypic	+ 300	- 0,7	+ 0,2
	Genetic	+ 309	- 0,5	- 0,1
Brune	Phenotypic	+ 601	+ 0,1	+ 0,4
	Genetic	+ 436	+ 0,2	+ 0,6
Simmental Française	Phenotypic	+ 671	+ 0,2	+ 0,6
	Genetic	+ 499	+ 0,2	+ 0,4
Pie-Rouge*	Phenotypic	+ 671	+ 0,8	+ 0,9
	Genetic	-	-	-
Tarentaise	Phenotypic	+ 199	+ 1,0	+ 0,6
	Genetic	+ 392	+ 0,5	+ 0,2
Jersiaise	Phenotypic	+ 229	+ 0,5	+ 0,6
	Genetic	-	-	-

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

Beef Cattle

Breeds	Total number of cows (2020)	Recorded cows (2020)	Bulls			AI*	
			Genomic breeding value	Performance tested	Progeny tested	Pure breed	Crossing
Charolaise	1 326 180	363 565	22 736	587	40	326 297	361 787
Limousine	1 082 584	283 964	8 836	866	22	123 894	209 505
Blonde d'Aquitaine	442 444	148 992	2 551	302	20	135 242	30 710
Salers	214 744	59 788	-	103	-	13 337	4 356
Aubrac	231 992	92 835	-	124	-	19 961	5 069
Parthenaise	51 584	28 263	-	91	-	19 361	9 080
Rouge des Prés	31 309	17 218	-	67	-	8 302	1 104
Gasconne des Pyrénées	17 812	8 794	-	77	-	2 122	571
Bazadaise	3 807	2 511	-	-	-	1 329	3 336
Blanc Bleu	10 620	3 207	-	-	-	7 629	639 970
All breeds	3 413 076	1 009 137	34 123	2 217	82	657 873	1 265 448

Sources : Institut de l'Elevage, Allice, FCEL, SCEES, BDNl
* 2020 campaign data

Beef recording

Breeds	Weight 210 days (kg) (calves born during campaign 2020)		Weight 1 year (kg) (calves born during campaign 2017)	
	Males	Females	Males	Females
Charolaise	306	272	494	384
Limousine	295	268	480	371
Blonde d'Aquitaine	304	279	518	396
Salers	275	243	432	342
Aubrac	271	236	418	329
Parthenaise	278	250	483	357
Rouge des Prés	296	272	512	379
Gasconne des Pyrénées	261	236	445	321
Bazadaise	252	236	360	338
Blanc Bleu	258	255	453	392

Dairy sheep

Breeds	Total number of ewes*	Recorded ewes*	Rams			AI*
			Genotyped	Performance tested*	Progeny tested*	
Lacaune	1 084 000	698 385	3 081	3 223	297	417 851
Races pyrénéennes						
- Basco-béarnaise	81 000	36 989	220	251	60	17 143
- Manech tête noire	74 000	12 173	102	108	28	5 446
- Manech tête rousse	281 000	112 300	714	714	174	58 442
Corse	85 000	32 309	374	386	21	7 661
All breeds	1 605 000	892 156	4 491	4 682	580	506 543

Data 2020

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

Dairy sheep recording 2021 (official milk recording)

Breeds	Number of recorded ewes 2020	Lactation length	Milk yield (liter)
Lacaune	168 661	174	339
Basco-béarnaise	22 392	146	214
Manech tête noire	7 831	147	175
Manech tête rousse	63 172	161	243
Corse	16 334	189	149

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

Meat sheep

Breeds	Total number of ewes*	Recorded ewes*	Performance tested rams	Progeny tested rams	AI
Specialized meat breeds	994 500	79 863	1 383	58	134 707
Hardy meat breeds	2 459 200	197 496	2 558	80	101 665
Meat cross-breeds	343 300	27 572	-	-	-
All breeds	3 797 000	304 931	3 941	115	236 372

* Campaign data 2020

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'Elevage

Results for 10 main breeds 2020

Breeds	Number of lambing	Ewes					
		Prolificity ewes natural oestrus	Prolificity ewes induced oestrus	30 d.Std weight males simples (kg)	30 d.Std weight males twins (kg)	70 d.Std weight males simples (kg)	70 d.Std weight males twins (kg)
Romane	26 554	2,19	2,12	13,7	11,7	28,1	24,7
Causses du Lot	21 543	1,64	1,82	12,2	10,4	-	-
Blanc Massif Central	18 953	1,58	1,68	13,7	11,9	30,6	27,5
Lacaune Viande	13 509	1,93	2,03	13,2	11,5	28,3	25,3
Mérinos d'Arles	12 574	1,25	-	12,0	10,0	-	-
Ile de France	10 550	1,80	1,98	14,8	12,5	29,4	26,1
Rava	8 299	1,60	-	13,0	10,7	-	-
Mouton Vendéen	7 652	1,74	1,87	13,5	11,0	25,6	22,4
Limousine	7 219	1,41	1,63	12,6	10,5	-	-
Mouton Charollais	6 625	1,66	1,91	16,0	13,6	29,8	26,3

Source : Institut de l'Elevage

Goats

Breeds	Total number of goats 2020		Mâles de millésime 2021 (série S)			AI (2021)*
	Recorded	% % filiated	Genotyped	Recorded in Capènes	Published	
Alpine	236 800	42 %	257	87	61	44 941
Saanen	147 500	37 %	219	74	56	25 707
Others	22 100	20 %	-	-	-	76
All breeds	406 400	39 %	476	161	117	70 724

* These figures take into account AI data performed over the period 01/10/2020 to 30/09/2021

Results of goat milk recording 2020

Breeds	Recorded goats	Lactation length (days)	Milk yield (kg)	Fat (kg)	Fat (%)	Protein (kg)	Protein (%)
Alpine	141 225	318	974	37,2	38,2	33,0	33,8
Saanen	83 969	328	1 028	37,6	36,6	33,6	32,7

Sources : Institut de l'Elevage, FCEL

Published in February 2022
 France Génétique Elevage
 149 rue de Bercy - 75595 PARIS Cedex 12
 Tél : 33 (0) 6 22 79 94 74
france-genetique-elevage@france-genetique-elevage.fr
www.france-genetique-elevage.org



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