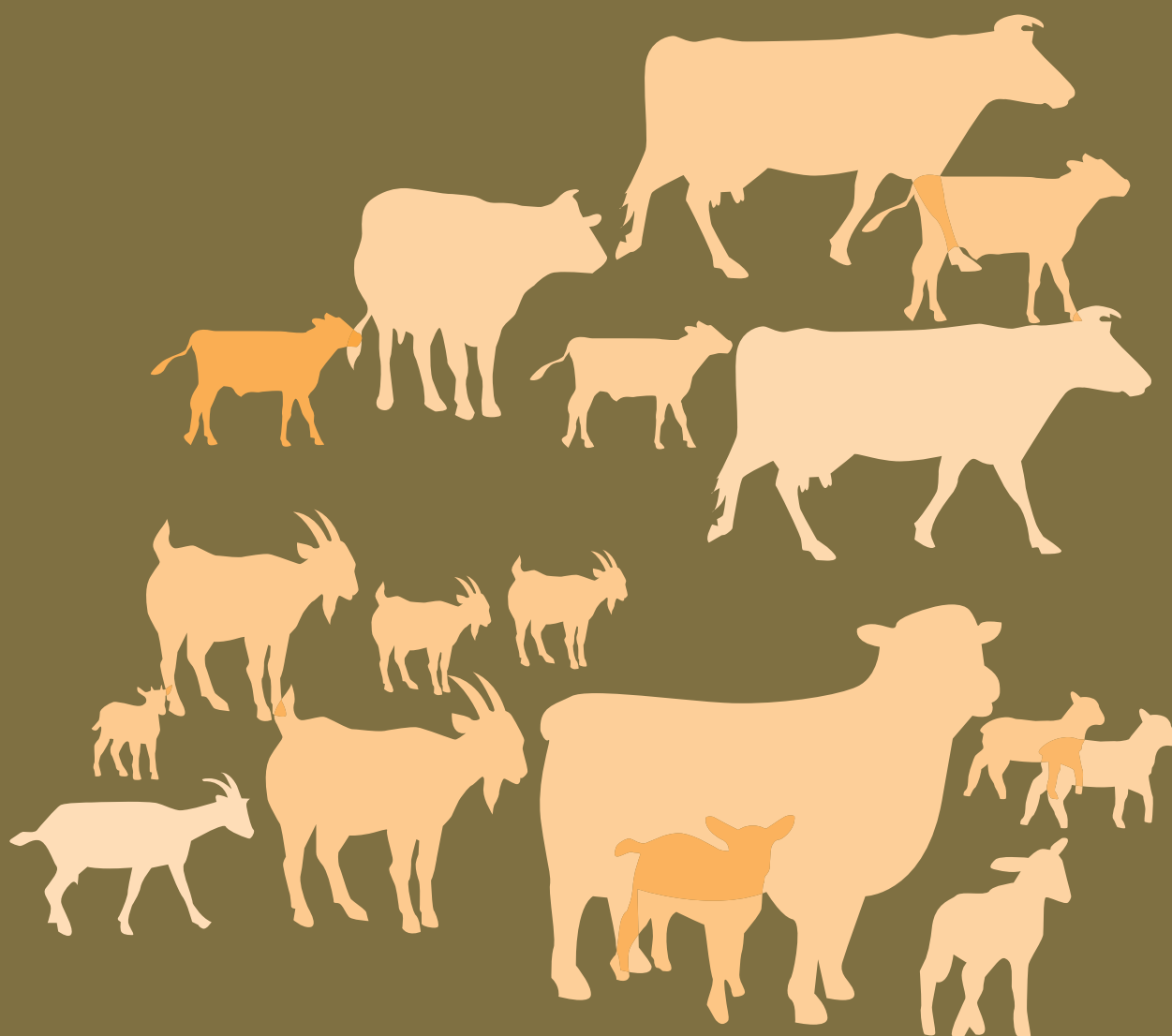




Milk recording results France 2019



Collection
Résultats

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MILK RECORDING

RESULTS OF

CATTLE, GOATS AND SHEEP

- FRANCE - Year 2019 -



Report n° 0020201003
GT/JMA/XB

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Milk recording results - Dairy Cattle France – Year 2019

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Data processing

In paragraph 1.1.1, the **number of active cows** refers to cows still present on the 31st of December 2019 in a herd with active Official Milk Recording (=MR) contract and for which at least one milk record has been registered throughout the year 2019.

In paragraph 1.1.2, the **number of active herds** refers to herds with active Official Milk Recording contract on the 31st of December 2019 and with at least one active cow taken in account over the year (and still present in this herd on the 31st of December 2019).

Annual milk recording results (starting at paragraph 1.2) have been calculated on 1 February 2020 by the Genetic Information Processing Centre (in accordance with the French National Institute for Agricultural Research [INRA] specifications) and processed by the Institut de l'Élevage. These results take into account **one lactation per cow; the last terminated one** (with a calving date after January 1st, 2016). This rule involves that the primiparous still on lactation are therefore not counted up in these results.

These terminated lactations may be qualified or not. The non-qualified ones are taken into account into the calculation of the terminated lactations' overall total (see paragraph 1.1.3) and are classified according to the cause of non-qualification (cf. paragraph 1.3.2) but are not included in the calculation of milk yield and contents results.

The herds for which lactation results are calculated are the only ones taken into account in this document. This total is therefore slightly higher than the number of « active herds » (see results presented in paragraph 1.1) because it takes into account some herds that have been controlled during the previous year but were not active anymore after the 31st of December 2019.

Into the paragraph 1.3.2, the proportion of the non-qualified lactations due to cause of non-qualification 1 (i.e. excessively long interval between calving and the 1st test-date) related to a herd with first MR contract is determined as follows:

The first condition is that the date of beginning of the lactation, (= calving date) taken into account in the current results must be prior to the starting date of MR contract of the herd the cow belongs to (link between a cow and a herd is searched at the last test-date in milk of the cow).

In case this first condition is met, one determines whether a previous MR contract did exist for the relevant herd:

- if so, the interval between the date when the previous MR contract ended and the starting date of the next MR contract is calculated. If this interval is over 365 days long, it is considered as a first MR contract for the relevant herd,
- if not so, it is also considered as a first MR contract for the relevant herd.

Only local areas (= French « départements ») for which more than 40 lactations results counted up are in tables 3.2, 3.4 and 3.6. The results presented in tables 3.3, 3.5 and 3.7 take into account only breeds for which at least 40 lactations have been counted up in the corresponding local area.

This document has been produced with the substantial assistance in programming of Mrs N. Weiswald (Genetic Information Processing Centre in Jouy-en-Josas).



Trends for 2019

36,705 herds provided 2,334,919 qualified lactations in 2019. Decreasing respectively from 5.6% and 2% the herd number and the number of qualified lactations confirm the trend observed the previous years.

The three main French national breeds (Prim'Holstein, Montbéliarde and Normande) represent henceforth 91.3% of the total of qualified lactations (-0.3% compared to 2018).

With 47.5% the percentage of herds with more than 60 qualified lactations is increasing again in 2019 (45.1% in 2018 and 40.1% in 2017) while the rate of qualified lactations they represent reach 69% (66.9% in 2018 and 63.1% in 2017).

With an average milk production for complete lactations at 8,446 Kg, the milk yield is decreasing in 2019 (-20kg). In the same time the average lactation duration is increasing to 335 days (+1 day).

Mean fat and protein rates reach 40.1 g/kg for fat and 32.5 g/kg for proteins.

A noticeable improvement in somatic cell count situation is again observed. The proportion of lactations for which all the test-dates obtain cell counts lower than 300.000 cells and the proportion of lactations having at least 2 test-dates with cell counts higher than 800.000 reach respectively 49.6% et 12.7%.



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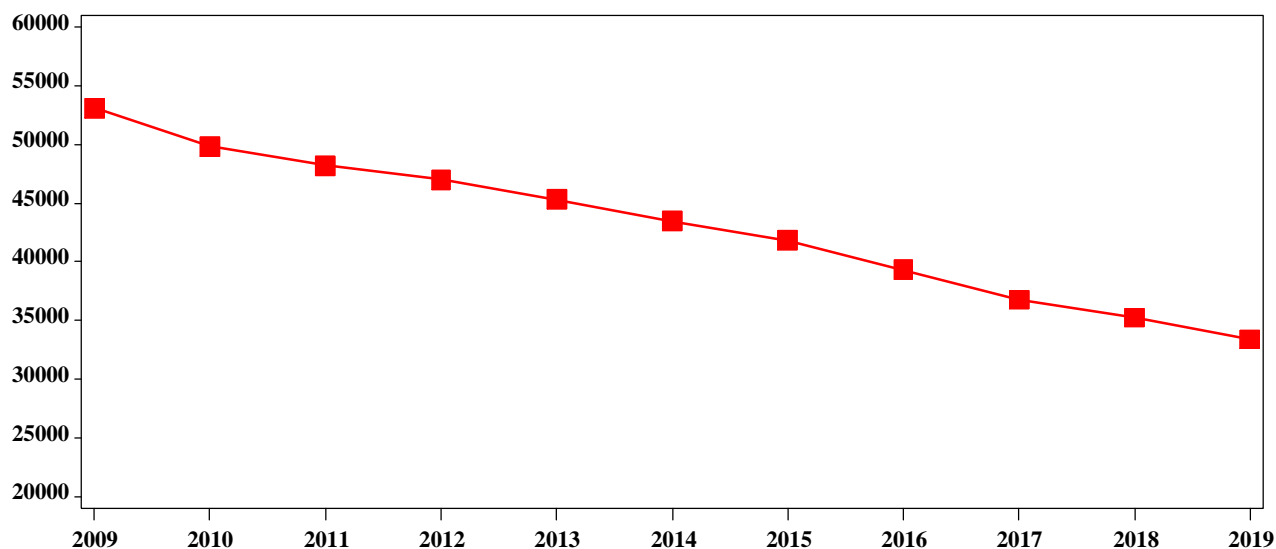


I - NATIONAL RESULTS

1.1 - Total milk recorded population

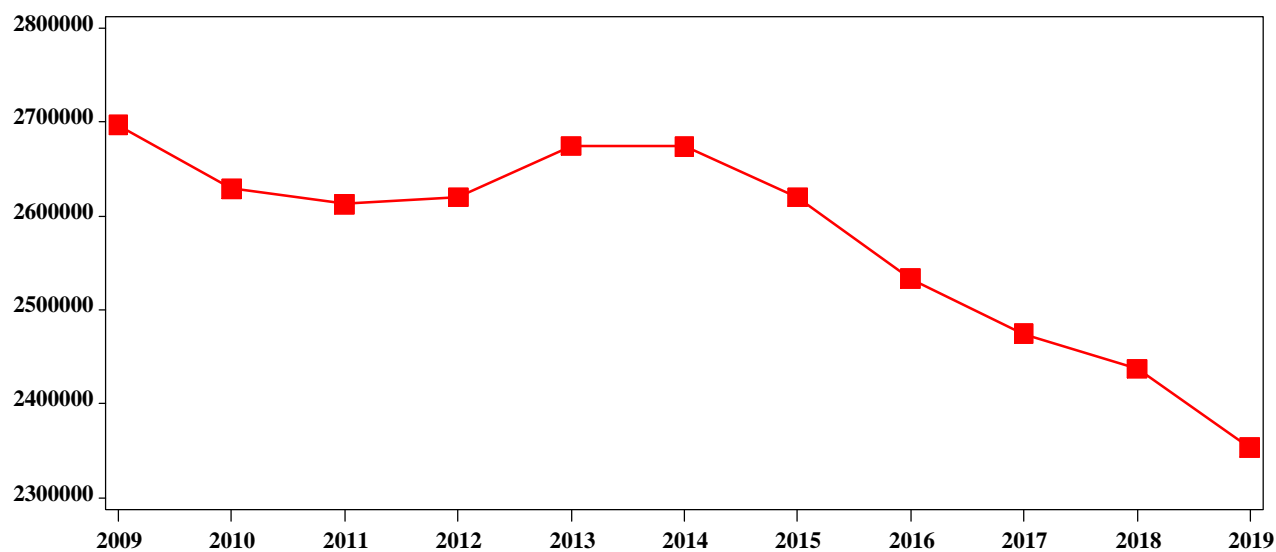
1.1.1 - Total number of active herds on December, 31st, 2019*

33,380 herds



1.1.2 - Total number of active cows on December, 31st, 2019*

2,353,384 cows



For information about how the number of “active herds” and “active cows” is calculated, refer to « Data processing » paragraph (cf. page 4).



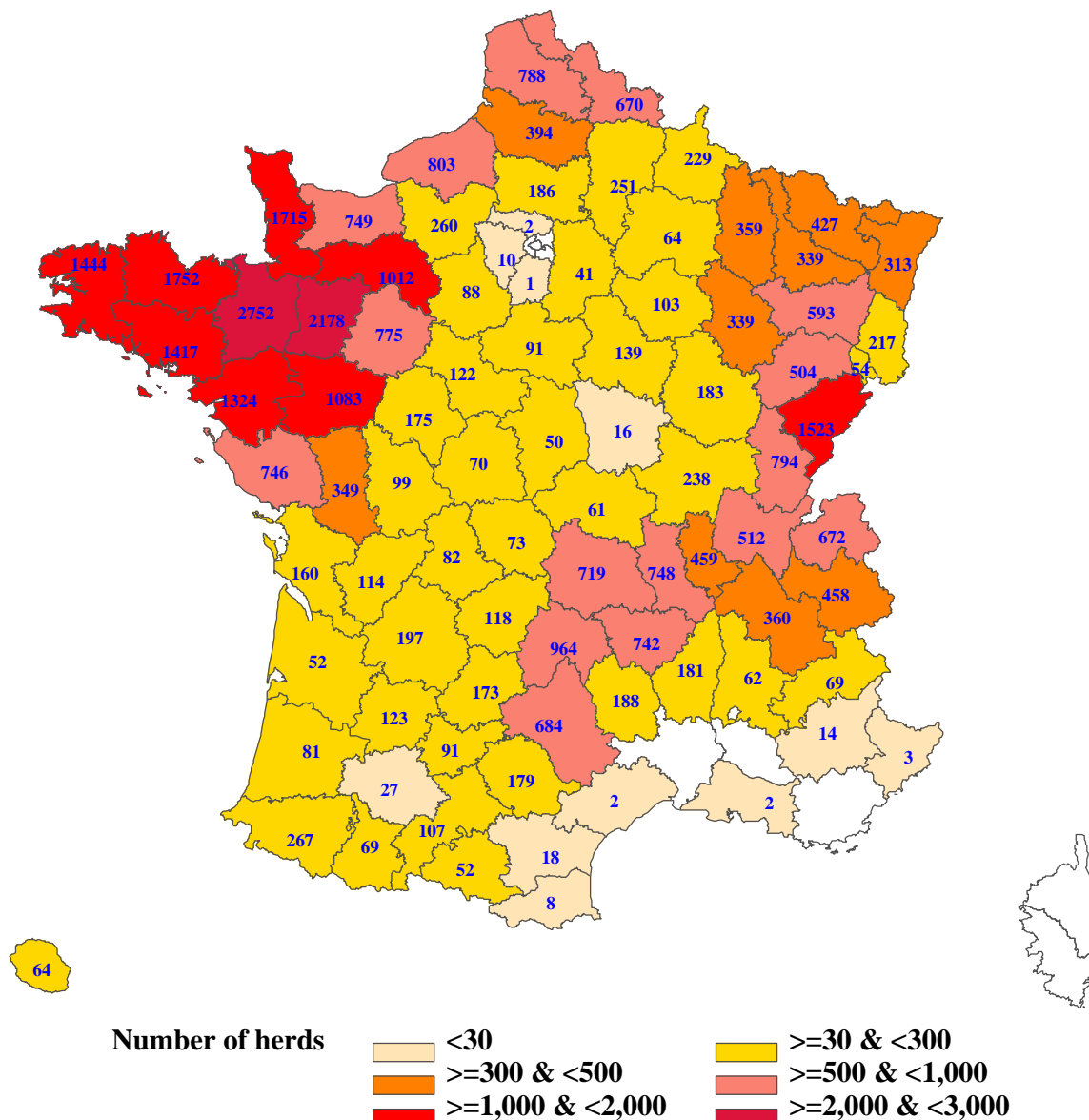
1.1.3 - Terminated lactations

These results take into account the last terminated lactation (qualified or not) of each animal (refer to paragraph « Data processing » on page 4 for further details).

1.1.3.1 - Total number of herds with terminated lactations

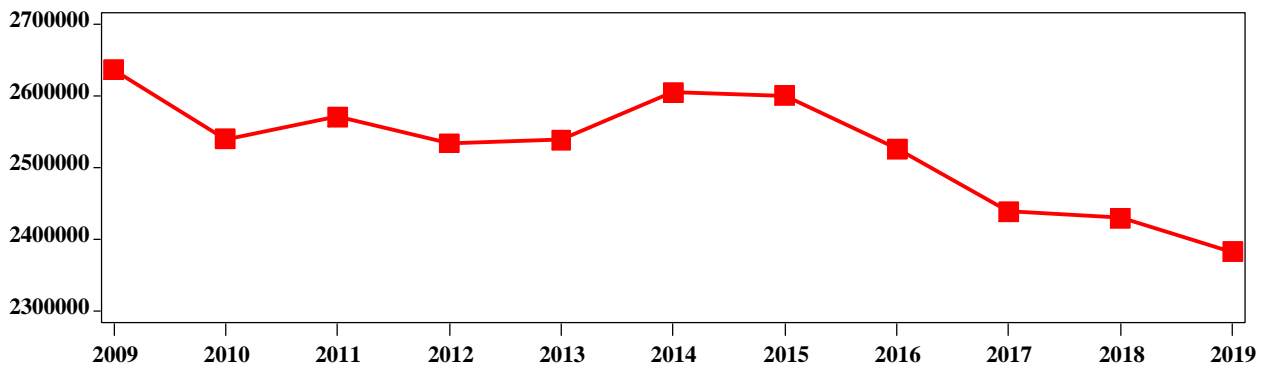
36,786 herds

Herd distribution with terminated lactations per local area (= French “département”)

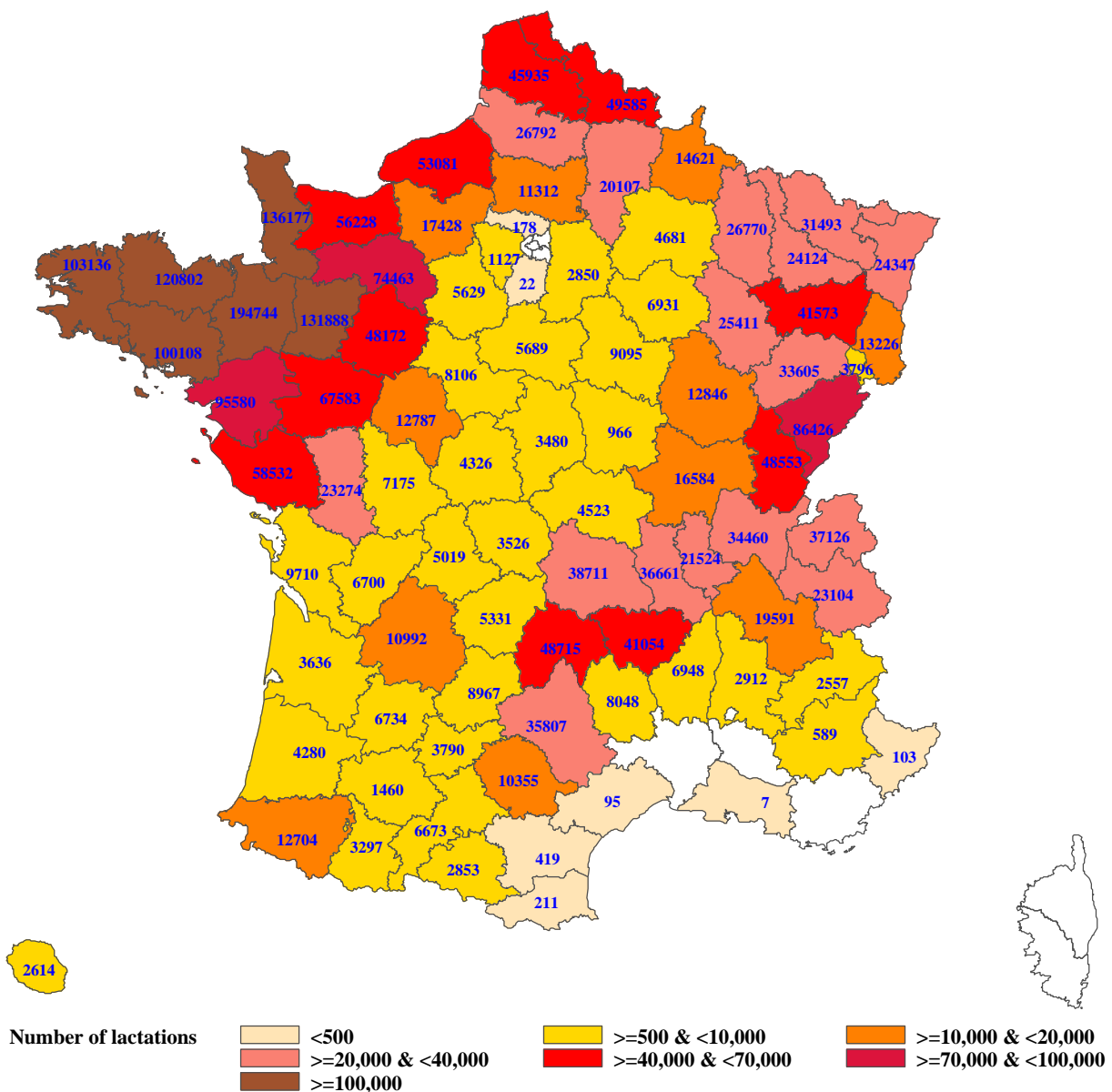


1.1.3.2 - Total number of terminated lactations

2,383,150 lactations



Distribution of terminated lactations per local area



1.2 - Qualified lactations

This table shows the distribution of qualified lactations according to the year of calving and of drying off.

Year of calving	Year of drying off								Overall total	
	2016		2017		2018		2019			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%
2016	6,145	0.3	50,395	2.2	11,252	0.5	4,814	0.2	72,606	3.1
2017			6,901	0.3	201,756	8.6	134,232	5.7	342,889	14.7
2018					61,514	2.6	1,552,316	66.5	1,613,830	69.1
2019							305,594	13.1	305,594	13.1
Overall total	6,145	0.3	57,296	2.5	274,522	11.8	1,996,956	85.5	2,334,919	100

For example: 1,552,316 qualified lactations (that is to say 66.5 % of the overall total) match the following criteria: a calving date in 2018 a drying off date in 2019.

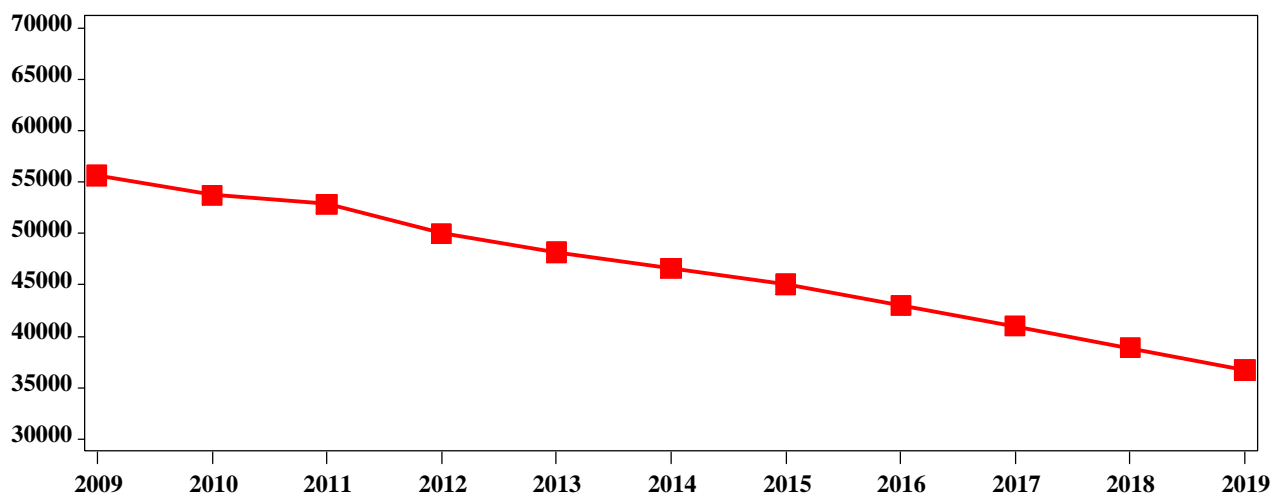


1.2.1 - Complete lactations

These results take in account all the qualified lactations, with no delete or no kind of adjustment, whatever their duration.

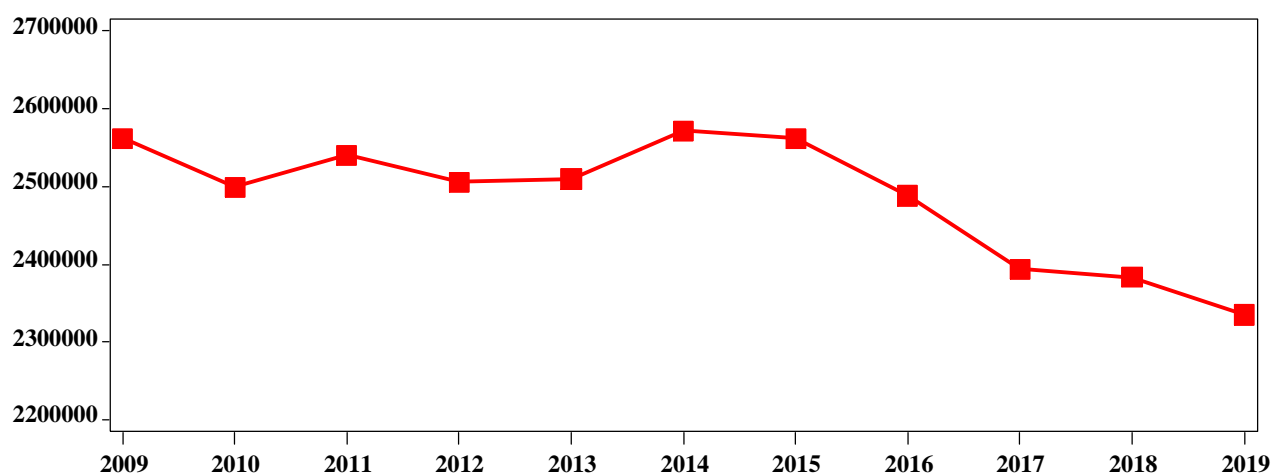
1.2.1.1 - Total number of herds which provided complete lactation results

36,705 herds



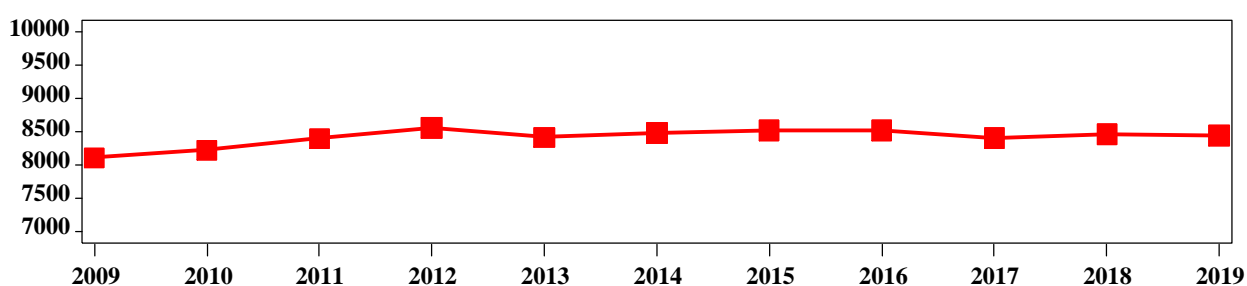
1.2.1.2 - Total number of complete lactations

2,334,919 lactations

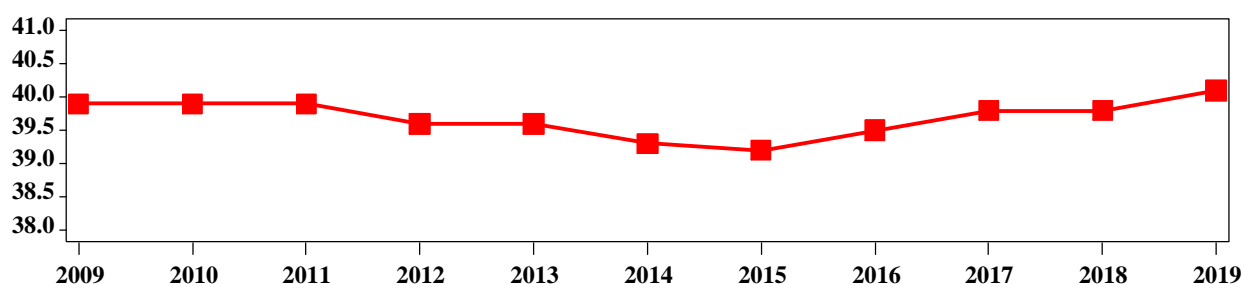


		2019	Variation 2019/2018	2018
Number of results		2,334,919	-48,620	2,383,539
Lactation duration	days	335	1	334
Milk yield	kg	8,446	-20	8,466
Fat content	kg	338	1	337
Fat ‰	g/kg	40.1	0.3	39.8
True protein content	kg	274	0	274
True protein	g/kg	32.5	0.1	32.4
Protein ‰	g/kg	34.2	0.1	34.1
True protein + fat content	kg	613	2	611
True protein + fat ‰	g/kg	72.6	0.4	72.2

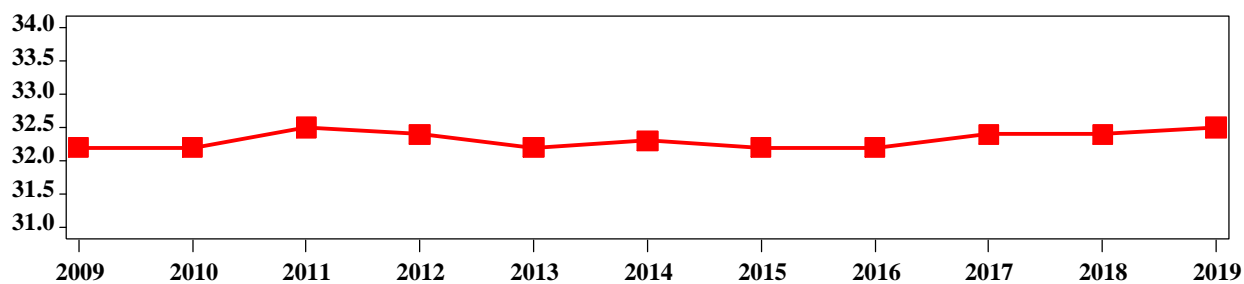
Milk yield – complete lactations - kg



Fat ‰ – complete lactations - g/kg

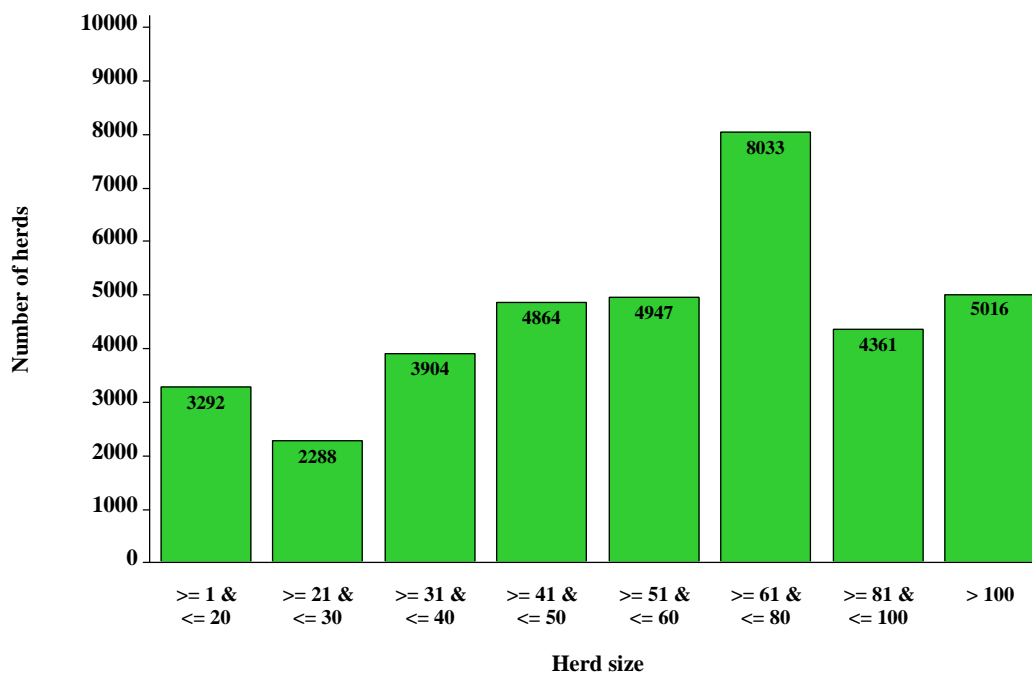


True protein ‰ – complete lactations - g/kg



1.2.2 - Herds distribution per herd size

Herd size	Herds		Lactation results		Milk yield	Fat %	True protein %	Duration
	<i>Nb</i>	%	<i>Nb</i>	%	<i>kg</i>	<i>g/kg</i>	<i>g/kg</i>	<i>days</i>
>=1 & <=20	3,292	9.0	27,148	1.2	6,965	39.8	32.1	324
>=21 & <=30	2,288	6.2	59,798	2.6	7,220	39.7	32.3	336
>=31 & <=40	3,904	10.6	139,892	6.0	7,669	39.8	32.4	338
>=41 & <=50	4,864	13.3	222,008	9.5	8,012	39.9	32.4	341
>=51 & <=60	4,947	13.5	274,568	11.8	8,230	40.1	32.5	338
>=61 & <=80	8,033	21.9	560,692	24.0	8,503	40.1	32.5	337
>=81 & <=100	4,361	11.9	390,187	16.7	8,613	40.1	32.5	334
>100	5,016	13.7	660,626	28.3	8,870	40.1	32.5	330
Overall total	36,705	100	2,334,919	100	8,446	40.1	32.5	335

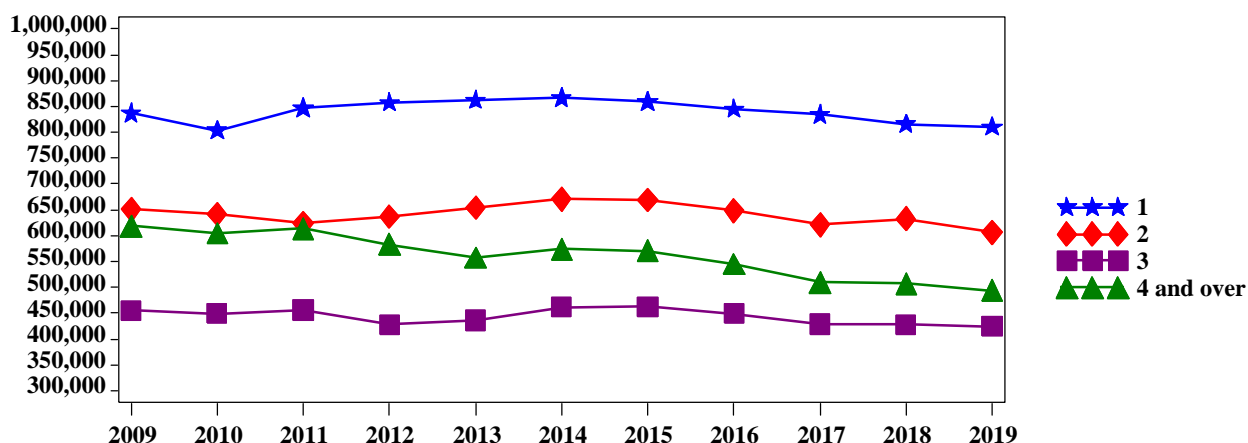


1.2.3 - Complete lactations per parity

1.2.3.1 - Number and percentage of results per parity

Parity	Number	%
1st lactation	810,684	34.7
2nd lactation	606,044	26.0
3rd lactation	424,313	18.2
4th lactation	254,953	10.9
5th lactation	134,583	5.8
6th lactation	61,394	2.6
7th lactation	26,158	1.1
Lactation 8 and over	16,790	0.7
Overall total	2,334,919	100

Average parity 2.4

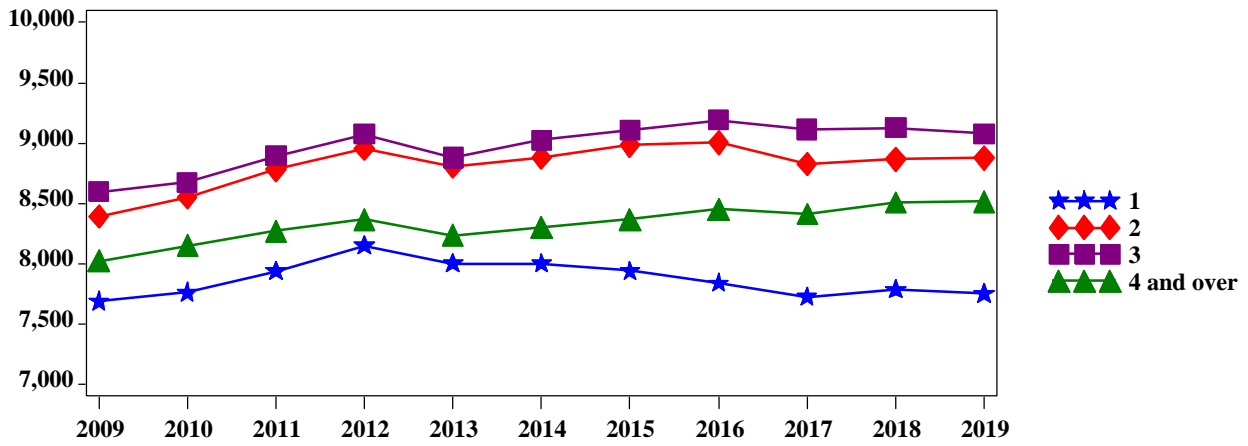


1.2.3.2 - Average results of complete lactations per parity (1st, 2nd, 3rd, 4th and over)

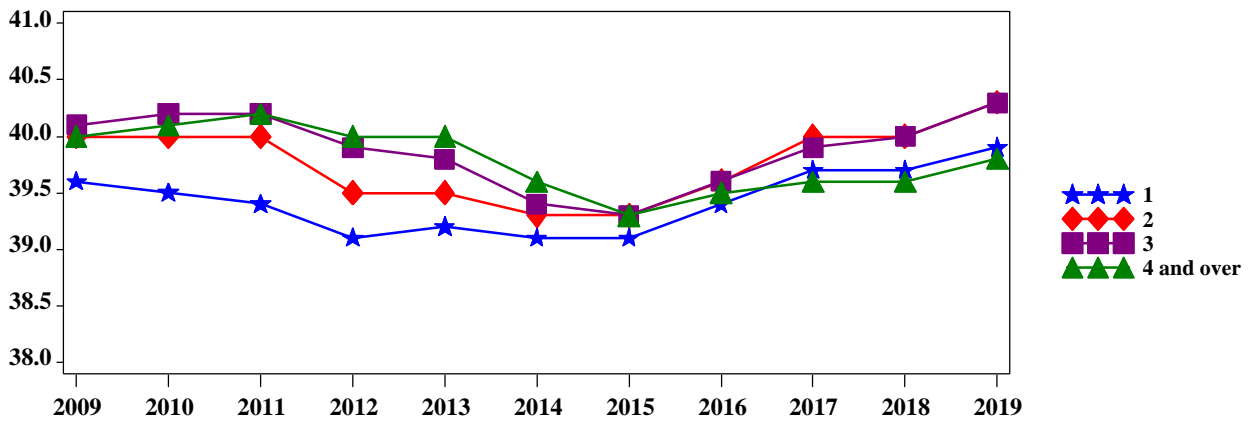
Parity		1	2	3	4 and over
Number of results		810,684	606,044	424,313	493,878
% of the results		34.7	26.0	18.2	21.2
Lactation duration	days	340	340	334	322
Milk yield	kg	7,751	8,876	9,078	8,514
Fat content	kg	309	358	365	339
Fat ‰	g/kg	39.9	40.3	40.3	39.8
True protein content	kg	253	291	294	273
True protein ‰	g/kg	32.6	32.7	32.4	32.0
True protein + fat content	kg	562	648	660	612
True protein + fat ‰	g/kg	72.5	73.0	72.7	71.9



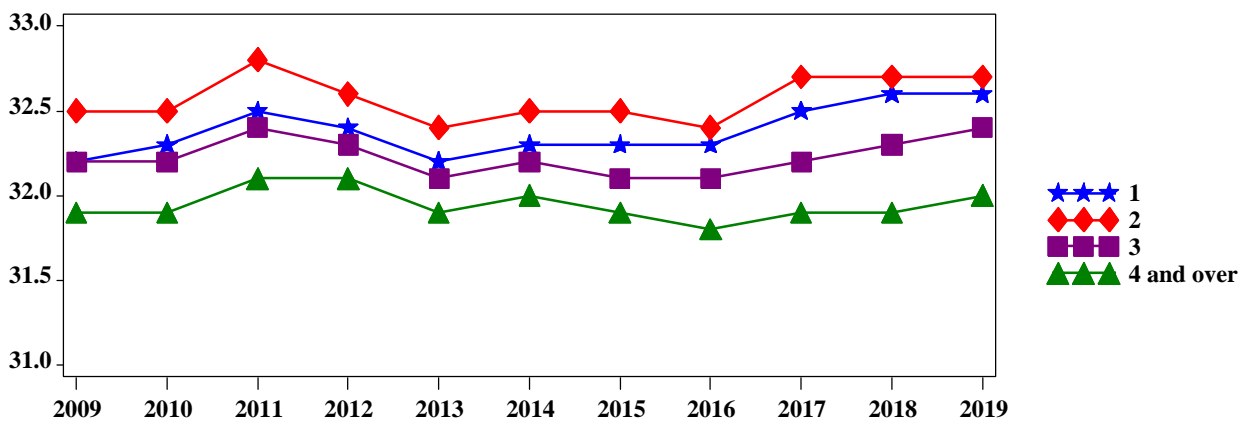
Milk yield – complete lactations - kg



Fat % – complete lactations - g/kg



True protein % – complete lactations - g/kg



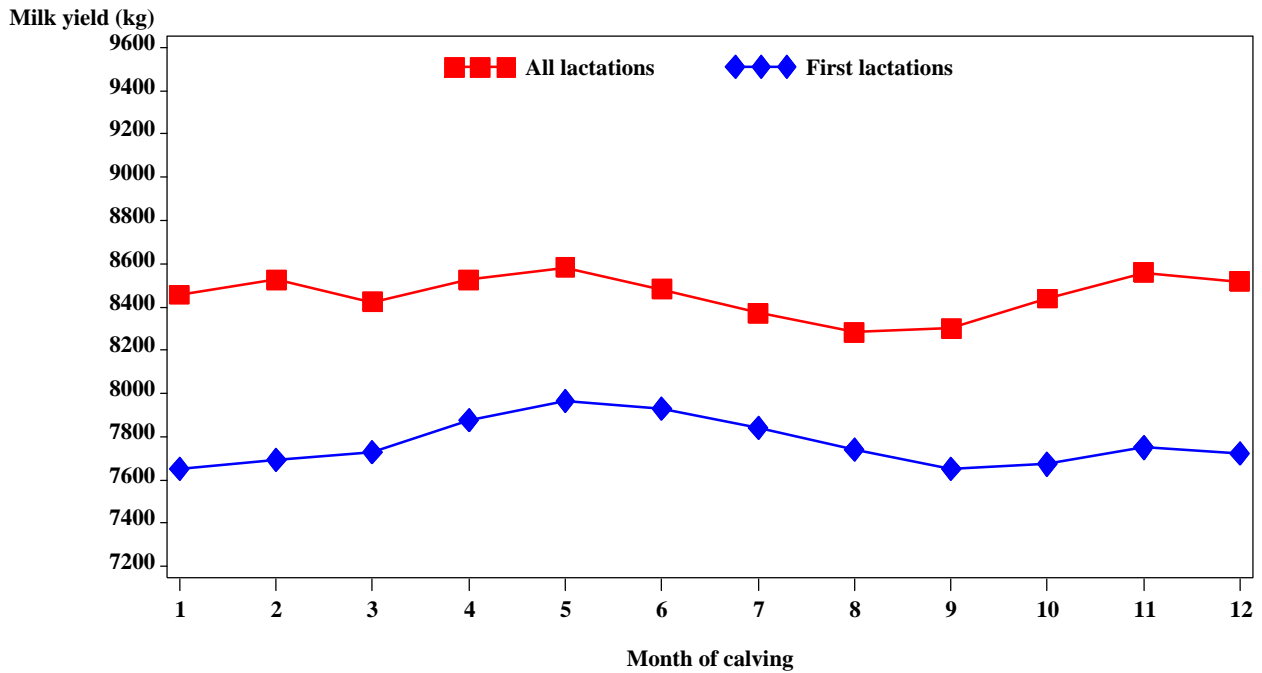
1.2.4 - Complete lactations per month of calving - all lactations and first lactations

Month of calving	All lactations									
	Number of lactations	%	Lactation duration days	Milk yield kg	Fat content kg	Fat ‰ g/kg	True protein content kg	True protein ‰ g/kg	Fat + true protein content kg	Fat + true protein ‰ g/kg
January	190,532	8.2	331	8,457	336	39.7	272	32.2	608	71.9
February	154,714	6.6	337	8,526	339	39.8	275	32.2	614	72.0
March	150,526	6.4	339	8,423	335	39.8	272	32.2	607	72.1
April	133,866	5.7	344	8,527	340	39.9	275	32.3	616	72.2
May	148,744	6.4	346	8,583	344	40.1	278	32.4	622	72.4
June	150,275	6.4	340	8,483	341	40.2	276	32.6	618	72.8
July	181,873	7.8	334	8,372	337	40.3	274	32.7	611	73.0
August	227,409	9.7	332	8,283	335	40.4	272	32.9	607	73.3
September	270,210	11.6	332	8,301	335	40.4	272	32.8	607	73.1
October	261,257	11.2	332	8,439	339	40.2	275	32.6	614	72.8
November	241,443	10.3	333	8,559	342	40.0	277	32.4	619	72.4
December	224,070	9.6	331	8,517	338	39.7	275	32.3	613	72.0
Overall total	2,334,919	100	335	8,446	338	40.1	274	32.5	613	72.6

Month of calving	First lactations									
	Number of lactations	%	Lactation duration days	Milk yield kg	Fat content kg	Fat ‰ g/kg	True protein content kg	True protein ‰ g/kg	Fat + true protein content kg	Fat + true protein ‰ g/kg
January	68,193	8.4	336	7,651	303	39.6	248	32.5	551	72.0
February	52,612	6.5	340	7,695	305	39.7	250	32.5	555	72.2
March	51,961	6.4	344	7,727	308	39.9	251	32.5	560	72.5
April	49,311	6.1	349	7,876	315	40.0	256	32.5	571	72.6
May	53,544	6.6	350	7,965	319	40.0	259	32.6	578	72.6
June	50,131	6.2	346	7,929	318	40.1	259	32.7	577	72.8
July	56,999	7.0	341	7,840	315	40.2	257	32.8	572	73.0
August	74,151	9.1	338	7,739	311	40.1	254	32.9	565	73.0
September	101,563	12.5	336	7,652	306	40.0	251	32.8	557	72.8
October	92,948	11.5	336	7,673	306	39.9	251	32.7	557	72.6
November	82,678	10.2	338	7,750	308	39.7	252	32.6	560	72.3
December	76,593	9.4	337	7,723	306	39.6	251	32.5	556	72.0
Overall total	810,684	100	340	7,751	309	39.9	253	32.6	562	72.5



Milk yield per calving month – kg



1.2.5 - 305-d lactations (= reference lactations)

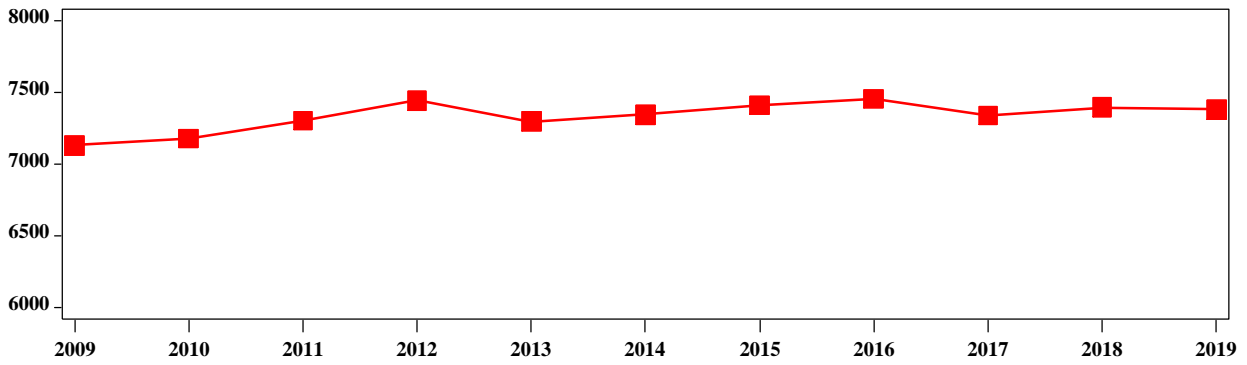
Two scenarios are possible for calculating the reference lactations:

1. **The complete lactation exceeds the reference period (305 days).** In this case, the results of the reference are calculated by interpolation, using the Fleischmann method.
2. **Complete lactation does not exceed the reference period.** In this case, the results of the reference lactation are those of the complete lactation.

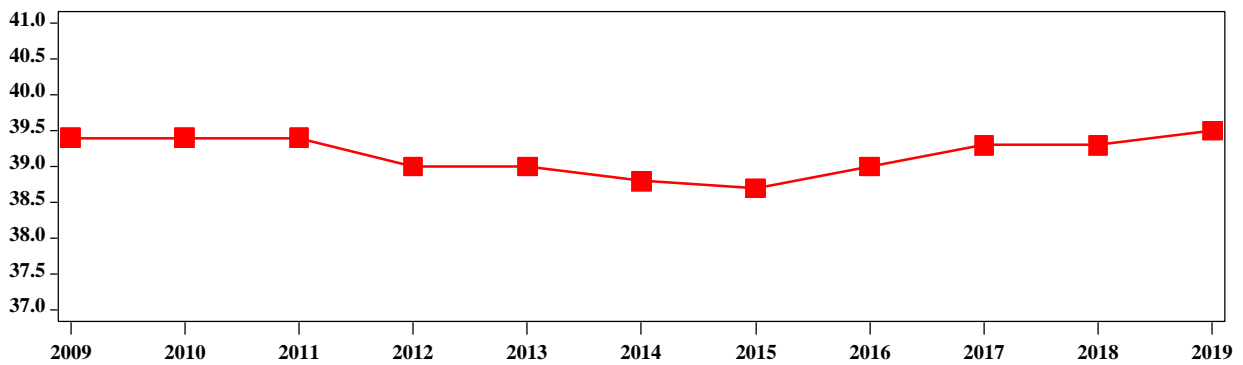
		2019	2018
Milk yield	kg	7,383	7,396
Fat content	kg	291	290
Fat %	g/kg	39.5	39.3
True protein content	kg	236	236
True protein %	g/kg	31.9	31.9
Fat + true protein content	kg	527	526
Fat + true protein %	g/kg	71.4	71.1



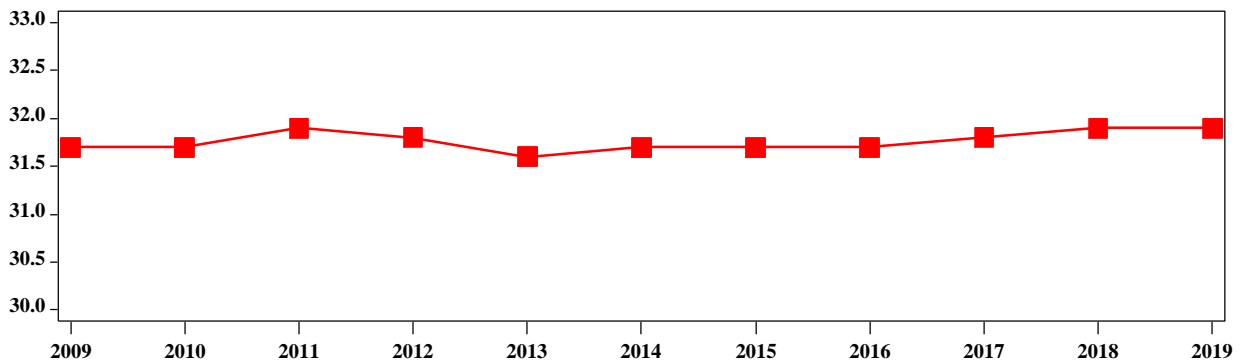
Milk yield - 305-d lactations - kg



Fat % - 305-d lactations - g/kg



True protein % - 305-d lactations - g/kg



1.2.6 - Adjusted lactations

Steps taken to obtain these results:

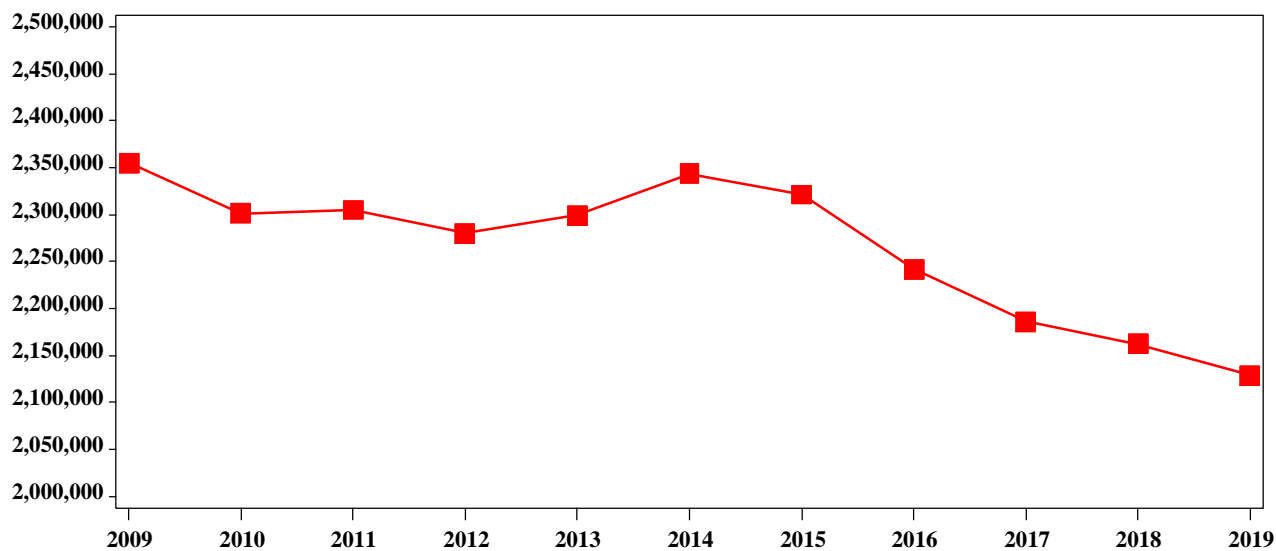
Firstly, exclusion of the lactations with duration lower than 200 days (representing 205,947 lactations, that is to say 8.8 % of the total number).

Secondly, the remaining lactations are adjusted to adult level by multiplying the results for parity 1 to 3 by the following coefficients defined by the French National Institute for Agricultural Research (INRA):

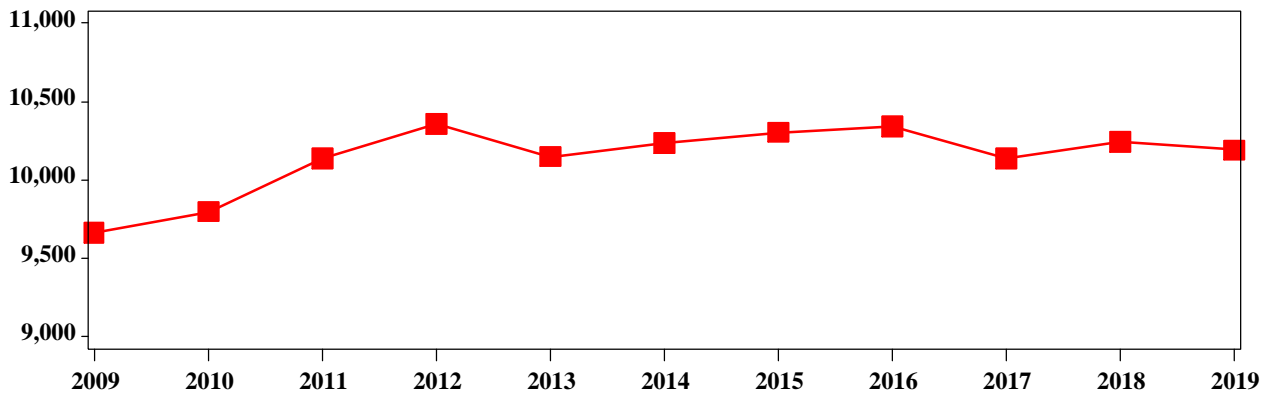
1.30 for 1st lactations ; 1.12 for 2nd lactations ; 1.03 for 3rd lactations ; 1.00 for lactations 4 and over.

		2019	2018
Complete lactations	<i>Nb</i>	2,334,919	2,383,539
Adjusted lactations	<i>Nb</i>	2,128,972	2,162,506
	%	91%	91%
Lactation duration	<i>days</i>	356	357
Milk yield	<i>kg</i>	10,193	10,245
Fat content	<i>kg</i>	409	408
Fat ‰	<i>g/kg</i>	40.1	39.8
True protein content	<i>kg</i>	332	333
True protein ‰	<i>g/kg</i>	32.6	32.5
Fat + true protein content	<i>kg</i>	740	741
Fat + true protein ‰	<i>g/kg</i>	72.6	72.3

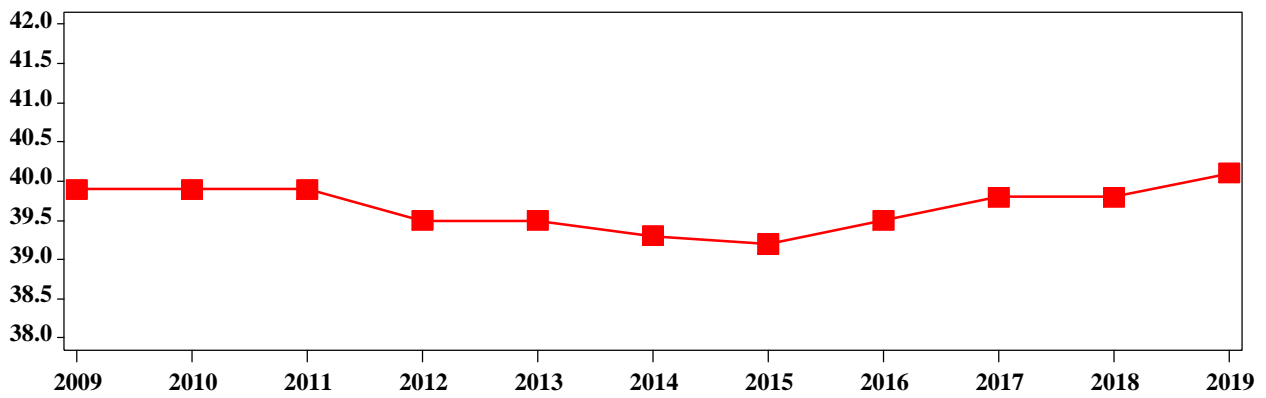
Number of adjusted lactations



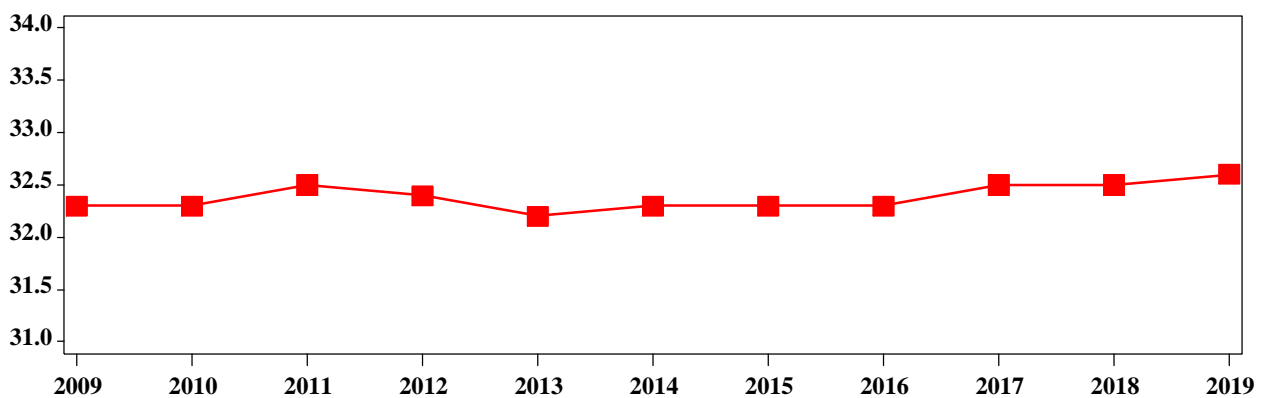
Milk yield - adjusted lactations - kg



Fat % - adjusted lactations - g/kg

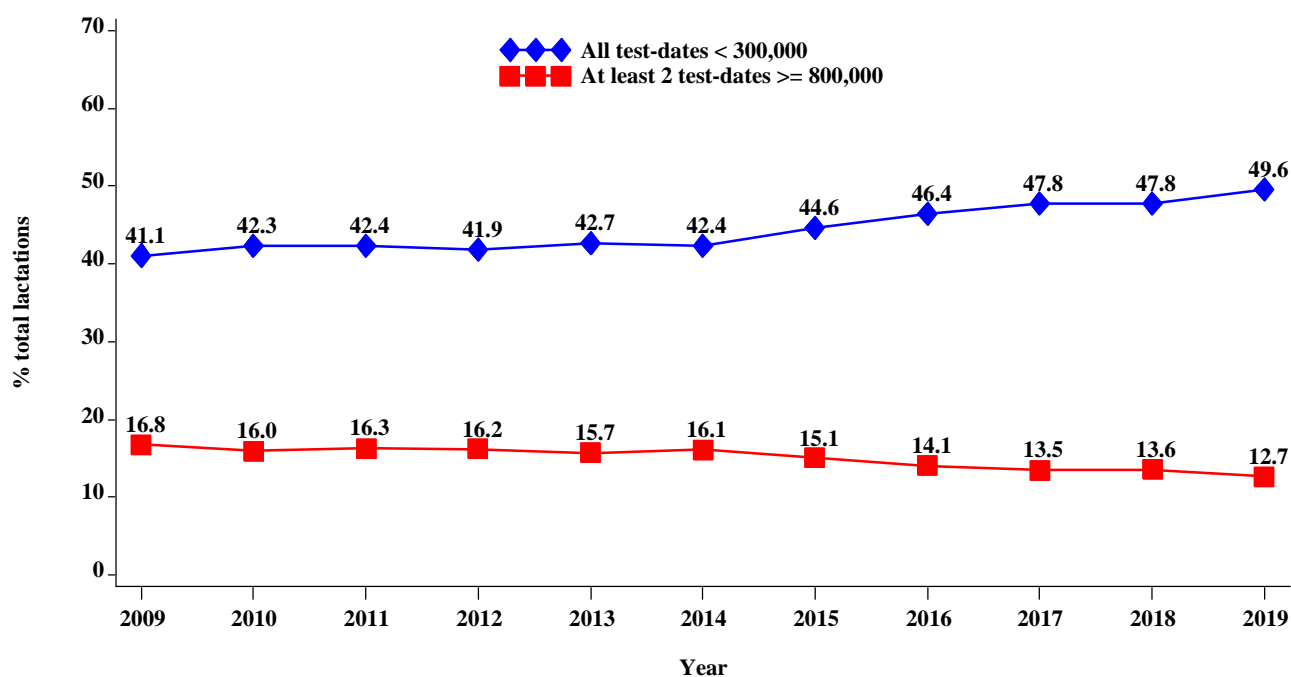


True protein % - adjusted lactations - g/kg



1.2.7 - Evolution of the individual cell count results

Year	At least 2 test-dates with cell count $\geq 800,000$		Lactations with All the test-dates with cell count $< 300,000$		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	426,471	16.8	1,052,901	41.1	1,079,376	42.1	2,561,748
2010	400,839	16.0	1,055,963	42.3	1,042,187	41.7	2,498,989
2011	413,276	16.3	1,077,970	42.4	1,048,912	41.3	2,540,158
2012	405,313	16.2	1,049,558	41.9	1,051,072	41.9	2,505,943
2013	393,158	15.7	1,070,375	42.7	1,046,094	41.7	2,509,627
2014	415,073	16.1	1,089,574	42.4	1,067,377	41.5	2,572,024
2015	387,179	15.1	1,143,536	44.6	1,031,468	40.3	2,562,183
2016	351,106	14.1	1,154,341	46.4	982,703	39.5	2,488,150
2017	322,706	13.5	1,143,090	47.8	927,988	38.8	2,393,784
2018	325,037	13.6	1,140,258	47.8	918,244	38.5	2,383,539
2019	296,944	12.7	1,157,271	49.6	880,704	37.7	2,334,919



Compared to 2018, the percentage of lactations with at least 2 test-dates $>800,000$ cells decreases of -0.9% in 2019, whereas the percentage of lactations with all test-dates $<300,000$ cells increases of 1.8%.



1.3 - Lactation qualification

1.3.1 - Qualified lactations per qualification method

Qualification method	Number of qualified lactations	%
A4	596,555	25.5
A5	257,362	11.0
A6	133,220	5.7
A7	134,709	5.8
A8	54,593	2.3
A9	1,524	0.1
AR4	29,911	1.3
AR5	11,864	0.5
AR6	8,794	0.4
AR7	10,050	0.4
AR8	23,891	1.0
AR9	930	0.0
AT4	283,766	12.2
AT5	136,910	5.9
AT6	89,270	3.8
AT7	50,305	2.2
AT8	7,377	0.3
B4	84,162	3.6
B5	46,409	2.0
B6	30,360	1.3
B7	36,561	1.6
B8	17,162	0.7
B9	474	0.0
BR4	55,386	2.4
BR5	24,900	1.1
BR6	22,333	1.0
BR7	37,290	1.6
BR8	57,017	2.4
BR9	2,938	0.1
BT4	9,006	0.4
BT5	4,835	0.2
BT6	4,401	0.2
BT7	4,921	0.2
BT8	650	0.0
BZ4	6,004	0.3
BZ5	2,443	0.1
BZ6	2,299	0.1
BZ7	915	0.0
BZ8	150	0.0
CZ4	31,836	1.4
CZ5	11,090	0.5
CZ6	5,633	0.2
CZ7	3,002	0.1
CZ8	1,711	0.1
Overall total	2,334,919	100



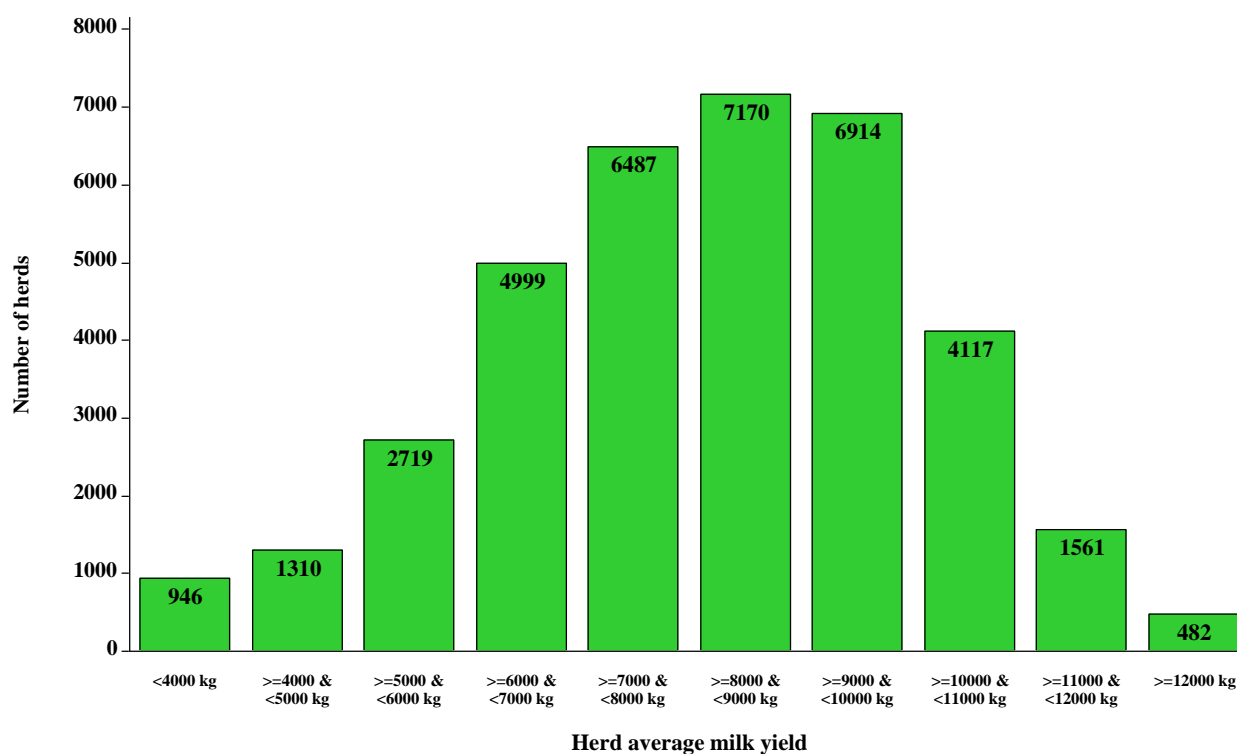
1.3.2 - Distribution of non-qualified lactations by cause of non-qualification

Cause of non-qualification	Number of non-qualified lactations	%	Proportion of new MR contracts
1- Interval too long between calving and 1st test-date	7,615	15.8	24.7%
2 - Over 2 test-dates without milk record	2,073	4.3	
3 - Over 3 test-dates without fat or true protein rate	157	0.3	
4 - Not allowed interval between 2 test-dates	19,526	40.5	
5 - Over one interval between 2 test-dates particularly long	3,072	6.4	
6 - Over 3 long intervals between 2 test-dates	1,483	3.1	
7 - Average interval between 2 test-dates too long	14,305	29.7	
Overall total	48,231	100	



1.4 - Herd distribution per milk yield level

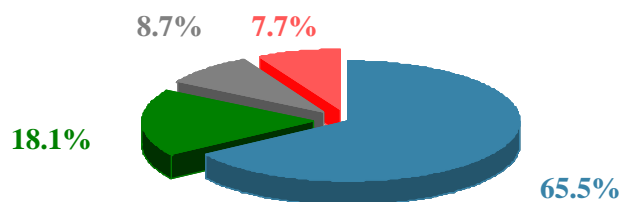
Herd average milk yield	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<4000 kg	946	2.6	21,775	0.9	3,313	39.2	32.1	244	3,139	417
>=4000 & <5000 kg	1,310	3.6	52,329	2.2	4,567	39.2	32.2	290	4,228	412
>=5000 & <6000 kg	2,719	7.4	128,758	5.5	5,572	39.2	32.4	303	5,102	409
>=6000 & <7000 kg	4,999	13.6	279,776	12.0	6,553	39.7	32.7	314	5,939	408
>=7000 & <8000 kg	6,487	17.7	408,130	17.5	7,518	40.1	32.7	325	6,704	411
>=8000 & <9000 kg	7,170	19.5	498,837	21.4	8,518	40.3	32.5	335	7,479	415
>=9000 & <10000 kg	6,914	18.8	504,115	21.6	9,474	40.2	32.4	345	8,211	417
>=10000 & <11000 kg	4,117	11.2	306,799	13.1	10,433	40.1	32.4	357	8,891	420
>=11000 & <12000 kg	1,561	4.3	106,912	4.6	11,393	39.8	32.5	374	9,506	425
>=12000 kg	482	1.3	27,488	1.2	12,598	39.5	32.5	396	10,171	435
Overall total	36,705	100	2,334,919	100	8,446	40.1	32.5	335	7,383	415



II - RESULTS PER BREED

2.1 - Complete lactations - all lactations

French breed code	Breed	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg
66	Prim'Holstein	1,530,356	344	9,226	369	40.0	296	32.1	666	72.1
46	Montbéliarde	422,238	313	7,157	279	38.9	237	33.1	516	72.1
56	Normande	180,062	329	6,643	282	42.5	231	34.8	513	77.2
39	Crossbred	113,605	324	7,515	303	40.3	245	32.6	548	72.9
12	Abondance	24,184	295	5,408	197	36.4	178	33.0	375	69.4
21	Brune	16,402	341	7,380	311	42.1	253	34.3	564	76.5
35	Simmental Française	15,796	310	6,352	256	40.3	214	33.8	470	74.0
15	Jersiaise	9,479	328	5,037	281	55.9	195	38.6	476	94.5
19	Pie Rouge des Plaines	9,413	331	7,909	340	43.0	266	33.6	606	76.6
31	Tarentaise	8,602	277	4,267	157	36.8	138	32.4	295	69.1
57	Vosgienne	1,413	282	3,901	145	37.2	122	31.4	268	68.6
23	Salers	1,152	222	2,223	75	33.8	72	32.2	147	66.0
63	Rouge Flamande	838	308	5,640	224	39.7	184	32.6	408	72.3
52	Bleue du Nord	547	276	4,641	173	37.2	146	31.4	319	68.7
29	Bretonne Pie Noire	176	247	2,231	97	43.6	73	32.6	170	76.2
14	Aubrac	149	179	1,823	74	40.4	62	34.2	136	74.6
18	Ayrshire	113	327	7,069	344	48.6	219	30.9	562	79.5
65	Ferrandaïse	109	244	2,832	104	36.7	90	31.7	194	68.4
69	Froment du Léon	76	228	2,453	108	44.0	80	32.6	188	76.7
53	Villard de Lans	54	249	3,032	124	40.9	97	32.1	221	72.9
20	Buffle	44	203	1,522	109	71.8	67	43.8	176	115.6
	Other breeds	111	252	4,678	187	40.0	152	32.5	339	72.5
	Overall total	2,334,919	335	8,446	338	40.1	274	32.5	613	72.6



■ Prim'Holstein
 ■ Normande
 ■ Montbéliarde
 ■ Other breeds



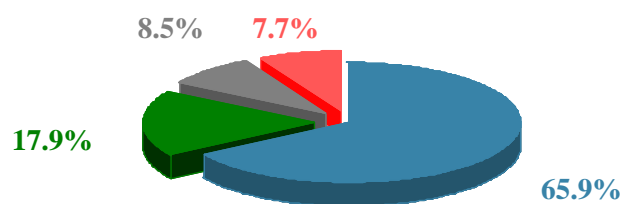
2.2 - Reference lactations (305-d) - all lactations

French breed code	Breed	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg
66	Prim'Holstein	1,530,356	7,959	314	39.4	250	31.5	564	70.9
46	Montbéliarde	422,238	6,535	252	38.5	214	32.7	466	71.3
56	Normande	180,062	5,886	246	41.9	202	34.3	448	76.1
39	Crossbred	113,605	6,669	266	39.8	214	32.1	480	71.9
12	Abondance	24,184	5,099	184	36.1	167	32.7	351	68.8
21	Brune	16,402	6,357	264	41.5	215	33.8	479	75.3
35	Simmental Française	15,796	5,863	234	39.9	196	33.4	430	73.3
15	Jersiaise	9,479	4,470	246	55.0	170	38.0	416	93.1
19	Pie Rouge des Plaines	9,413	7,050	299	42.4	233	33.0	531	75.4
31	Tarentaise	8,602	4,113	151	36.6	132	32.2	283	68.8
57	Vosgienne	1,413	3,748	139	37.0	117	31.2	255	68.2
23	Salers	1,152	2,220	75	33.8	71	32.2	146	66.0
63	Rouge Flamande	838	5,261	207	39.4	170	32.3	377	71.7
52	Bleue du Nord	547	4,463	165	37.0	140	31.3	305	68.3
29	Bretonne Pie Noire	176	2,165	94	43.4	70	32.5	164	75.9
14	Aubrac	149	1,791	72	40.3	61	34.1	133	74.4
18	Ayrshire	113	6,431	314	48.8	196	30.5	510	79.3
65	Ferrandaise	109	2,786	102	36.6	88	31.6	190	68.2
69	Froment du Léon	76	2,373	104	43.9	77	32.5	181	76.4
53	Villard de Lans	54	2,956	120	40.8	94	32.0	215	72.7
20	Buffle	44	1,510	108	71.7	66	43.8	174	115.5
	Other breeds	111	4,491	179	39.8	145	32.3	324	72.1
	Overall total	2,334,919	7,383	291	39.5	236	31.9	527	71.4



2.3 - Adjusted lactations - all lactations

French breed code	Breed	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg
66	Prim'Holstein	1,402,624	365	11,147	446	40.0	359	32.2	805	72.2
46	Montbéliarde	381,119	335	8,529	333	39.0	283	33.2	616	72.2
56	Normande	163,347	350	8,034	342	42.6	280	34.8	622	77.4
39	Crossbred	102,407	347	9,132	368	40.4	298	32.7	667	73.0
12	Abondance	21,452	316	6,400	233	36.4	212	33.1	445	69.5
21	Brune	14,966	363	8,844	373	42.1	304	34.4	677	76.5
35	Simmental Française	14,309	330	7,565	305	40.3	256	33.8	561	74.2
15	Jersiaise	8,707	346	5,968	334	55.9	231	38.7	565	94.6
19	Pie Rouge des Plaines	8,685	350	9,324	401	43.0	314	33.7	715	76.7
31	Tarentaise	7,447	300	5,122	189	36.9	166	32.5	355	69.4
57	Vosgienne	1,215	306	4,682	175	37.3	147	31.4	322	68.8
23	Salers	874	253	2,723	93	34.3	88	32.3	181	66.6
63	Rouge Flamande	772	324	6,634	264	39.8	216	32.6	480	72.4
52	Bleue du Nord	468	303	5,637	211	37.4	178	31.6	389	69.0
29	Bretonne Pie Noire	133	287	2,805	123	44.0	92	32.8	215	76.8
18	Ayrshire	102	349	8,342	405	48.6	259	31.0	664	79.6
65	Ferrandaise	86	272	3,437	126	36.7	109	31.7	235	68.4
14	Aubrac	56	272	3,423	138	40.3	117	34.2	255	74.5
69	Froment du Léon	50	286	3,415	150	43.9	112	32.7	261	76.6
53	Villard de Lans	40	291	4,067	168	41.2	131	32.1	298	73.3
20	Buffle	30	253	2,102	153	73.0	92	43.8	245	116.8
	Other breeds	83	303	6,327	254	40.1	207	32.7	460	72.8
	Overall total	2,128,972	356	10,193	409	40.1	332	32.6	740	72.6



Prim'Holstein

Normande

Montbéliarde

Other breeds



2.4 - Adult 305-day adjusted lactations - all lactations

French breed code	Breed	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Protein % [*] g/kg
66	Prim'Holstein	1,530,356	9,048	356	39.4	285	31.5	33.1
46	Montbéliarde	422,238	7,286	281	38.5	239	32.8	34.5
56	Normande	180,062	6,669	279	41.9	229	34.3	36.1
39	Crossbred	113,605	7,544	300	39.8	242	32.1	33.8
12	Abondance	24,184	5,619	203	36.1	184	32.7	34.4
21	Brune	16,402	7,153	297	41.5	242	33.8	35.6
35	Simmental Française	15,796	6,554	262	39.9	219	33.4	35.2
15	Jersiaise	9,479	5,000	275	55.0	190	38.0	40.0
19	Pie Rouge des Plaines	9,413	7,875	333	42.3	260	33.0	34.8
31	Tarentaise	8,602	4,561	167	36.7	147	32.2	33.9
57	Vosgienne	1,413	4,132	153	37.0	129	31.2	32.8
23	Salers	1,152	2,389	81	33.9	77	32.2	33.9
63	Rouge Flamande	838	5,863	231	39.4	189	32.3	34.0
52	Bleue du Nord	547	4,963	184	37.1	155	31.3	33.0
29	Bretonne Pie Noire	176	2,346	102	43.4	76	32.5	34.2
14	Aubrac	149	2,042	82	40.4	70	34.1	35.9
18	Ayrshire	113	7,086	346	48.8	217	30.6	32.2
65	Ferrandaise	109	3,003	110	36.6	95	31.6	33.3
69	Froment du Léon	76	2,597	114	43.8	84	32.5	34.2
53	Villard de Lans	54	3,289	134	40.9	105	32.1	33.7
20	Buffle	44	1,641	118	71.6	72	43.8	46.1
	Other breeds	111	5,136	204	39.7	166	32.3	34.0
	Overall Total	2,334,919	8,359	330	39.5	267	31.9	33.6

*Protein % = Nitrogen %

Comment:

In order to adjust to adult level, a multiplying factor depending on the parity is applied to milk and contents:

- If the parity is 1, the multiplying factor is 1.30,
- If the parity is 2, the multiplying factor is 1.12,
- If the parity is 3, the multiplying factor is 1.03,
- If the parity is 4 and over, the multiplying factor is 1.



2.5 - Number of pure-bred herds per breed

Breed	Number of herds	Number of lactations	Pure-bred herds ¹		Lactations of pure-bred herds ¹	
			<i>Nb</i>	%	<i>Nb</i>	%
Prim'Holstein	28,477	1,530,356	20,519	72.1	1,318,185	86.1
Montbéliarde	12,317	422,238	6,137	49.8	343,133	81.3
Normande	6,513	180,062	1,758	27.0	106,421	59.1
Abondance	1,184	24,184	376	31.8	14,862	61.5
Brune	1,558	16,402	136	8.7	6,956	42.4
Simmental Française	849	15,796	190	22.4	10,544	66.8
Jersiaise	812	9,479	76	9.4	4,303	45.4
Pie Rouge des Plaines	953	9,413	64	6.7	3,459	36.7
Tarentaise	459	8,602	112	24.4	5,563	64.7
Vosgienne	201	1,413	36	17.9	873	61.8
Salers	33	1,152	28	84.8	1,123	97.5
Rouge Flamande	94	838	8	8.5	305	36.4
Bleue du Nord	46	547	3	6.5	133	24.3
Bretonne Pie Noire	20	176	8	40.0	134	76.1
Ferrandaise	10	109	3	30.0	87	79.8

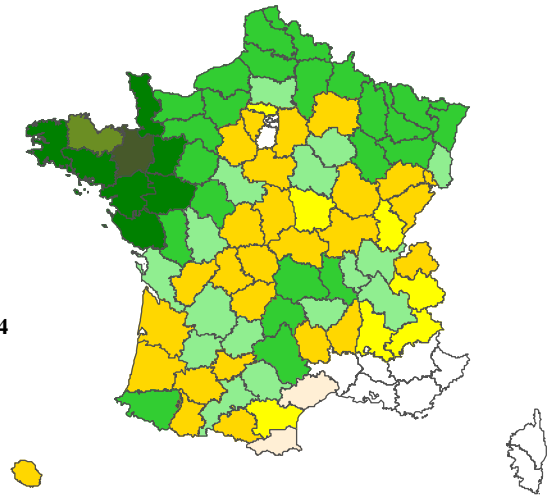
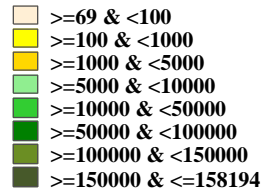
¹ Results corresponding to the pure-bred animals (qualified lactations) located in pure-bred herds. A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same French breed code.



2.6 - Detailed results per breed

Breed PRIM'HOLSTEIN
(French breed code : 66)

Geographical distribution of qualified lactations of Prim'Holstein breed ¹

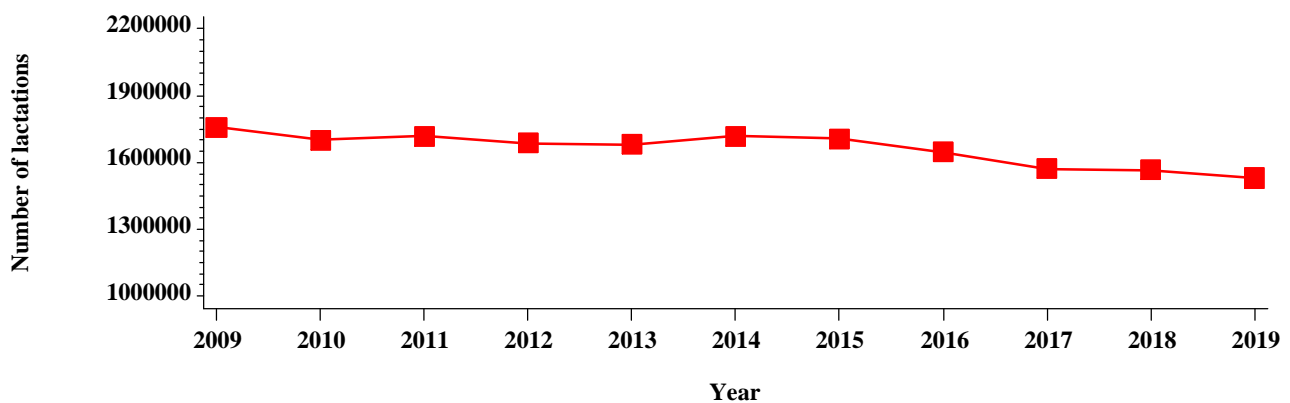


¹ Only local areas that count up more than 40 lactations for Prim'Holstein breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	554,388	29	346	8,373	333	39.7	270	32.3	603	72.0	
2nd lactation	414,837	43	348	9,659	389	40.2	313	32.4	701	72.6	418
3rd lactation	280,914	56	342	9,917	399	40.3	317	32.0	717	72.3	422
4th lactation	160,482	70	338	9,829	395	40.2	312	31.7	706	71.9	424
5th lactation	76,381	83	332	9,516	379	39.9	299	31.4	678	71.3	426
6th lactation	29,107	96	325	9,004	357	39.6	281	31.2	637	70.8	428
7th lactation	9,815	110	321	8,540	337	39.5	265	31.0	602	70.5	429
Lactation 8 and over	4,432	128	313	7,846	310	39.5	241	30.8	551	70.3	436
All lactations	1,530,356		344	9,226	369	40.0	296	32.1	666	72.1	421

Evolution of the number of qualified lactations for Prim'Holstein breed

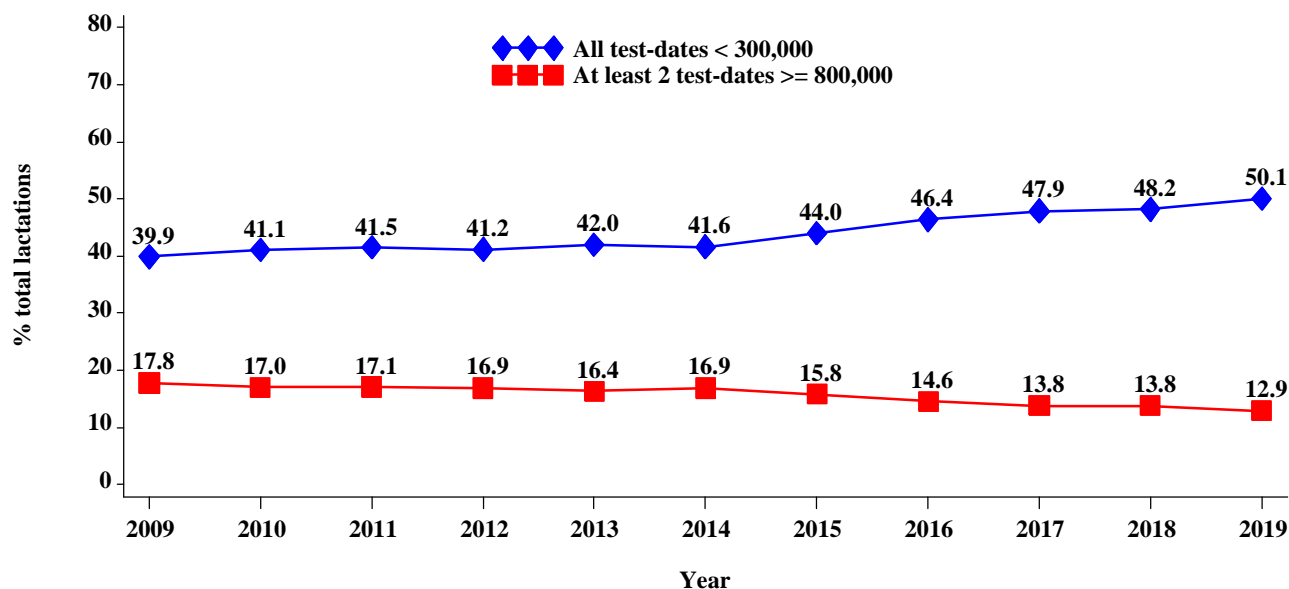


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<6000 kg	887	4.3	23,540	1.8	5,201	39.3	30.8	276	4,722	428
>=6000 & <7000 kg	1,072	5.2	49,286	3.7	6,595	39.8	31.3	309	5,885	423
>=7000 & <8000 kg	2,377	11.6	131,701	10.0	7,588	40.1	31.6	324	6,714	420
>=8000 & <9000 kg	4,561	22.2	300,480	22.8	8,560	40.2	31.9	334	7,514	418
>=9000 & <10000 kg	5,677	27.7	399,104	30.3	9,485	40.2	32.2	344	8,225	418
>=10000 & <11000 kg	3,904	19.0	282,860	21.5	10,438	40.1	32.3	357	8,898	420
>=11000 & <12000 kg	1,545	7.5	103,471	7.8	11,397	39.7	32.5	373	9,517	425
>=12000 kg	496	2.4	27,743	2.1	12,604	39.5	32.5	396	10,176	435
Overall total	20,519	100	1,318,185	100	9,320	40.1	32.1	343	8,049	420

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	313,034	17.8	701,649	39.9	743,711	42.3	1,758,394
2010	289,018	17.0	698,642	41.1	712,384	41.9	1,700,044
2011	294,565	17.1	712,475	41.5	711,087	41.4	1,718,127
2012	285,689	16.9	695,010	41.2	707,031	41.9	1,687,730
2013	274,954	16.4	706,619	42.0	699,763	41.6	1,681,336
2014	290,442	16.9	714,670	41.6	713,478	41.5	1,718,590
2015	269,616	15.8	751,400	44.0	685,404	40.2	1,706,420
2016	240,783	14.6	765,007	46.4	641,916	39.0	1,647,706
2017	217,559	13.8	753,255	47.9	601,800	38.3	1,572,614
2018	216,692	13.8	755,338	48.2	593,467	37.9	1,565,497
2019	197,384	12.9	767,182	50.1	565,790	37.0	1,530,356



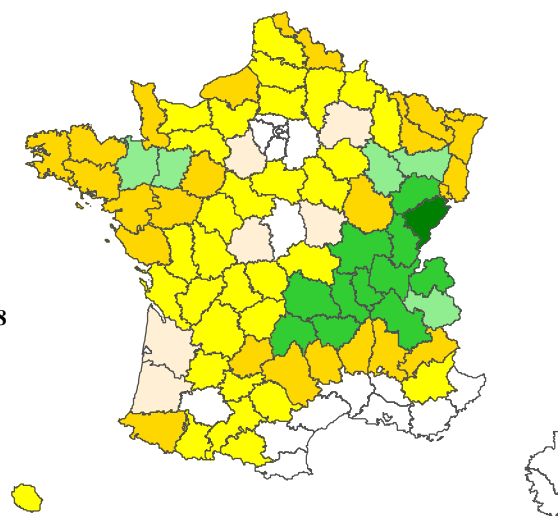
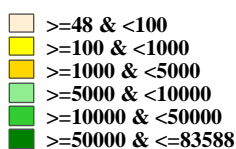
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed MONTBÉLIARDE
(French breed code : 46)

Geographical distribution of qualified lactations of Montbéliarde breed ¹

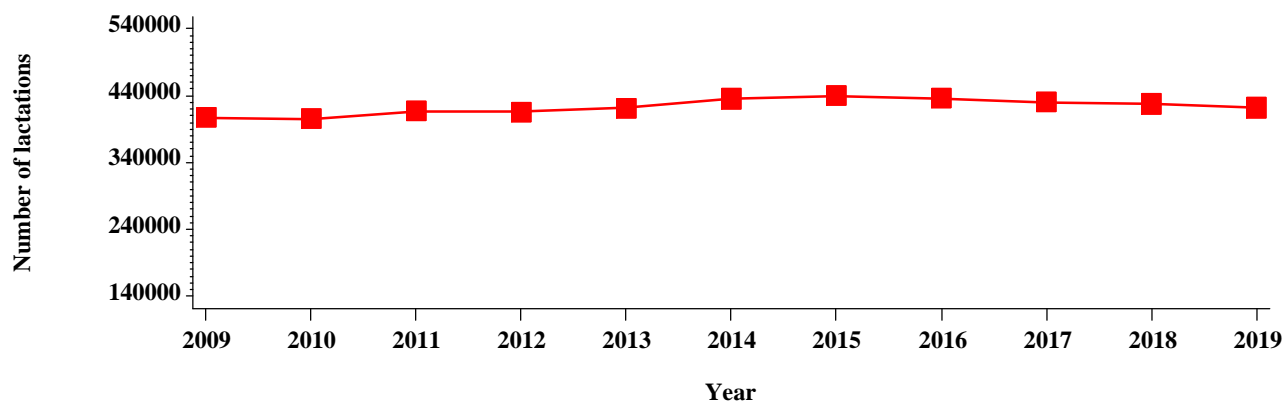


¹ Only local areas that count up more than 40 lactations for Montbéliarde breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	127,973	33	318	6,520	255	39.1	218	33.4	473	72.5	
2nd lactation	94,586	46	319	7,419	290	39.1	249	33.5	539	72.6	403
3rd lactation	74,599	59	314	7,650	299	39.0	254	33.1	552	72.2	399
4th lactation	51,948	72	310	7,626	296	38.8	250	32.8	546	71.7	398
5th lactation	34,092	85	306	7,443	288	38.6	242	32.6	530	71.2	400
6th lactation	20,051	97	298	7,129	274	38.4	231	32.3	504	70.7	401
7th lactation	10,800	110	288	6,694	255	38.1	215	32.1	470	70.1	401
Lactation 8 and over	8,189	130	277	6,079	230	37.8	193	31.7	423	69.5	405
All lactations	422,238		313	7,157	279	38.9	237	33.1	516	72.1	401

Evolution of the number of qualified lactations for Montbéliarde breed

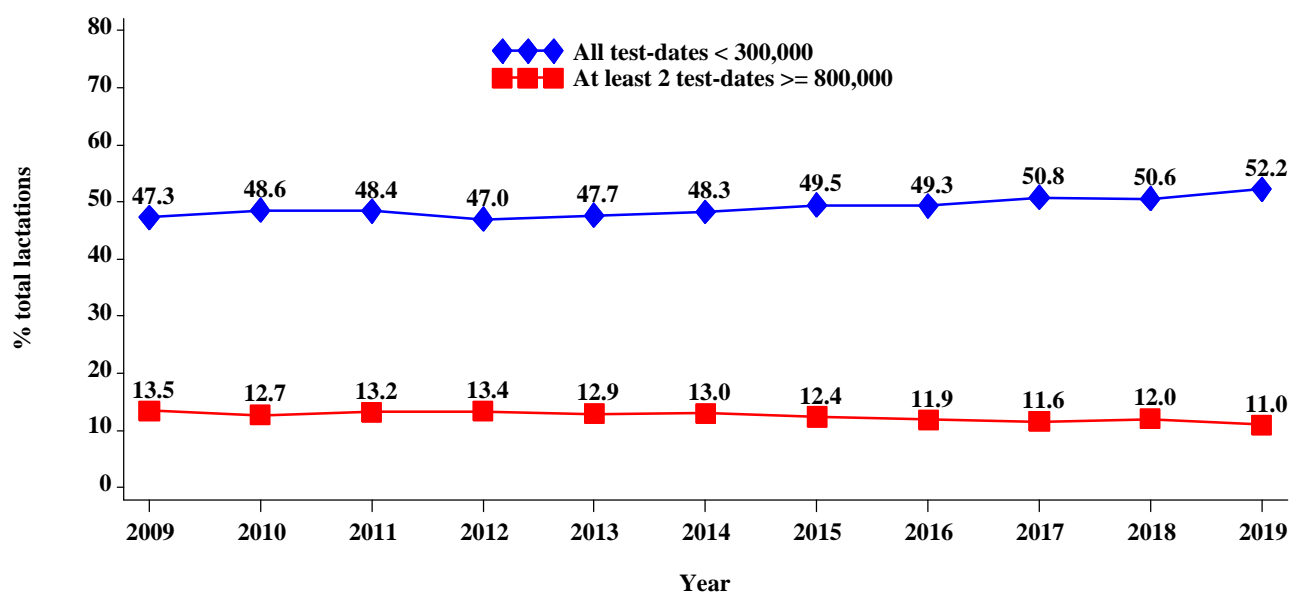


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<4000 kg	149	2.4	3,395	1.0	3,507	38.3	31.7	242	3,325	415
>=4000 & <5000 kg	289	4.7	10,630	3.1	4,614	38.2	31.9	293	4,300	407
>=5000 & <6000 kg	871	14.2	40,899	11.9	5,615	38.1	32.3	298	5,226	402
>=6000 & <7000 kg	1,872	30.5	100,709	29.3	6,535	38.1	32.7	305	6,072	397
>=7000 & <8000 kg	1,751	28.5	104,734	30.5	7,467	38.8	33.2	315	6,845	399
>=8000 & <9000 kg	854	13.9	56,085	16.3	8,431	39.5	33.7	326	7,595	400
>=9000 & <10000 kg	283	4.6	21,072	6.1	9,386	39.6	34.0	335	8,350	402
>=10000 kg	68	1.1	5,609	1.6	10,422	39.4	34.1	350	9,051	404
Overall total	6,137	100	343,133	100	7,169	38.7	33.1	312	6,563	400

Evolution of somatic cells count distribution

Year	Lactations with						Overall total
	At least 2 test-dates with cell count >= 800,000		All test-dates with cell count < 300,000		Intermediate somatic cell counts		
	Nb	%	Nb	%	Nb	%	
2009	55,104	13.5	192,483	47.3	159,636	39.2	407,223
2010	51,646	12.7	197,157	48.6	156,506	38.6	405,309
2011	55,007	13.2	201,988	48.4	160,210	38.4	417,205
2012	55,835	13.4	195,234	47.0	164,483	39.6	415,552
2013	54,212	12.9	200,801	47.7	166,117	39.4	421,130
2014	56,438	13.0	210,389	48.3	168,711	38.7	435,538
2015	54,706	12.4	217,527	49.5	167,376	38.1	439,609
2016	52,027	11.9	214,864	49.3	169,216	38.8	436,107
2017	49,908	11.6	218,636	50.8	161,642	37.6	430,186
2018	51,306	12.0	216,419	50.6	160,023	37.4	427,748
2019	46,531	11.0	220,250	52.2	155,457	36.8	422,238



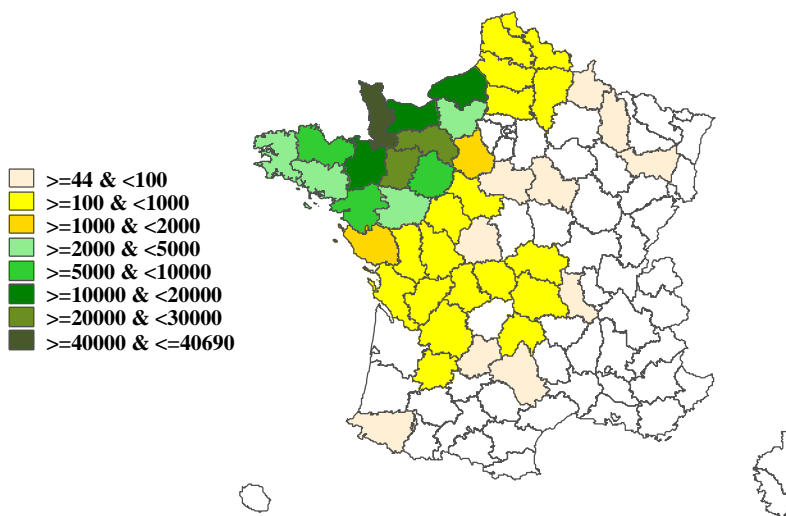
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed NORMANDE
(French breed code : 56)

Geographical distribution of qualified lactations of Normande breed ¹

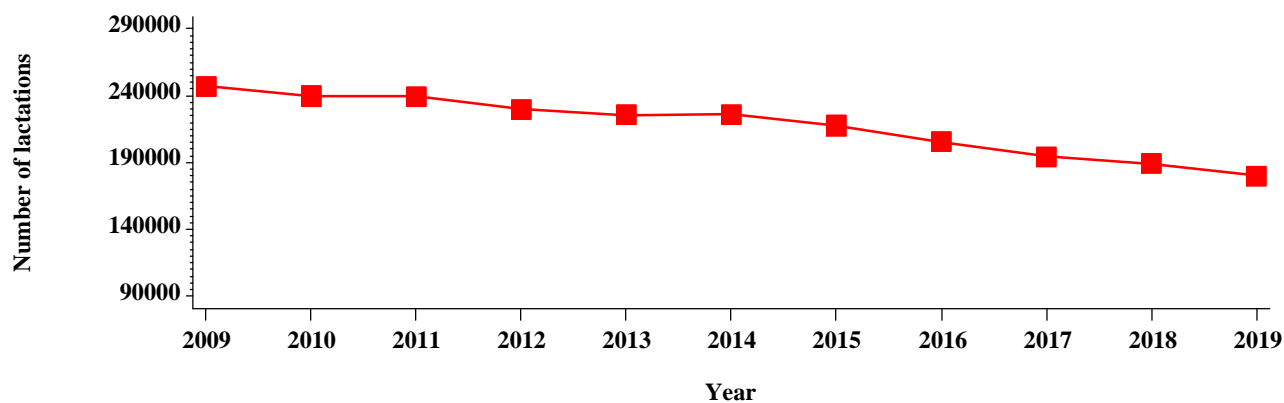


¹Only local areas that count up more than 40 lactations for Normande breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	62,901	32	340	6,217	265	42.6	216	34.8	481	77.3	
2nd lactation	46,914	46	330	6,765	290	42.9	239	35.3	529	78.2	410
3rd lactation	33,174	59	324	7,067	300	42.4	245	34.7	545	77.1	406
4th lactation	19,632	72	318	7,000	295	42.1	241	34.4	535	76.5	406
5th lactation	10,190	85	313	6,824	285	41.7	233	34.2	518	75.9	406
6th lactation	4,606	97	307	6,531	270	41.3	221	33.9	491	75.2	406
7th lactation	1,693	110	303	6,283	257	41.0	212	33.8	470	74.8	406
Lactation 8 and over	952	127	301	5,886	241	40.9	198	33.7	439	74.6	409
All lactations	180,062		329	6,643	282	42.5	231	34.8	513	77.2	407

Evolution of the number of qualified lactations for Normande breed

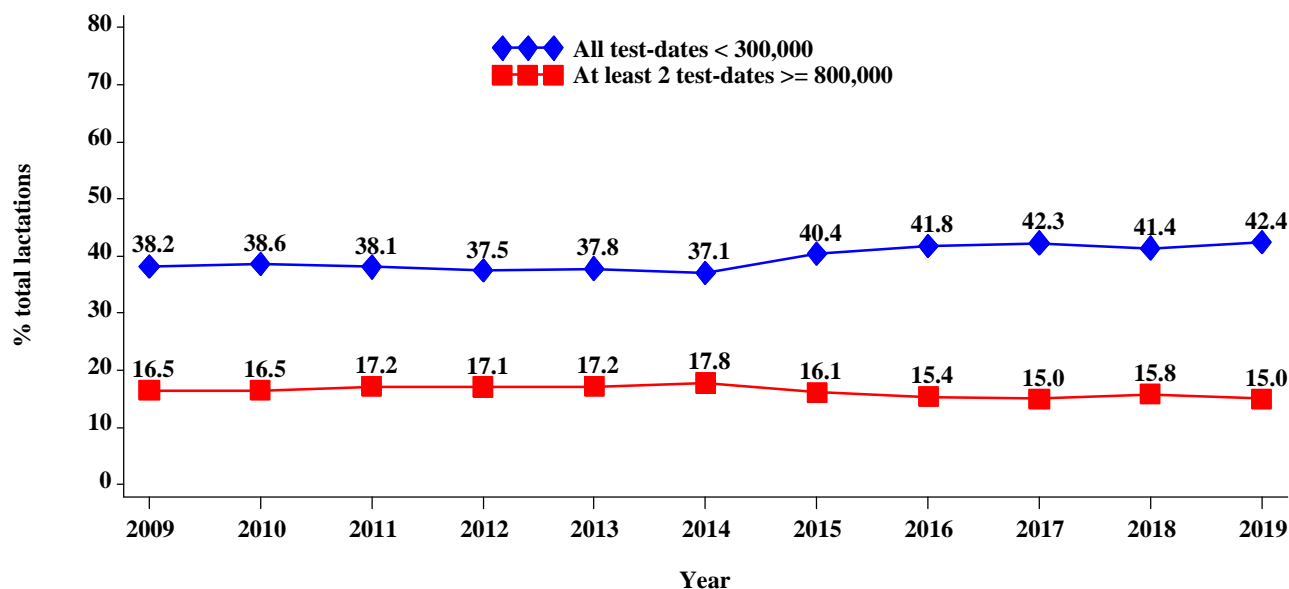


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<4000 kg	62	3.5	1,369	1.3	3,423	40.7	33.1	252	3,185	406
>=4000 & <5000 kg	91	5.2	4,588	4.3	4,622	40.9	33.5	306	4,207	408
>=5000 & <6000 kg	245	13.9	12,930	12.1	5,609	41.8	34.3	318	5,068	408
>=6000 & <7000 kg	632	35.9	40,149	37.7	6,564	42.5	34.8	329	5,860	405
>=7000 & <8000 kg	537	30.5	35,623	33.5	7,411	42.7	35.2	342	6,509	407
>=8000 & <9000 kg	169	9.6	10,765	10.1	8,363	42.9	35.3	364	7,097	413
>=9000 kg	22	1.3	997	0.9	9,205	43.3	35.5	416	7,283	415
Overall total	1,758	100	106,421	100	6,814	42.5	34.9	334	6,014	407

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	40,910	16.5	94,377	38.2	111,913	45.3	247,200
2010	39,487	16.5	92,403	38.6	107,776	45.0	239,666
2011	41,073	17.2	91,153	38.1	107,241	44.8	239,467
2012	39,190	17.1	86,034	37.5	104,411	45.5	229,635
2013	38,783	17.2	85,320	37.8	101,610	45.0	225,713
2014	40,199	17.8	83,808	37.1	101,829	45.1	225,836
2015	35,063	16.1	87,997	40.4	94,582	43.5	217,642
2016	31,645	15.4	86,004	41.8	87,951	42.8	205,600
2017	29,224	15.0	82,259	42.3	83,041	42.7	194,524
2018	29,850	15.8	78,191	41.4	80,998	42.8	189,039
2019	27,006	15.0	76,328	42.4	76,728	42.6	180,062



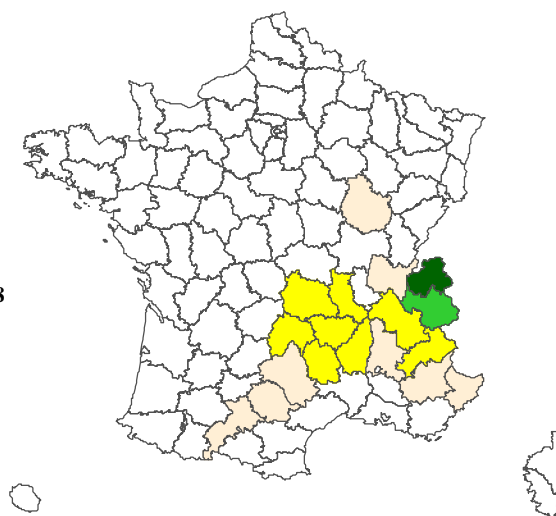
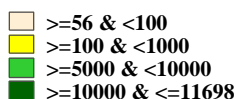
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed ABONDANCE
(French breed code : 12)

Geographical distribution of qualified lactations of Abondance breed ¹

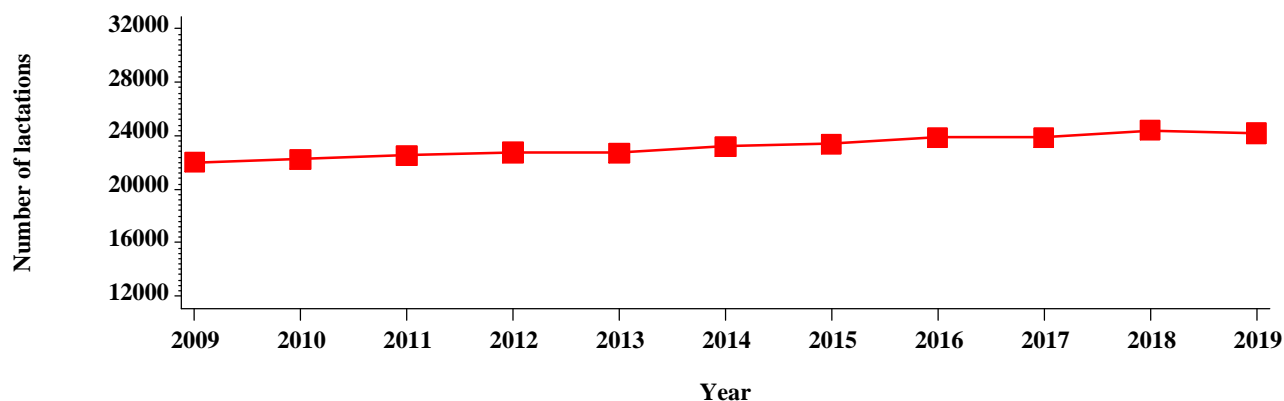


¹ Only local areas that count up more than 40 lactations for Abondance breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	6,594	37	294	4,712	173	36.7	157	33.3	330	70.0	
2nd lactation	5,110	49	297	5,483	198	36.2	181	33.1	380	69.2	403
3rd lactation	4,069	63	298	5,821	210	36.1	191	32.9	401	69.0	404
4th lactation	2,971	76	297	5,903	214	36.3	194	32.8	408	69.1	402
5th lactation	2,122	89	294	5,809	212	36.5	190	32.7	402	69.2	409
6th lactation	1,402	101	297	5,748	210	36.5	189	32.8	399	69.4	411
7th lactation	929	113	283	5,407	198	36.6	177	32.7	375	69.3	411
Lactation 8 and over	987	136	283	5,130	188	36.6	168	32.7	356	69.3	427
All lactations	24,184		295	5,408	197	36.4	178	33.0	375	69.4	406

Evolution of the number of qualified lactations for Abondance breed

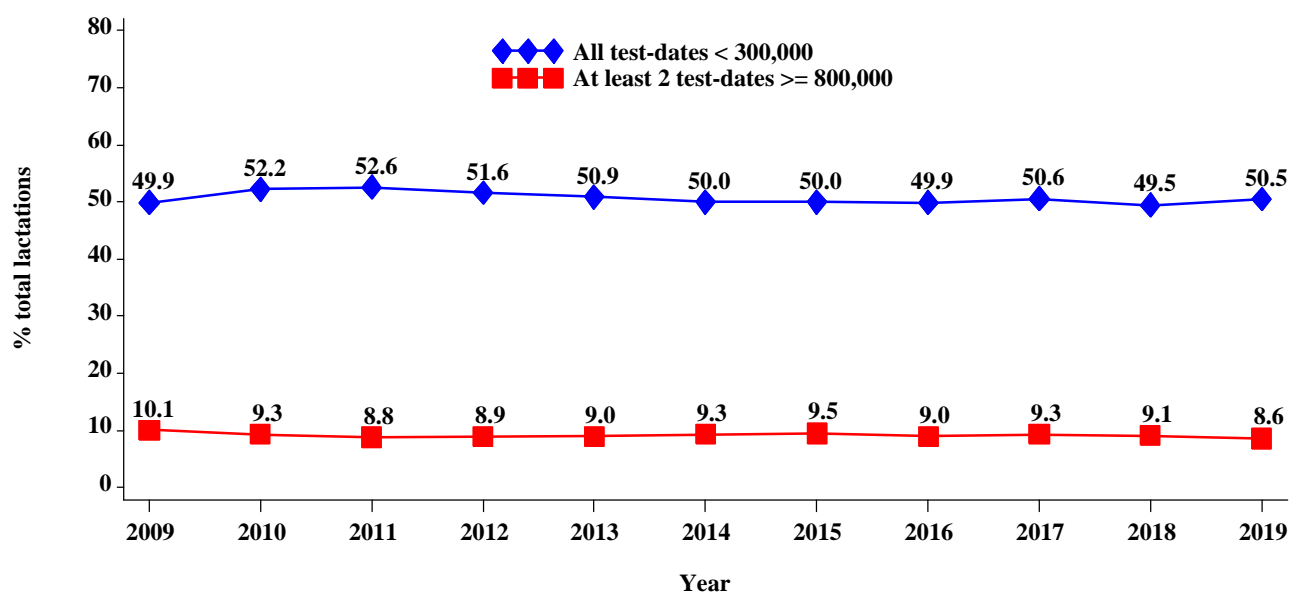


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<4000 kg	38	10.1	1,288	8.7	3,490	36.4	32.3	244	3,391	440
>=4000 & <5000 kg	89	23.7	3,018	20.3	4,651	36.4	32.3	285	4,450	404
>=5000 & <6000 kg	154	41.0	6,157	41.4	5,504	36.4	32.9	297	5,195	404
>=6000 & <7000 kg	73	19.4	3,352	22.6	6,380	36.2	33.2	304	6,019	402
>=7000 kg	22	5.9	1,047	7.0	7,370	35.9	33.5	317	6,861	402
Overall total	376	100	14,862	100	5,485	36.3	32.9	293	5,191	406

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	2,226	10.1	10,992	49.9	8,813	40.0	22,031
2010	2,066	9.3	11,606	52.2	8,557	38.5	22,229
2011	1,973	8.8	11,858	52.6	8,696	38.6	22,527
2012	2,016	8.9	11,747	51.6	9,000	39.5	22,763
2013	2,053	9.0	11,559	50.9	9,116	40.1	22,728
2014	2,145	9.3	11,580	50.0	9,458	40.8	23,183
2015	2,213	9.5	11,698	50.0	9,501	40.6	23,412
2016	2,159	9.0	11,913	49.9	9,805	41.1	23,877
2017	2,208	9.3	12,083	50.6	9,572	40.1	23,863
2018	2,226	9.1	12,091	49.5	10,095	41.4	24,412
2019	2,081	8.6	12,217	50.5	9,886	40.9	24,184



¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



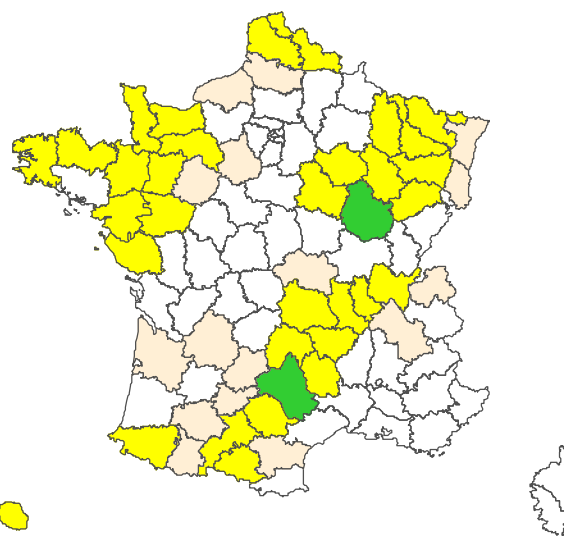
Detailed results per breed

Breed BRUNE
(French breed code : 21)

Geographical distribution of qualified lactations of Brune breed ¹



≥ 42 & < 100
 ≥ 100 & < 1000
 ≥ 2000 & ≤ 2878

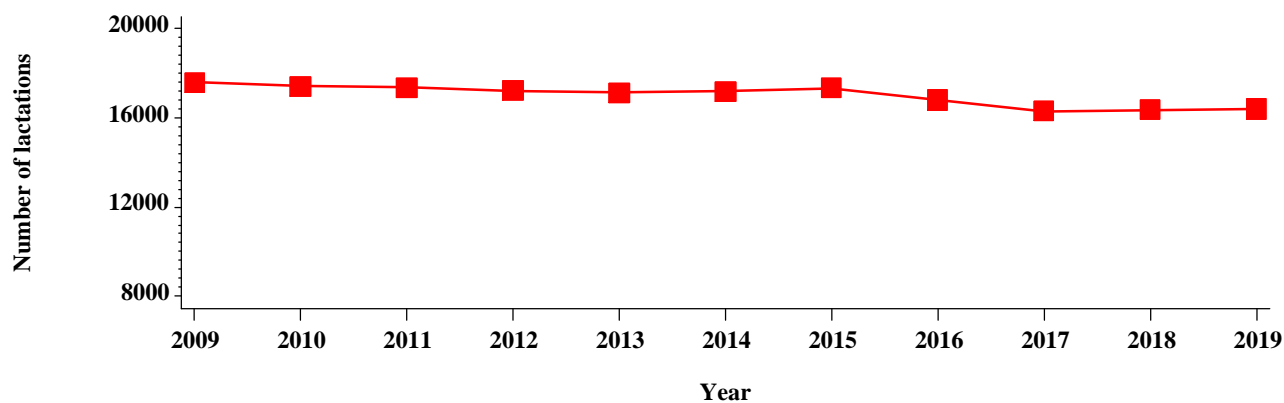


¹ Only local areas that count up more than 40 lactations for Brune breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	5,384	32	345	6,776	283	41.8	233	34.4	516	76.2	
2nd lactation	4,044	45	343	7,616	323	42.4	264	34.7	587	77.0	427
3rd lactation	2,839	59	337	7,836	332	42.3	270	34.4	601	76.8	427
4th lactation	1,839	73	341	7,823	330	42.1	268	34.2	597	76.4	425
5th lactation	1,203	86	338	7,733	325	42.1	262	33.9	587	75.9	431
6th lactation	643	100	337	7,468	313	41.9	251	33.7	565	75.6	430
7th lactation	272	112	314	6,837	282	41.2	228	33.3	510	74.5	417
Lactation 8 and over	178	135	322	6,566	271	41.3	221	33.6	492	74.9	454
All lactations	16,402		341	7,380	311	42.1	253	34.3	564	76.5	427

Evolution of the number of qualified lactations for Brune breed

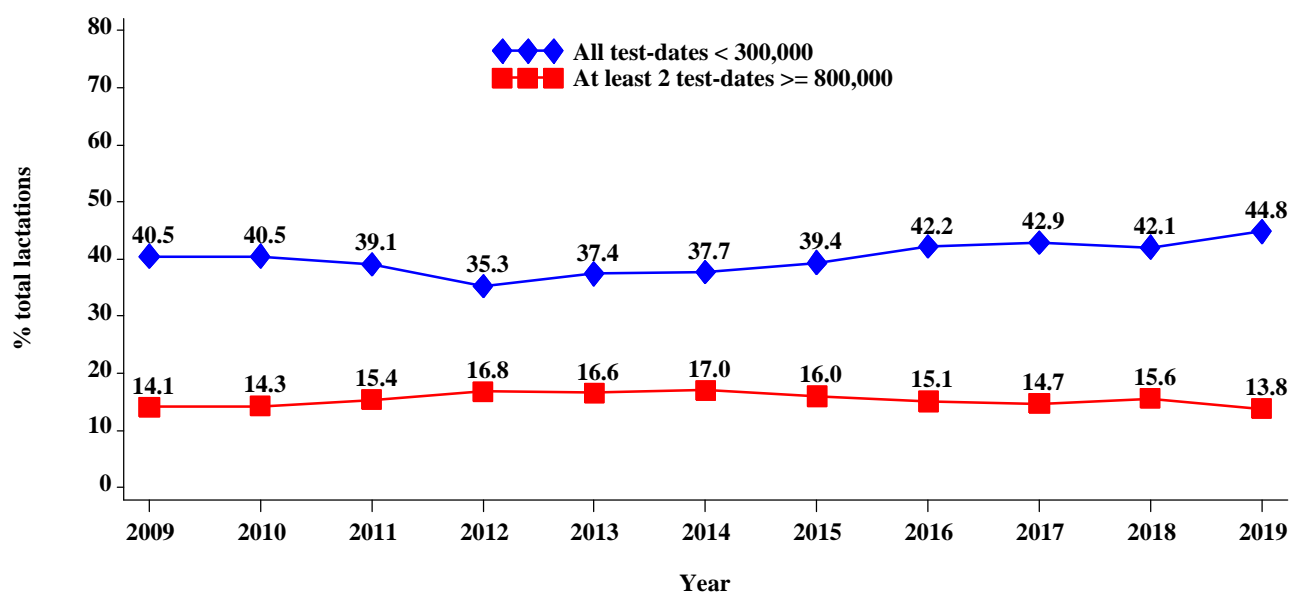


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<5000 kg	20	14.7	464	6.7	4,342	41.0	32.9	298	3,968	411
≥5000 & <6000 kg	15	11.0	559	8.0	5,546	41.0	33.1	340	4,863	423
≥6000 & <7000 kg	28	20.6	1,401	20.1	6,590	41.5	34.1	338	5,800	418
≥7000 & <8000 kg	36	26.5	2,053	29.5	7,561	42.4	34.4	344	6,560	423
≥8000 & <9000 kg	23	16.9	1,651	23.7	8,478	42.5	34.9	339	7,402	422
≥9000 & <10000 kg	7	5.1	470	6.8	9,422	41.2	34.9	363	7,804	438
≥10000 kg	7	5.1	358	5.1	10,495	41.4	35.3	390	8,357	443
Overall total	136	100	6,956	100	7,483	41.9	34.5	342	6,474	423

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count ≥ 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	2,490	14.1	7,128	40.5	7,988	45.4	17,606
2010	2,497	14.3	7,061	40.5	7,872	45.2	17,430
2011	2,679	15.4	6,783	39.1	7,893	45.5	17,355
2012	2,902	16.8	6,086	35.3	8,247	47.9	17,235
2013	2,853	16.6	6,413	37.4	7,872	45.9	17,138
2014	2,921	17.0	6,474	37.7	7,796	45.3	17,191
2015	2,782	16.0	6,831	39.4	7,731	44.6	17,344
2016	2,536	15.1	7,088	42.2	7,180	42.7	16,804
2017	2,396	14.7	6,999	42.9	6,911	42.4	16,306
2018	2,558	15.6	6,891	42.1	6,922	42.3	16,371
2019	2,269	13.8	7,348	44.8	6,785	41.4	16,402



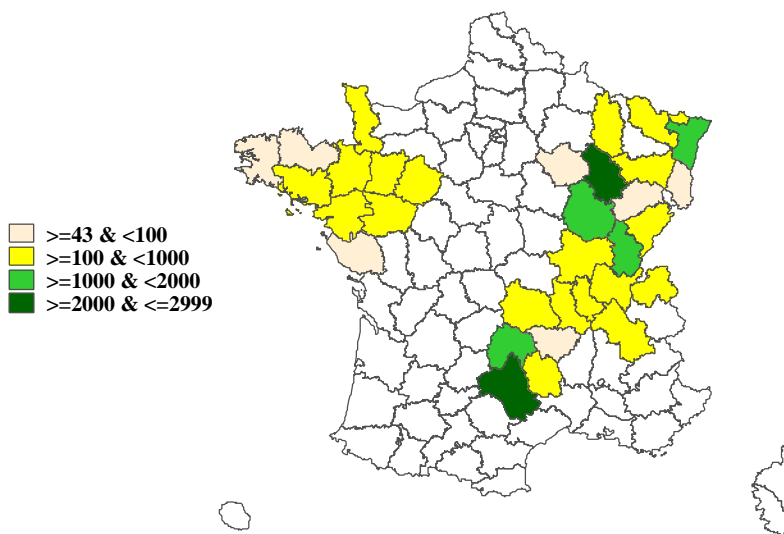
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed SIMMENTAL FRANÇAISE
(French breed code : 35)

Geographical distribution of qualified lactations of Simmental Française breed ¹

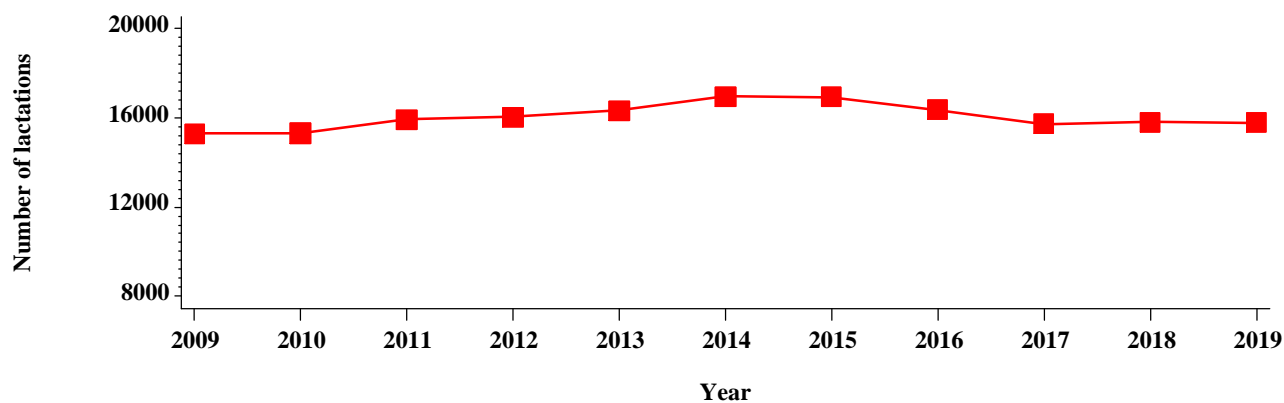


¹ Only local areas that count up more than 40 lactations for Simmental Française breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	4,782	34	313	5,829	237	40.7	198	34.0	435	74.7	
2nd lactation	3,810	47	312	6,575	266	40.5	224	34.1	490	74.6	398
3rd lactation	2,680	60	311	6,805	273	40.1	229	33.7	502	73.8	396
4th lactation	1,877	72	307	6,737	270	40.0	225	33.4	495	73.5	396
5th lactation	1,239	86	307	6,494	259	39.9	217	33.4	476	73.3	399
6th lactation	800	99	297	6,189	245	39.7	205	33.2	451	72.8	401
7th lactation	348	110	306	6,009	237	39.5	198	33.0	436	72.5	401
Lactation 8 and over	260	132	289	5,530	218	39.5	181	32.8	400	72.3	417
All lactations	15,796		310	6,352	256	40.3	214	33.8	470	74.0	398

Evolution of the number of qualified lactations for Simmental Française breed

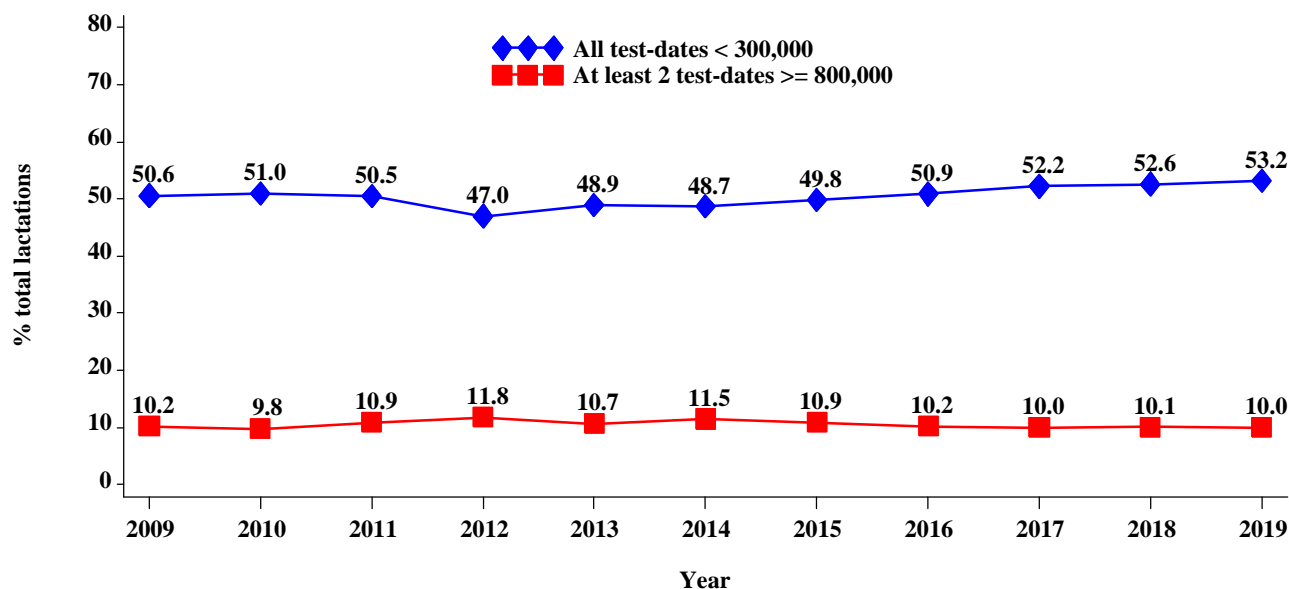


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<4000 kg	18	9.5	442	4.2	3,329	39.6	33.4	274	3,085	418
>=4000 & <5000 kg	21	11.1	911	8.6	4,561	39.1	33.3	306	4,247	403
>=5000 & <6000 kg	49	25.8	2,272	21.5	5,518	39.1	33.4	307	5,167	397
>=6000 & <7000 kg	54	28.4	3,408	32.3	6,533	39.9	33.9	314	6,023	398
>=7000 & <8000 kg	33	17.4	2,463	23.4	7,486	41.0	34.2	314	6,912	389
>=8000 kg	15	7.9	1,048	9.9	8,674	41.1	34.1	323	7,810	402
Overall total	190	100	10,544	100	6,445	40.2	33.9	311	5,947	398

Evolution of somatic cells count distribution

Year	Lactations with						Overall total
	At least 2 test-dates with cell count >= 800,000		All test-dates with cell count < 300,000		Intermediate somatic cell counts		
	Nb	%	Nb	%	Nb	%	
2009	1,556	10.2	7,751	50.6	6,001	39.2	15,308
2010	1,504	9.8	7,816	51.0	5,993	39.1	15,313
2011	1,740	10.9	8,045	50.5	6,137	38.5	15,922
2012	1,889	11.8	7,538	47.0	6,618	41.2	16,045
2013	1,756	10.7	7,993	48.9	6,586	40.3	16,335
2014	1,957	11.5	8,259	48.7	6,759	39.8	16,975
2015	1,845	10.9	8,434	49.8	6,659	39.3	16,938
2016	1,661	10.2	8,332	50.9	6,363	38.9	16,356
2017	1,572	10.0	8,215	52.2	5,947	37.8	15,734
2018	1,601	10.1	8,326	52.6	5,891	37.2	15,818
2019	1,574	10.0	8,401	53.2	5,821	36.9	15,796



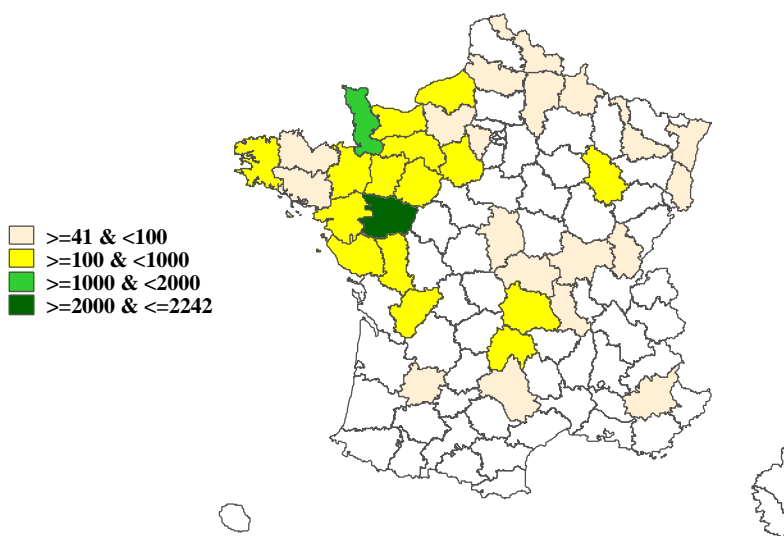
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed JERSIAISE
(French breed code : 15)

Geographical distribution of qualified lactations of Jersiaise breed ¹

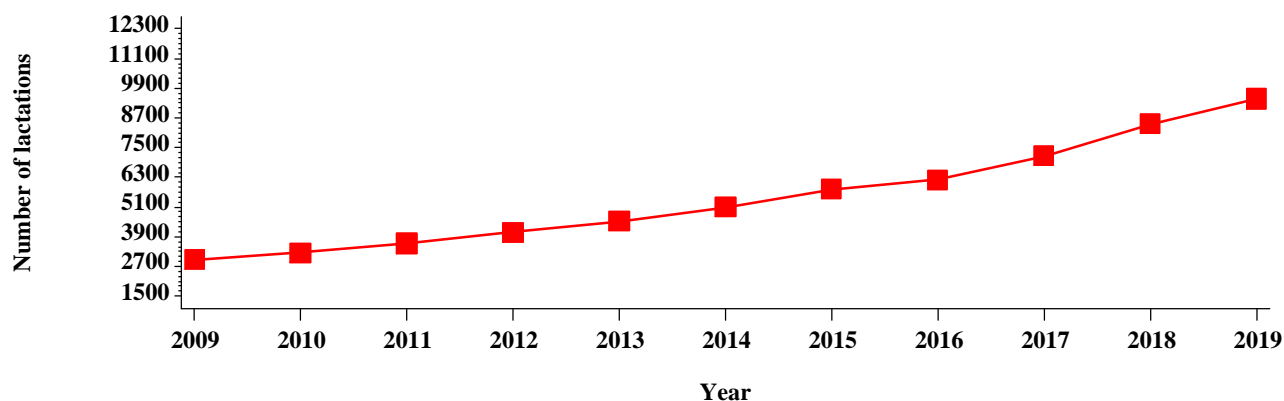


¹ Only local areas that count up more than 40 lactations for Jersiaise breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	2,934	27	335	4,604	253	54.8	175	38.0	428	92.9	
2nd lactation	2,365	40	328	5,027	285	56.8	197	39.3	483	96.0	416
3rd lactation	1,584	53	323	5,299	301	56.8	207	39.1	508	95.9	403
4th lactation	1,172	66	322	5,452	307	56.4	212	39.0	520	95.3	410
5th lactation	695	78	321	5,371	297	55.4	205	38.2	502	93.5	406
6th lactation	374	91	315	5,310	288	54.3	200	37.7	488	92.0	418
7th lactation	201	105	324	5,254	283	53.8	198	37.7	481	91.6	420
Lactation 8 and over	154	126	323	5,113	282	55.1	194	37.9	476	93.1	442
All lactations	9,479		328	5,037	281	55.9	195	38.6	476	94.5	412

Evolution of the number of qualified lactations for Jersiaise breed

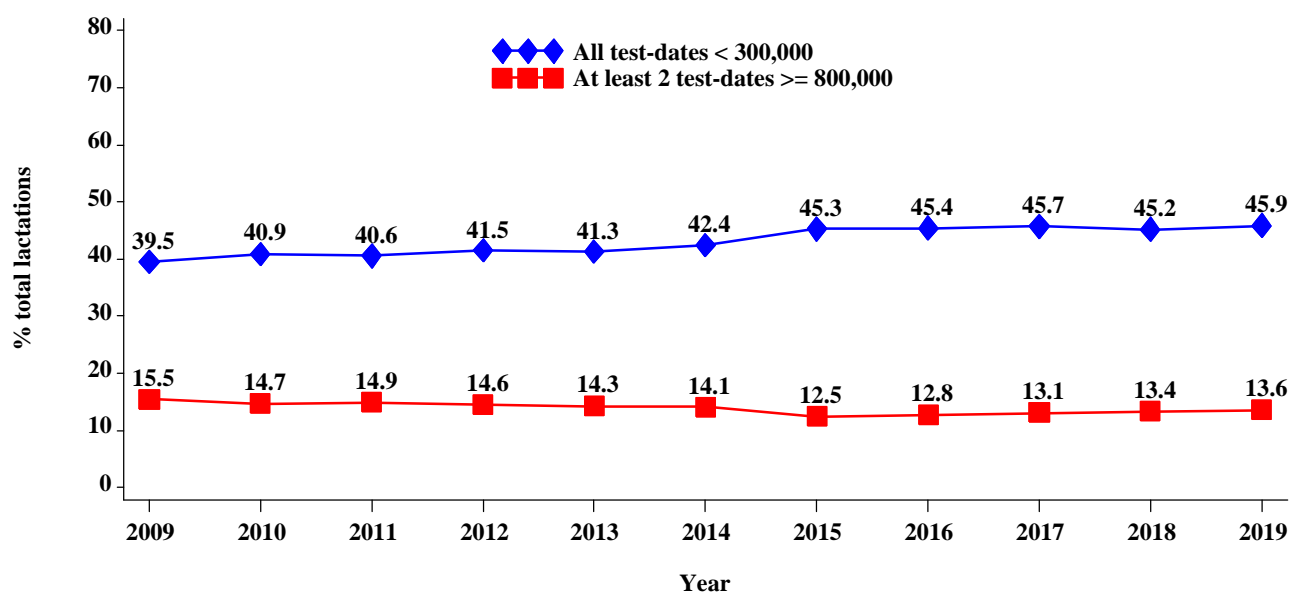


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<3000 kg	16	21.1	383	8.9	2,558	57.9	39.3	281	2,338	420
>=3000 & <4000 kg	12	15.8	501	11.6	3,734	55.4	38.2	325	3,251	415
>=4000 & <5000 kg	22	28.9	1,372	31.9	4,727	55.7	38.5	335	4,176	401
>=5000 & <6000 kg	16	21.1	1,214	28.2	5,432	56.1	39.2	324	4,893	407
>=6000 & <7000 kg	9	11.8	795	18.5	6,495	55.6	37.9	342	5,773	404
>=7000 kg	1	1.3	38	0.9	7,368	59.4	40.2	365	6,220	428
Overall total	76	100	4,303	100	4,967	55.9	38.6	328	4,420	407

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	460	15.5	1,172	39.5	1,338	45.1	2,970
2010	480	14.7	1,336	40.9	1,449	44.4	3,265
2011	541	14.9	1,475	40.6	1,621	44.6	3,637
2012	594	14.6	1,693	41.5	1,788	43.9	4,075
2013	646	14.3	1,871	41.3	2,012	44.4	4,529
2014	718	14.1	2,162	42.4	2,223	43.6	5,103
2015	726	12.5	2,641	45.3	2,462	42.2	5,829
2016	794	12.8	2,816	45.4	2,590	41.8	6,200
2017	938	13.1	3,276	45.7	2,960	41.3	7,174
2018	1,131	13.4	3,818	45.2	3,504	41.5	8,453
2019	1,290	13.6	4,351	45.9	3,838	40.5	9,479



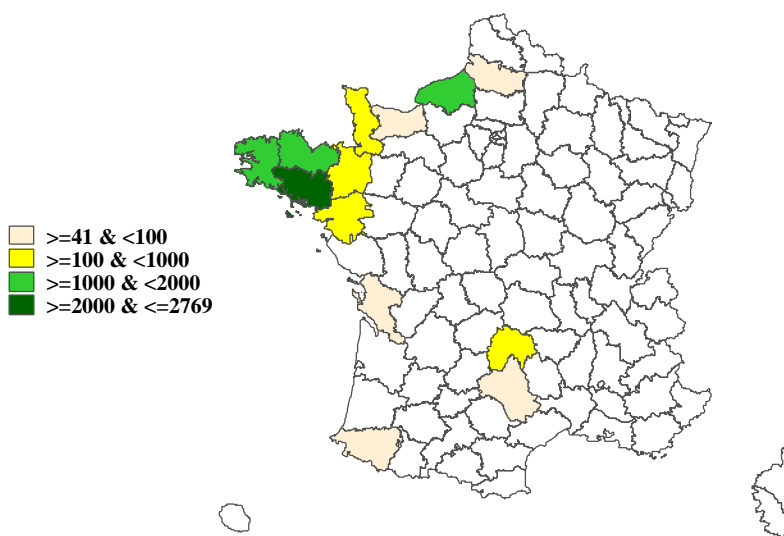
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed PIE ROUGE DES PLAINES
(French breed code : 19)

Geographical distribution of qualified lactations of Pie Rouge des Plaines breed ¹

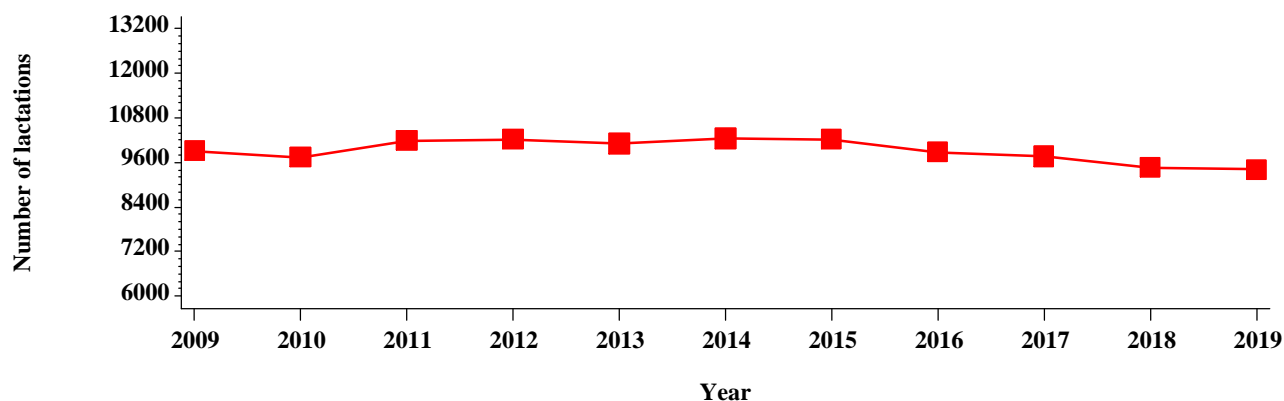


¹ Only local areas that count up more than 40 lactations for Pie Rouge des Plaines breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	2,959	30	332	6,870	292	42.5	232	33.8	524	76.3	
2nd lactation	2,335	43	335	8,136	351	43.2	277	34.1	628	77.2	408
3rd lactation	1,788	56	335	8,645	373	43.1	289	33.5	662	76.6	417
4th lactation	1,152	69	330	8,743	377	43.2	290	33.2	668	76.4	411
5th lactation	670	82	321	8,349	361	43.3	276	33.0	637	76.3	413
6th lactation	322	95	308	7,828	336	43.0	257	32.9	594	75.8	415
7th lactation	131	107	312	7,881	339	43.0	253	32.1	592	75.1	417
Lactation 8 and over	56	125	340	7,985	332	41.5	257	32.2	589	73.7	428
All lactations	9,413		331	7,909	340	43.0	266	33.6	606	76.6	412

Evolution of the number of qualified lactations for Pie Rouge des Plaines breed

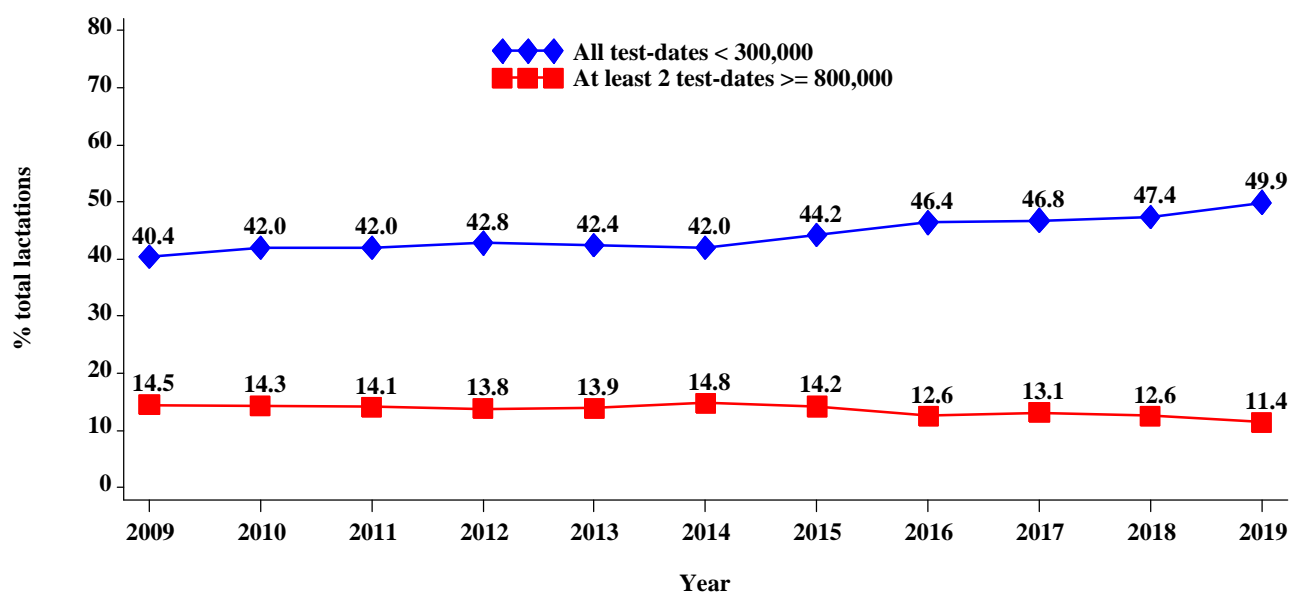


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<7000 kg	17	26.6	370	10.7	5,861	42.0	33.5	277	5,438	421
>=7000 & <8000 kg	18	28.1	1,115	32.2	7,498	43.0	33.5	327	6,757	408
>=8000 & <9000 kg	16	25.0	872	25.2	8,284	44.0	34.2	337	7,344	407
>=9000 & <10000 kg	7	10.9	727	21.0	9,463	42.1	34.0	334	8,444	411
>=10000 kg	6	9.4	375	10.8	10,279	44.4	34.9	360	8,888	424
Overall total	64	100	3,459	100	8,236	43.1	34.0	329	7,349	412

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	1,439	14.5	4,002	40.4	4,474	45.1	9,915
2010	1,390	14.3	4,094	42.0	4,253	43.7	9,737
2011	1,442	14.1	4,286	42.0	4,468	43.8	10,196
2012	1,412	13.8	4,378	42.8	4,431	43.4	10,221
2013	1,406	13.9	4,284	42.4	4,424	43.7	10,114
2014	1,516	14.8	4,301	42.0	4,432	43.2	10,249
2015	1,451	14.2	4,515	44.2	4,255	41.6	10,221
2016	1,250	12.6	4,587	46.4	4,045	40.9	9,882
2017	1,280	13.1	4,567	46.8	3,918	40.1	9,765
2018	1,193	12.6	4,487	47.4	3,793	40.0	9,473
2019	1,076	11.4	4,694	49.9	3,643	38.7	9,413



¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



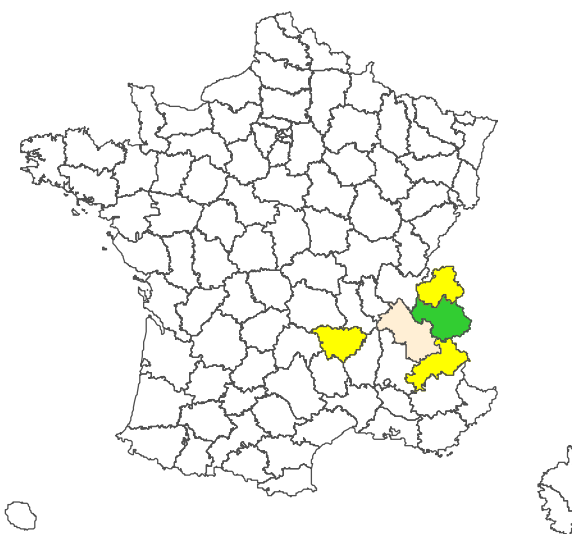
Detailed results per breed

Breed TARENDAISE
(French breed code : 31)

Geographical distribution of qualified lactations of Tarentaise breed ¹



≥ 80 & < 100
 ≥ 100 & < 500
 ≥ 5000 & ≤ 7441

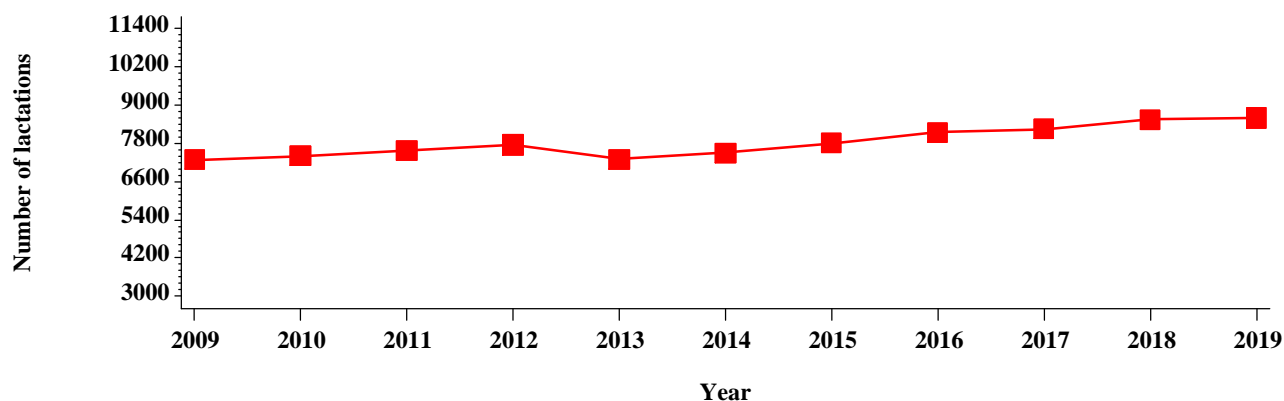


¹ Only local areas that count up more than 40 lactations for Tarentaise breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	2,425	36	285	3,895	147	37.6	128	32.7	274	70.4	
2nd lactation	1,972	49	278	4,232	155	36.7	138	32.6	293	69.2	405
3rd lactation	1,434	62	274	4,433	162	36.6	144	32.4	306	69.1	397
4th lactation	1,086	75	274	4,592	168	36.6	148	32.3	316	68.9	396
5th lactation	698	88	270	4,507	163	36.2	144	31.9	307	68.0	402
6th lactation	423	100	279	4,641	167	36.0	147	31.7	314	67.7	398
7th lactation	259	113	271	4,636	167	36.0	146	31.5	313	67.5	404
Lactation 8 and over	305	138	262	4,143	148	35.8	131	31.5	279	67.3	406
All lactations	8,602		277	4,267	157	36.8	138	32.4	295	69.1	401

Evolution of the number of qualified lactations for Tarentaise breed

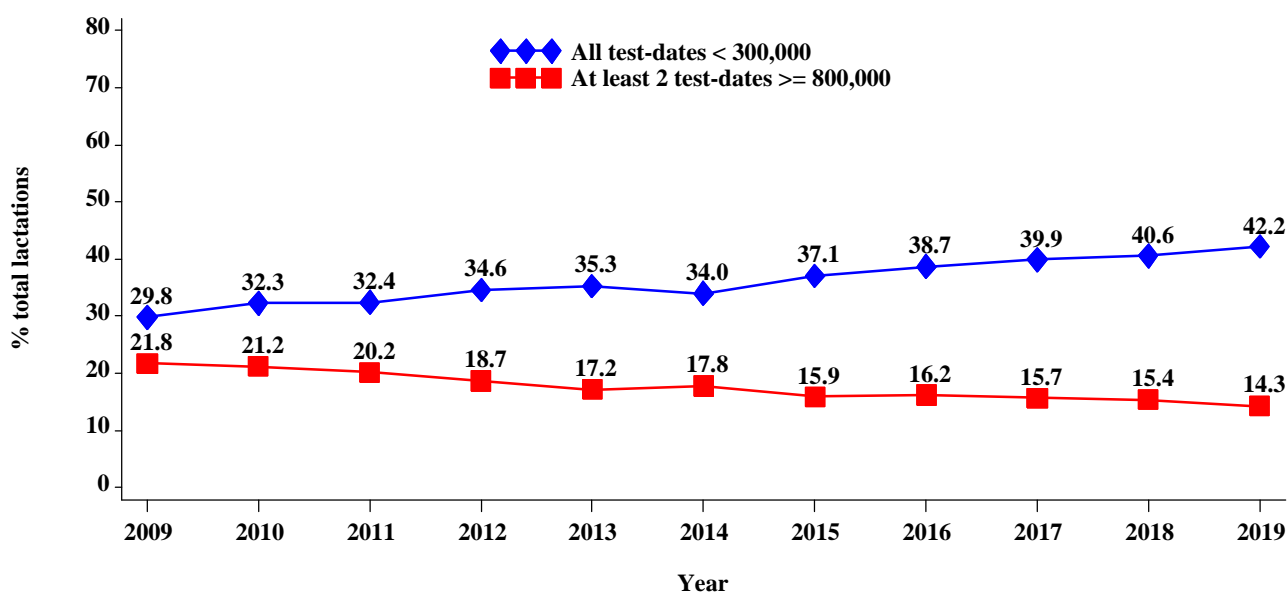


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<3000 kg	4	3.6	52	0.9	2,839	35.2	31.8	255	2,730	398
≥3000 & <4000 kg	20	17.9	1,114	20.0	3,633	36.8	31.9	260	3,545	398
≥4000 & <5000 kg	70	62.5	3,657	65.7	4,465	36.7	32.3	284	4,307	399
≥5000 kg	18	16.1	740	13.3	5,317	36.4	33.1	303	5,016	401
Overall total	112	100	5,563	100	4,397	36.7	32.4	281	4,234	399

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count ≥ 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	1,589	21.8	2,172	29.8	3,523	48.4	7,284
2010	1,570	21.2	2,393	32.3	3,438	46.5	7,401
2011	1,531	20.2	2,459	32.4	3,591	47.4	7,581
2012	1,429	18.7	2,648	34.6	3,583	46.8	7,660
2013	1,257	17.2	2,577	35.3	3,467	47.5	7,301
2014	1,338	17.8	2,553	34.0	3,619	48.2	7,510
2015	1,239	15.9	2,896	37.1	3,681	47.1	7,816
2016	1,319	16.2	3,154	38.7	3,667	45.0	8,140
2017	1,299	15.7	3,291	39.9	3,660	44.4	8,250
2018	1,313	15.4	3,471	40.6	3,764	44.0	8,548
2019	1,227	14.3	3,629	42.2	3,746	43.5	8,602



¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



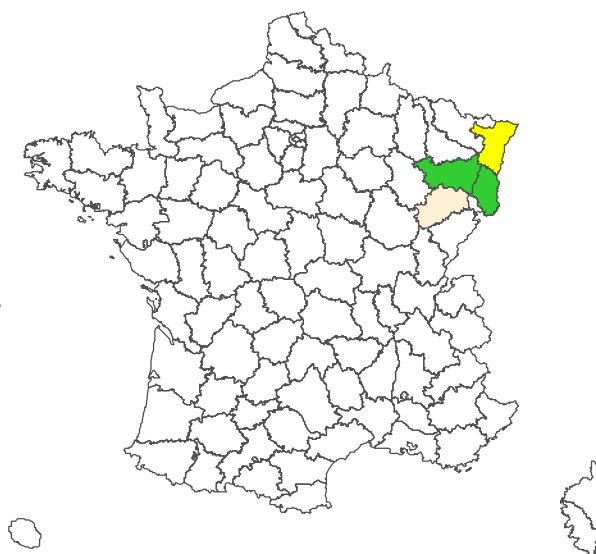
Detailed results per breed

Breed VOSGIENNE
(French breed code : 57)

Geographical distribution of qualified lactations of Vosgienne breed ¹



>=82 & <100
 >=100 & <500
 >=500 & <=614

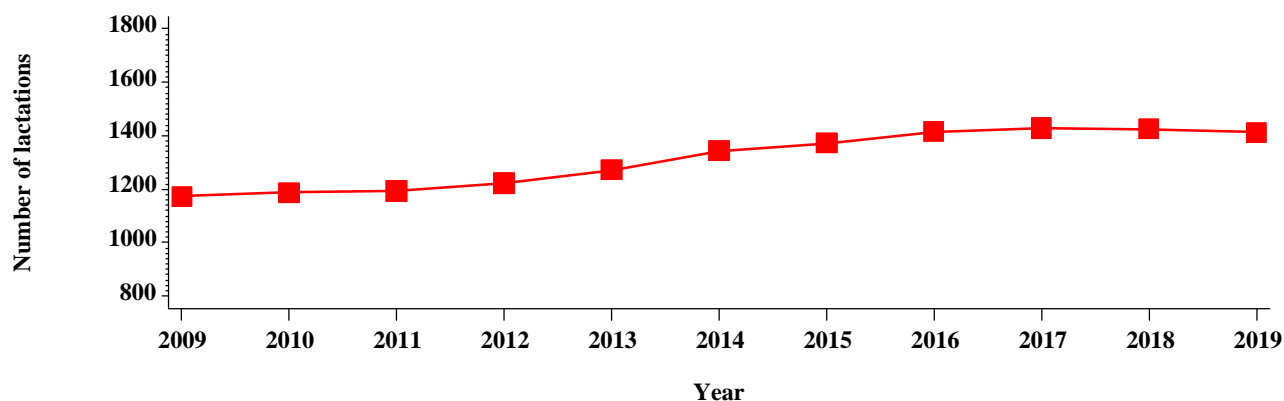


¹ Only local areas that count up more than 40 lactations for Vosgienne breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	416	37	273	3,243	123	37.8	103	31.9	226	69.6	
2nd lactation	286	49	280	3,881	145	37.4	122	31.5	267	68.9	399
3rd lactation	215	62	281	4,156	154	37.1	130	31.2	284	68.4	393
4th lactation	156	76	291	4,237	158	37.2	132	31.2	290	68.4	390
5th lactation	116	87	286	4,427	163	36.7	138	31.1	300	67.8	395
6th lactation	88	100	285	4,345	160	36.9	134	30.8	294	67.7	399
7th lactation	52	113	313	4,837	179	36.9	153	31.6	331	68.5	390
Lactation 8 and over	84	139	292	4,189	152	36.2	129	30.7	281	67.0	422
All lactations	1,413		282	3,901	145	37.2	122	31.4	268	68.6	397

Evolution of the number of qualified lactations for Vosgienne breed

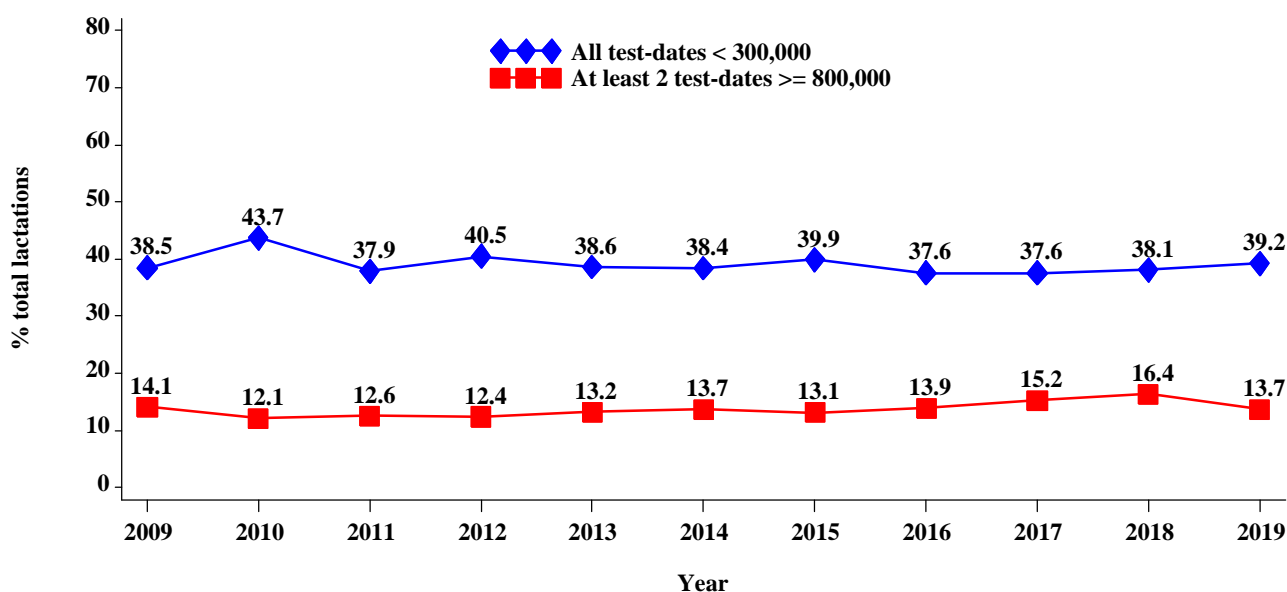


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
<3000 kg	3	8.3	60	6.9	1,893	37.9	31.5	228	1,823	405
≥3000 & <4000 kg	20	55.6	465	53.3	3,566	37.3	31.1	283	3,425	402
≥4000 & <5000 kg	12	33.3	323	37.0	4,440	36.5	31.6	292	4,300	380
≥5000 kg	1	2.8	25	2.9	5,257	37.3	31.2	292	5,045	393
Overall total	36	100	873	100	3,823	37.0	31.3	283	3,685	394

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count ≥ 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	165	14.1	452	38.5	556	47.4	1,173
2010	144	12.1	519	43.7	524	44.1	1,187
2011	151	12.6	452	37.9	591	49.5	1,194
2012	152	12.4	495	40.5	576	47.1	1,223
2013	168	13.2	491	38.6	613	48.2	1,272
2014	184	13.7	516	38.4	644	47.9	1,344
2015	180	13.1	548	39.9	644	46.9	1,372
2016	196	13.9	532	37.6	687	48.6	1,415
2017	217	15.2	537	37.6	675	47.2	1,429
2018	233	16.4	543	38.1	649	45.5	1,425
2019	194	13.7	554	39.2	665	47.1	1,413



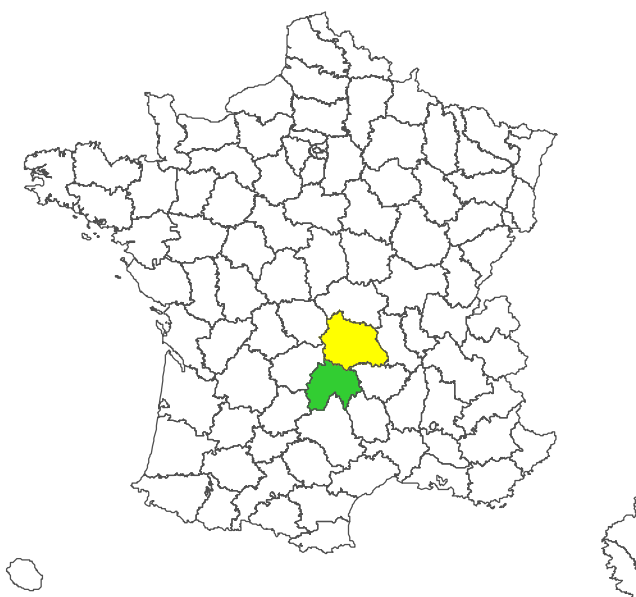
¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed SALERS
(French breed code : 23)

Geographical distribution of qualified lactations of Salers breed ¹

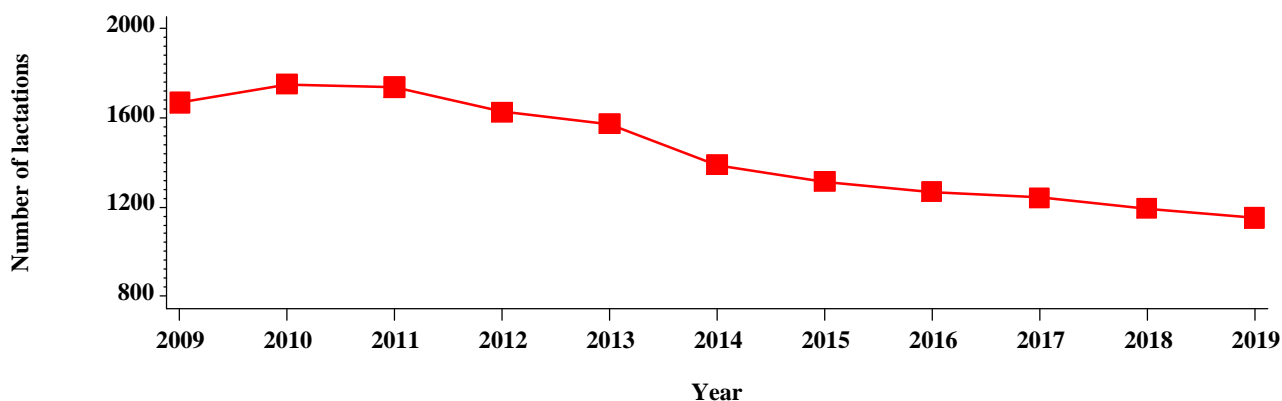


¹ Only local areas that count up more than 40 lactations for Salers breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	241	36	226	1,855	66	35.6	61	32.7	127	68.3	
2nd lactation	207	49	220	2,086	72	34.5	67	32.3	140	66.9	388
3rd lactation	146	61	219	2,246	76	33.7	72	32.1	148	65.8	388
4th lactation	121	73	230	2,478	83	33.4	79	32.0	162	65.5	369
5th lactation	115	84	228	2,554	86	33.8	82	32.1	168	65.8	385
6th lactation	85	96	222	2,446	79	32.2	78	31.9	157	64.1	392
7th lactation	84	109	220	2,293	76	33.1	74	32.3	150	65.4	378
Lactation 8 and over	153	137	213	2,352	76	32.4	75	31.7	151	64.2	397
All lactations	1,152		222	2,223	75	33.8	72	32.2	147	66.0	386

Evolution of the number of qualified lactations for Salers breed

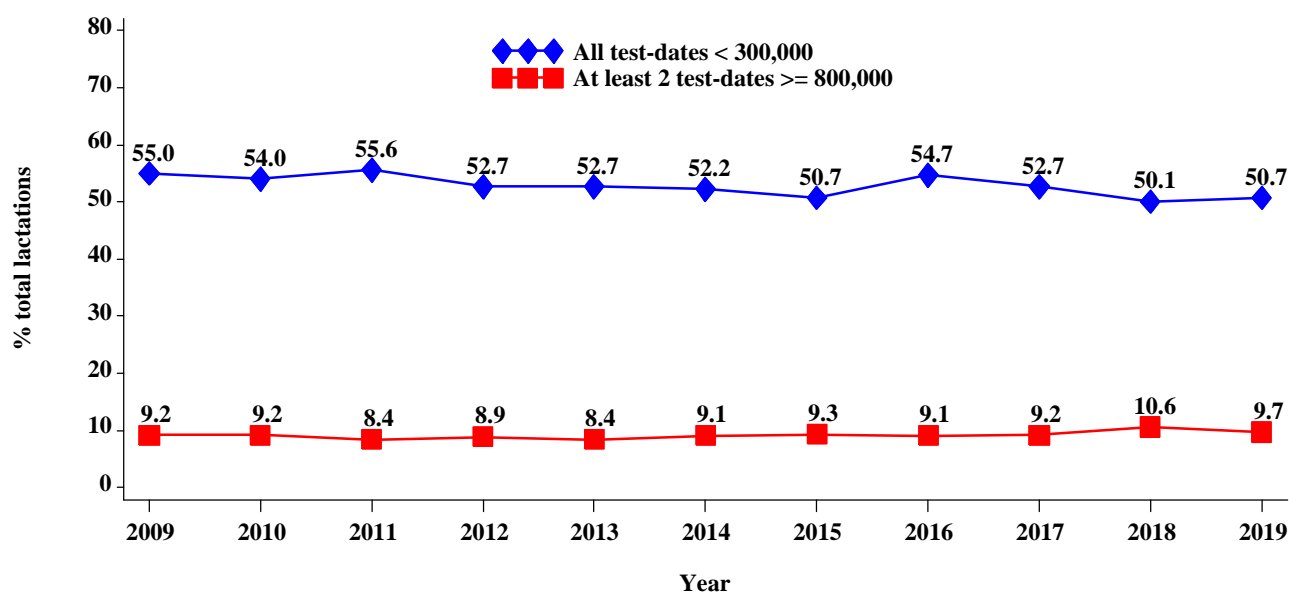


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
>=1000 & <2000 kg	11	39.3	367	32.7	1,585	32.8	31.9	196	1,585	391
>=2000 & <3000 kg	16	57.1	693	61.7	2,477	33.9	32.2	235	2,473	384
>=3000 kg	1	3.6	63	5.6	3,485	36.3	32.5	272	3,476	363
Overall total	28	100	1,123	100	2,242	33.9	32.2	224	2,239	385

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	153	9.2	919	55.0	598	35.8	1,670
2010	161	9.2	945	54.0	645	36.8	1,751
2011	146	8.4	967	55.6	625	36.0	1,738
2012	145	8.9	858	52.7	625	38.4	1,628
2013	133	8.4	829	52.7	612	38.9	1,574
2014	126	9.1	725	52.2	538	38.7	1,389
2015	122	9.3	667	50.7	526	40.0	1,315
2016	115	9.1	694	54.7	460	36.2	1,269
2017	114	9.2	654	52.7	473	38.1	1,241
2018	127	10.6	598	50.1	469	39.3	1,194
2019	112	9.7	584	50.7	456	39.6	1,152



¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



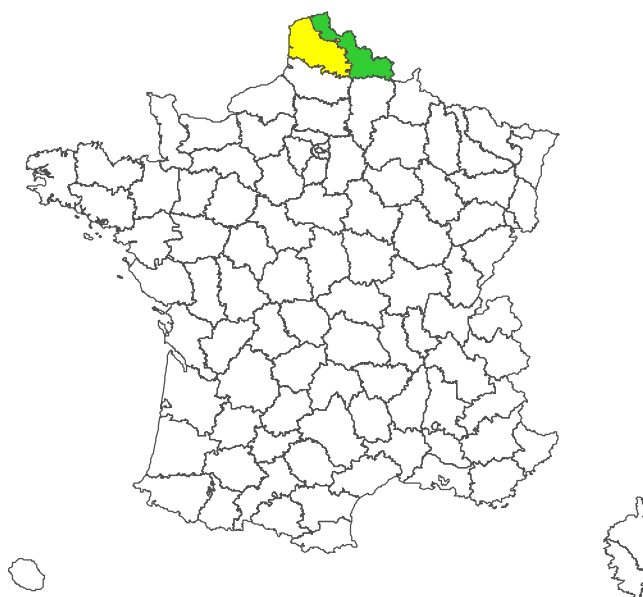
Detailed results per breed

Breed ROUGE FLAMANDE
(French breed code : 63)

Geographical distribution of qualified lactations of Rouge Flamande breed ¹



233
498

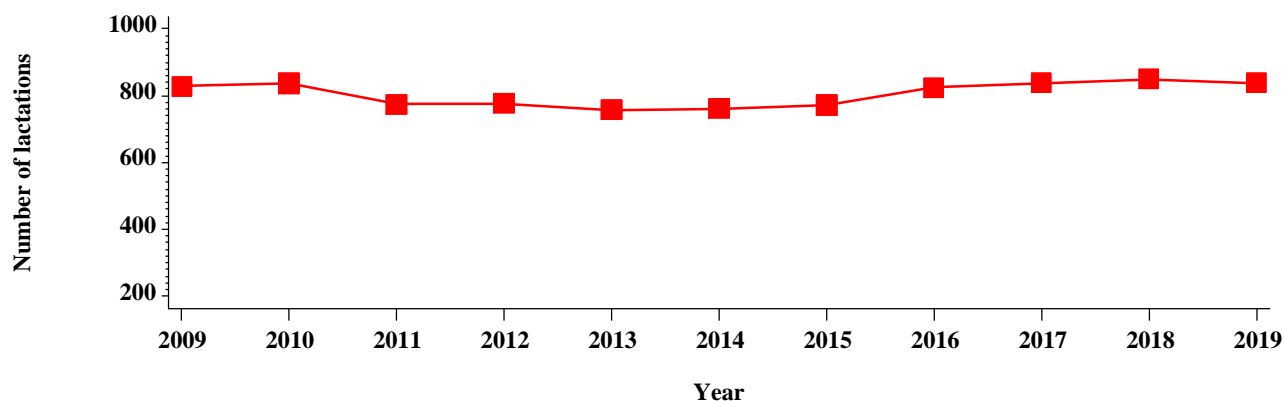


¹ Only local areas that count up more than 40 lactations for Rouge Flamande breed are shown on the map

Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	257	33	308	4,879	195	39.9	161	32.9	355	72.8	
2nd lactation	212	46	301	5,610	224	40.0	183	32.7	408	72.7	394
3rd lactation	152	59	313	6,056	240	39.7	197	32.5	437	72.2	397
4th lactation	104	71	311	6,310	250	39.6	203	32.2	453	71.7	393
5th lactation	60	84	298	6,113	239	39.1	195	31.9	434	71.0	401
6th lactation	28	99	312	6,650	263	39.6	215	32.3	478	71.9	415
7th lactation	10	110	373	6,587	259	39.4	212	32.2	471	71.5	430
Lactation 8 and over	15	129	330	5,838	223	38.1	187	32.1	410	70.2	403
All lactations	838		308	5,640	224	39.7	184	32.6	408	72.3	397

Evolution of the number of qualified lactations for Rouge Flamande breed

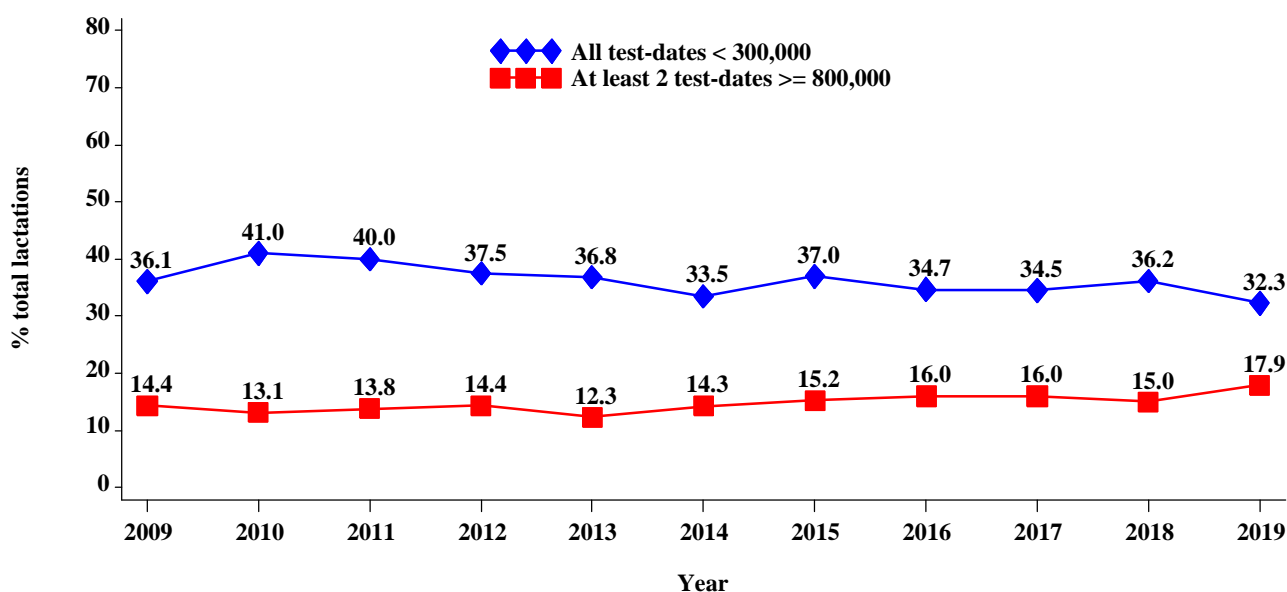


Herd distribution¹ per milk yield level

Milk yield levels	Herds		Lactations		Complete lactation milk yield kg	Fat % g/kg	True protein % g/kg	Lactation duration days	305-d lactation milk yield kg	Calving interval days
	Nb	%	Nb	%						
>=4000 & <5000 kg	1	12.5	53	17.4	4,182	36.6	31.1	288	4,071	386
>=5000 & <6000 kg	4	50.0	113	37.0	5,555	38.7	32.3	318	5,188	388
>=6000 & <7000 kg	2	25.0	63	20.7	6,223	40.1	32.0	340	5,729	401
>=7000 kg	1	12.5	76	24.9	7,380	40.8	33.3	326	6,765	402
Overall total	8	100	305	100	5,909	39.4	32.4	319	5,499	394

Evolution of somatic cells count distribution

Year	At least 2 test-dates with cell count >= 800,000		Lactations with All test-dates with cell count < 300,000		Intermediate somatic cell counts		Overall total
	Nb	%	Nb	%	Nb	%	
2009	119	14.4	299	36.1	411	49.6	829
2010	110	13.1	343	41.0	384	45.9	837
2011	107	13.8	310	40.0	358	46.2	775
2012	112	14.4	291	37.5	374	48.1	777
2013	93	12.3	279	36.8	386	50.9	758
2014	109	14.3	255	33.5	397	52.2	761
2015	117	15.2	286	37.0	369	47.8	772
2016	132	16.0	286	34.7	407	49.3	825
2017	134	16.0	289	34.5	415	49.5	838
2018	127	15.0	307	36.2	415	48.9	849
2019	150	17.9	271	32.3	417	49.8	838



¹Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



Detailed results per breed

Breed BLEUE DU NORD (French breed code : 52)



Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	162	35	290	4,266	162	37.9	137	32.1	299	70.0	
2nd lactation	121	49	279	4,724	177	37.4	151	31.9	328	69.4	399
3rd lactation	90	60	277	4,643	175	37.6	147	31.6	321	69.2	390
4th lactation	71	72	270	4,937	186	37.7	154	31.1	340	68.8	392
5th lactation	44	86	255	4,764	172	36.1	145	30.4	317	66.5	389
6th lactation	22	99	240	4,898	169	34.6	146	29.7	315	64.3	376
7th lactation	16	108	259	5,222	190	36.3	160	30.6	349	66.9	391
Lactation 8 and over	21	130	276	5,088	173	34.0	151	29.6	324	63.7	377
All lactations	547		276	4,641	173	37.2	146	31.4	319	68.7	392

Detailed results per breed

Breed BRETONNE PIE NOIRE (French breed code: 29)



Complete lactations results per parity

Parity	Number of qualified lactations	Calving age months	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat + true protein content kg	Fat + true protein % g/kg	Calving interval days
1st lactation	48	33	230	1,754	76	43.4	57	32.7	133	76.1	
2nd lactation	22	44	230	1,799	81	45.1	61	33.7	142	78.8	373
3rd lactation	34	57	254	2,290	104	45.5	75	32.8	179	78.2	393
4th lactation	25	70	249	2,543	110	43.1	83	32.6	193	75.7	372
5th lactation	8	84	272	2,881	128	44.4	96	33.3	224	77.8	370
6th lactation	19	94	283	2,870	119	41.3	93	32.3	211	73.6	380
7th lactation	8	105	227	2,363	100	42.3	75	31.7	175	73.9	364
Lactation 8 and over	12	130	268	2,584	110	42.6	82	31.6	192	74.2	401
All lactations	176		247	2,231	97	43.6	73	32.6	170	76.2	381



III - RESULTS PER LOCAL AREA (= French “département”)

3.1 - Qualified lactations per qualification method and local area

Local area	Qualifications																												QUALIFIED LACTATIONS	NON-QUALIFIED LACTATIONS						
	A4		A5		A6		A7		A8		A9		AR 4-5-6-7-8-9		AT4		AT5		AT6		AT7		AT8		B 4-5-6-7-8-9		BR 4-5-6-7-8-9				BT 4-5-6-7-8		BZ 4-5-6-7-8		CZ 4-5-6-7-8	
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%			Nb	%	Nb	%	Nb	%
Ain	11,316	33.4	3,413	10.1	1,169	3.4	1,181	3.5	260	0.8			18	0.1	5,871	17.3	1,762	5.2	960	2.8	1,085	3.2	301	0.9	2,561	7.6	3,832	11.3	175	0.5			33,904	556		
Aisne	11,896	60.1	2,253	11.4	1,750	8.8	1,102	5.6	595	3.0	79	0.4	1,552	7.8	101	0.5	45	0.2	129	0.7	50	0.3	34	0.2	198	1.0	20	0.1					19,804	303		
Allier	2,494	55.5	453	10.1	80	1.8	7	0.2							959	21.3	141	3.1	21	0.5	16	0.4	5	0.1	156	3.5			164	3.6			4,496	27		
Alpes Hte Provence													157	26.7	262	44.5	113	19.2	16	2.7	2	0.3							39	6.6			589			
Hautes Alpes	85	3.4	2	0.1	505	20.0	312	12.3							147	5.8	203	8.0	58	2.3					850	33.6	92	3.6	277	10.9			2,531	26		
Alpes Maritimes													73	78.5	16	17.2	2	2.2	2	2.2														93	10	
Ardèche	107	1.6	24	0.4	48	0.7	221	3.2	21	0.3			293	4.3	5,001	73.0	799	11.7	114	1.7	128	1.9	44	0.6					51	0.7			6,851	97		
Ardennes	2,169	15.0	2,946	20.4	1,340	9.3	304	2.1	181	1.3	8	0.1			1,245	8.6	1,444	10.0	615	4.3	412	2.9	298	2.1	2,173	15.1	1,186	8.2	105	0.7			14,426	195		
Ariège	127	4.5	36	1.3	5	0.2									1,357	47.9	564	19.9	322	11.4	410	14.5			10	0.4							2,831	22		
Aube	500	7.3	119	1.7	8	0.1	1	0.0	187	2.7	53	0.8	816	11.9	671	9.7	144	2.1	10	0.1			10	0.1	183	2.7	197	2.9			3,987	57.9	6,886	45		
Aude	3	0.9			16	4.5	65	18.5	21	6.0					7	2.0					68	19.3	172	48.9									352	67		
Aveyron	25	0.1	19	0.1	9	0.0	5	0.0					1,702	4.8	11,491	32.3	14,095	39.6	5,410	15.2	222	0.6					2,133	6.0	1	0.0	258	0.7	241	0.7	35,611	196
Bouches du Rhône															3	42.9	3	42.9											1	14.3			7			
Calvados	8,392	16.1	7,603	14.6	4,370	8.4	1,703	3.3	885	1.7	28	0.1	3,296	6.3	4,816	9.2	5,250	10.1	4,615	8.8	3,759	7.2			1,740	3.3	4,344	8.3	159	0.3	131	0.3	1,104	2.1	52,195	4,033
Cantal	2,136	4.4	1,505	3.1	529	1.1	57	0.1	8	0.0			1,060	2.2	18,561	38.6	12,624	26.3	5,603	11.7	309	0.6			772	1.6	1,501	3.1	2,158	4.5	312	0.6	947	2.0	48,082	633
Charente	981	15.0	1,471	22.6	480	7.4	386	5.9	445	6.8			228	3.5	443	6.8	435	6.7	286	4.4	492	7.5			608	9.3	141	2.2			123	1.9	6,519	181		
Charente Maritime	3,767	39.8	651	6.9	262	2.8	648	6.8	351	3.7	37	0.4	244	2.6	784	8.3	186	2.0	213	2.2	85	0.9			781	8.2	1,365	14.4	101	1.1			9,475	235		
Cher	624	18.0	153	4.4	187	5.4	533	15.4	515	14.9	9	0.3	366	10.6	41	1.2	3	0.1					4	0.1	1	0.0	319	9.2			708	20.4	3,463	17		
Corrèze	159	3.0	14	0.3									33	0.6	4,019	76.2	787	14.9	98	1.9	20	0.4					141	2.7					5,271	60		
Côte d'Or	5,088	40.2	850	6.7	90	0.7	36	0.3	171	1.3	4	0.0	1,168	9.2	1,125	8.9	205	1.6	29	0.2	73	0.6	190	1.5	196	1.5	1,683	13.3			210	1.7	1,551	12.2	12,669	177
Côtes d'Armor	11,341	9.5	16,968	14.3	10,802	9.1	13,401	11.3	2,757	2.3	7	0.0	664	0.6	5,618	4.7	9,446	7.9	5,889	5.0	5,904	5.0	1,536	1.3	13,454	11.3	17,691	14.9	1,141	1.0	513	0.4	1,814	1.5	118,946	1,856
Creuse	761	21.6	1,007	28.6	312	8.9	21	0.6	18	0.5	6	0.2	133	3.8	379	10.8	662	18.8	216	6.1	2	0.1											3,517	9		
Dordogne	2,308	21.2	947	8.7	348	3.2	83	0.8	4	0.0			3,695	33.9	1,392	12.8	655	6.0	126	1.2							1,222	11.2	106	1.0			10,886	106		
Doubs	44,788	51.9	26,361	30.6	8,144	9.4	1,796	2.1	50	0.1			2,553	3.0	1,103	1.3	863	1.0	218	0.3	39	0.0			257	0.3	78	0.1					86,250	176		
Drôme	526	18.6	283	10.0	78	2.8	4	0.1					465	16.4	599	21.2	592	20.9	247	8.7	31	1.1	7	0.2									2,832	80		
Eure	7,245	43.8	1,505	9.1	662	4.0	759	4.6	694	4.2	8	0.0	1,683	10.2	1,999	12.1	398	2.4	280	1.7	460	2.8			16	0.1	350	2.1			469	2.8	16,528	900		
Eure & Loir	2,322	41.4	942	16.8	351	6.3	136	2.4	3	0.1			296	5.3	79	1.4	20	0.4	39	0.7	47	0.8			102	1.8	1,266	22.6					5,603	26		
Finistère	12,550	12.4	17,486	17.2	10,028	9.9	16,479	16.2	3,235	3.2			464	0.5	3,011	3.0	5,330	5.2	3,450	3.4	4,217	4.2	1,109	1.1	11,843	11.7	9,098	9.0	1,093	1.1	285	0.3	1,872	1.8	101,550	1,586
Haute Garonne	1,335	20.1	258	3.9	17	0.3	3	0.0					821	12.3	3,075	46.3	753	11.3	52	0.8	12	0.2					1	0.0	311	4.7			10	0.2	6,648	25
Gers	285	20.7	56	4.1	14	1.0	37	2.7	9	0.7			50	3.6	636	46.2	155	11.3	23	1.7	111	8.1											1,376	84		
Gironde	1,215	34.7	280	8.0	29	0.8	5	0.1	2	0.1			38	1.1	1,346	38.5	427	12.2	71	2.0	64	1.8			16	0.5	3	0.1	2	0.1			3,498	138		
Hérault													15	15.8	57	60.0	23	24.2																95		
Ille & Vilaine	31,185	16.4	7,160	3.8	7,442	3.9	15,021	7.9	3,162	1.7	25	0.0	2,015	1.1	42,016	22.0	8,541	4.5	21,342	11.2	4,665	2.4	147	0.1	20,953	11.0	20,321	10.7	1,303	0.7	748	0.4	4,681	2.5	190,727	4,017
Indre	79	1.9	288	6.9	215	5.2	35	0.8	88	2.1	29	0.7			17	0.4	32	0.8	9	0.2	67	1.6	50	1.2	2,105	50.7	1,139	27.4					4,153	173		
Indre & Loire	4,170	32.7	2,128	16.7	628	4.9	95	0.7	9	0.1			602	4.7	189	1.5	241	1.9	142	1.1	80	0.6			1,826	14.3	2,623	20.6					1	0.0	12,734	53



3.1 - Qualified lactations per qualification method and local area

Local area	Qualifications																														QUALIFIED LACTATIONS	NON-QUALIFIED LACTATIONS				
	A4		A5		A6		A7		A8		A9		AR 4-5-6-7-8-9		AT4		AT5		AT6		AT7		AT8		B 4-5-6-7-8-9		BR 4-5-6-7-8-9		BT 4-5-6-7-8				BZ 4-5-6-7-8		CZ 4-5-6-7-8	
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%			Nb	%	Nb	%
Isère	5,802	29.8	3,538	18.2	1,298	6.7	815	4.2	100	0.5			1,592	8.2	2,638	13.5	1,674	8.6	687	3.5	809	4.2	190	1.0	266	1.4	71	0.4							19,480	111
Jura	31,064	64.3	8,042	16.7	2,777	5.8	1,271	2.6	46	0.1	1	0.0	1	0.0	1,156	2.4	414	0.9	174	0.4	30	0.1			2,267	4.7	936	1.9			103	0.2	2	0.0	48,284	269
Landes	717	16.8	1,108	25.9	387	9.0	19	0.4					352	8.2	383	9.0	481	11.2	163	3.8	7	0.2					659	15.4					1	0.0	4,277	3
Loir & Cher	3,176	40.2	351	4.4	203	2.6	138	1.7	125	1.6	8	0.1	1,447	18.3	135	1.7	12	0.2	20	0.3	14	0.2			956	12.1	1,304	16.5			7	0.1			7,896	210
Loire	3,855	10.6	16,385	45.0	4,224	11.6	708	1.9	120	0.3	2	0.0	4	0.0	451	1.2	1,679	4.6	551	1.5	66	0.2	28	0.1	5,741	15.7	2,637	7.2							36,451	210
Haute Loire	10,839	26.6	3,469	8.5	3,862	9.5	1,574	3.9	125	0.3			4,483	11.0	4,238	10.4	2,126	5.2	4,359	10.7	1,439	3.5	83	0.2	2,528	6.2	130	0.3	226	0.6	4	0.0	1,240	3.0	40,725	329
Loire Atlantique	26,417	28.2	7,223	7.7	1,167	1.2	2,743	2.9	424	0.5			110	0.1	22,308	23.8	6,909	7.4	1,773	1.9	4,145	4.4			5,720	6.1	10,918	11.7	1,337	1.4	701	0.7	1,750	1.9	93,645	1,935
Loiret	255	4.6	113	2.0	32	0.6	2	0.0	15	0.3			1,302	23.5	272	4.9	46	0.8	6	0.1	27	0.5	161	2.9	397	7.2	2	0.0					2,910	52.5	5,540	149
Lot	70	0.8			22	0.2	6	0.1					988	11.1	4,801	53.8	1,538	17.2	1,034	11.6	342	3.8			68	0.8	1	0.0			48	0.5			8,918	49
Lot & Garonne	1,564	23.4	258	3.9	175	2.6	68	1.0	2	0.0			418	6.3	3,557	53.2	534	8.0	40	0.6	32	0.5			34	0.5									6,682	52
Lozère	83	1.0	68	0.8	21	0.3	3	0.0							2,839	35.4	2,696	33.6	1,083	13.5	27	0.3			87	1.1	633	7.9					478	6.0	8,018	30
Maine & Loire	6,408	9.7	5,416	8.2	1,270	1.9	2,038	3.1	464	0.7			68	0.1	2,751	4.2	3,032	4.6	811	1.2	1,624	2.5			27,248	41.2	12,698	19.2	1,837	2.8	201	0.3	263	0.4	66,129	1,454
Manche	47,385	36.8	11,462	8.9	6,682	5.2	11,171	8.7	9,393	7.3	124	0.1	2,580	2.0	11,103	8.6	3,121	2.4	2,322	1.8	3,170	2.5			8,536	6.6	8,208	6.4	328	0.3	604	0.5	2,457	1.9	128,646	7,531
Marne	643	14.0	175	3.8	279	6.1	1,321	28.9	826	18.0	14	0.3	1,316	28.7													4	0.1							4,578	103
Haute Marne	6,632	26.8	2,568	10.4	2,204	8.9	3,584	14.5	1,343	5.4	14	0.1	2,536	10.3	72	0.3	67	0.3	171	0.7	368	1.5			367	1.5	4,507	18.2					295	1.2	24,728	683
Mayenne	43,022	33.2	10,813	8.3	3,175	2.5	1,798	1.4	1,672	1.3	109	0.1	7,994	6.2	18,675	14.4	8,381	6.5	3,128	2.4	1,609	1.2			17,277	13.3	8,344	6.4	1,675	1.3	531	0.4	1,359	1.0	129,562	2,326
Meurthe & Moselle	8,080	34.1	1,120	4.7	757	3.2	407	1.7	160	0.7	11	0.0	280	1.2	717	3.0	122	0.5	158	0.7	46	0.2	1	0.0	1,122	4.7	6,556	27.7	490	2.1	1,993	8.4	1,685	7.1	23,705	419
Meuse	10,747	41.1	1,397	5.3	1,749	6.7	755	2.9	56	0.2			222	0.8	1,780	6.8	327	1.3	395	1.5	109	0.4	51	0.2	2,079	8.0	3,890	14.9	327	1.3	889	3.4	1,368	5.2	26,141	629
Morbihan	11,775	11.9	19,531	19.8	9,228	9.3	14,979	15.2	3,270	3.3			58	0.1	2,626	2.7	4,654	4.7	2,884	2.9	2,935	3.0	883	0.9	13,761	13.9	9,953	10.1	2,034	2.1	82	0.1	138	0.1	98,791	1,317
Moselle	13,266	42.7	2,424	7.8	3,195	10.3	2,649	8.5	1,321	4.3	78	0.3	4,911	15.8	406	1.3	156	0.5	425	1.4	214	0.7	19	0.1	802	2.6	672	2.2	204	0.7	237	0.8	100	0.3	31,079	414
Nièvre	230	24.2	52	5.5	8	0.8	1	0.1	43	4.5	4	0.4	106	11.1	148	15.6	57	6.0	57	6.0	6	0.6	9	0.9			146	15.4					84	8.8	951	15
Nord	14,788	30.6	9,936	20.5	9,099	18.8	4,372	9.0	1,621	3.3	100	0.2	3,251	6.7	175	0.4	127	0.3	281	0.6	116	0.2	245	0.5	3,719	7.7	551	1.1	19	0.0			1	0.0	48,401	1,184
Oise	6,193	56.3	1,362	12.4	1,008	9.2	579	5.3	782	7.1	44	0.4	467	4.2	113	1.0	29	0.3	78	0.7	29	0.3	48	0.4	203	1.8	56	0.5							10,991	321
Orne	7,439	10.4	6,358	8.9	3,408	4.8	1,918	2.7	647	0.9	32	0.0	1,754	2.5	4,474	6.3	5,055	7.1	2,785	3.9	2,641	3.7			20,628	28.8	10,614	14.8	2,570	3.6	508	0.7	738	1.0	71,569	2,894
Pas de Calais	13,132	29.6	3,869	8.7	5,034	11.4	6,165	13.9	6,618	14.9	154	0.3	309	0.7	350	0.8	53	0.1	157	0.4	191	0.4	301	0.7	6,369	14.4	1,525	3.4	104	0.2					44,331	1,604
Puy de Dôme	5,375	14.0	3,922	10.2	1,964	5.1	314	0.8	28	0.1			1,971	5.1	8,320	21.7	7,727	20.2	6,152	16.1	1,364	3.6	380	1.0	633	1.7	1	0.0	159	0.4			4	0.0	38,314	397
Pyrénées Atlantiques	1,327	10.7	2,407	19.4	1,174	9.5	1,162	9.4	358	2.9	5	0.0	1,068	8.6	558	4.5	1,174	9.5	486	3.9	86	0.7			211	1.7	1,032	8.3	143	1.2	220	1.8	1,002	8.1	12,413	291
Hautes Pyrénées	499	15.5	67	2.1	36	1.1	41	1.3	27	0.8			605	18.8	1,134	35.3	243	7.6	110	3.4	135	4.2			307	9.6			7	0.2					3,211	86
Pyrénées Orientales	1	0.6	11	7.1	18	11.6	11	7.1	1	0.6					14	9.0	29	18.7	39	25.2	31	20.0													155	56
Bas Rhin	5,746	23.9	1,623	6.8	1,083	4.5	354	1.5	148	0.6			128	0.5	980	4.1	226	0.9	136	0.6	29	0.1	103	0.4	262	1.1	7,754	32.3			645	2.7	4,791	20.0	24,008	339
Haut Rhin	2,692	20.9	669	5.2	425	3.3	226	1.8	188	1.5	4	0.0	109	0.8	888	6.9	367	2.8	266	2.1	120	0.9	258	2.0	500	3.9	1,852	14.4	1	0.0	755	5.9	3,567	27.7	12,887	339
Rhône	6,182	28.9	2,535	11.9	900	4.2	1,269	5.9	250	1.2			978	4.6	4,046	18.9	1,727	8.1	890	4.2	2,019	9.4	584	2.7	2	0.0	2	0.0							21,384	140
Haute Saône	18,981	56.8	2,509	7.5	1,472	4.4	2,440	7.3	411	1.2	2	0.0	4,520	13.5	1,210	3.6	194	0.6	139	0.4	317	0.9	135	0.4	926	2.8	12	0.0			1	0.0	139	0.4	33,408	197
Saône & Loire	1,498	9.1	373	2.3	451	2.7	252	1.5	65	0.4			654	4.0	5,962	36.3	2,547	15.5	1,867	11.4	586	3.6	76	0.5	376	2.3	1,558	9.5	160	1.0					16,425	159
Sarthe	17,094	36.1	3,380	7.1	1,028	2.2	700	1.5	941	2.0	57	0.1	4,285	9.0	5,940	12.5	1,729	3.6	624	1.3	362	0.8			5,059	10.7	5,679	12.0	137	0.3	180	0.4	204	0.4	47,399	773
Savoie	1,871	8.2	275	1.2	49	0.2	4	0.0	2	0.0			227	1.0	12,740	55.9	2,473	10.9	513	2.3	283	1.2			1,482	6.5	1,719	7.5	1,025	4.5			121	0.5	22,784	320
Haute Savoie	7,943	21.5	1,138	3.1	155	0.4	30	0.1	2	0.0			323	0.9	14,857	40.3	2,310	6.3	857	2.3	176	0.5			4,171	11.3	3,533	9.6	1,024	2.8	209	0.6	160	0.4	36,888	238
Seine Maritime	30,123	58.0	4,908	9.4	2,098	4.0	4,328	8.3	2,120	4.1	86	0.2	1,580	3.0	2,886	5.6	629	1.2	544	1.0	817	1.6			945	1.8	363	0.7			83	0.2	468	0.9	51,978	1,103



3.1 - Qualified lactations per qualification method and local area

Local area	Qualifications																														QUALIFIED LACTATIONS	NON-QUALIFIED LACTATIONS						
	A4		A5		A6		A7		A8		A9		AR 4-5-6-7-8-9		AT4		AT5		AT6		AT7		AT8		B 4-5-6-7-8-9		BR 4-5-6-7-8-9		BT 4-5-6-7-8				BZ 4-5-6-7-8		CZ 4-5-6-7-8			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%			Nb	%	Nb	%	Nb	%
Seine & Marne	429	15.9	564	20.9	321	11.9	539	19.9	189	7.0	3	0.1	525	19.4	6	0.2			7	0.3	55	2.0													66	2.4	2,704	146
Yvelines	27	2.4	88	7.8	152	13.5	370	32.9	126	11.2					15	1.3	1	0.1							345	30.7									2,408	10.5	1,124	3
Deux Sèvres	2,677	11.7	4,825	21.1	2,472	10.8	2,795	12.2	1,535	6.7	193	0.8	2,608	11.4	6	0.0	6	0.0	27	0.1	41	0.2			2,414	10.6	606	2.7	104	0.5	148	0.6	2,408	10.5	22,865	409		
Somme	10,424	39.4	3,417	12.9	2,706	10.2	1,557	5.9	2,465	9.3	70	0.3	2,983	11.3	73	0.3	78	0.3	62	0.2	28	0.1	48	0.2	2,004	7.6	441	1.7			23	0.1	92	0.3	26,471	321		
Tarn	1,807	17.5	310	3.0	36	0.3	47	0.5	29	0.3			1,316	12.8	5,534	53.7	870	8.4	219	2.1	108	1.0							27	0.3			10,303	52				
Tarn & Garonne	62	1.7	11	0.3									282	7.7	2,201	59.8	476	12.9	103	2.8	71	1.9							373	10.1	104	2.8	3,683	107				
Vendée	22,093	38.5	5,183	9.0	1,798	3.1	1,819	3.2	1,965	3.4	115	0.2	664	1.2	1,152	2.0	464	0.8	212	0.4	255	0.4			10,080	17.5	9,260	16.1	616	1.1	486	0.8	1,283	2.2	57,445	1,087		
Vienne	1,295	19.5	270	4.1	299	4.5	620	9.3	181	2.7			728	10.9	997	15.0	381	5.7	241	3.6	273	4.1			486	7.3	603	9.1			61	0.9	214	3.2	6,649	526		
Haute Vienne	991	20.0	1,205	24.3	588	11.8	30	0.6	10	0.2			566	11.4	396	8.0	553	11.1	304	6.1	24	0.5			8	0.2	116	2.3	116	2.3			57	1.1	4,964	55		
Vosges	12,120	29.6	2,477	6.0	2,013	4.9	368	0.9	48	0.1			282	0.7	6,353	15.5	1,499	3.7	661	1.6	61	0.1	7	0.0	3,460	8.4	9,410	23.0	1,610	3.9	504	1.2	122	0.3	40,995	578		
Yonne	440	4.9	122	1.4	7	0.1	2	0.0					732	8.2	574	6.4	185	2.1	44	0.5	6	0.1	32	0.4	479	5.3	158	1.8					6,195	69.0	8,976	119		
Territoire de Belfort	1,206	31.9	825	21.8	513	13.6	178	4.7	3	0.1			1,040	27.5	2	0.1	4	0.1							2	0.1	4	0.1					2	0.1	3,779	17		
Essonne	1	4.8			7	33.3	12	57.1	1	4.8																							21	1				
Val d'Oise	16	9.0	14	7.9	42	23.6	89	50.0	17	9.6																							178					
Réunion	74	2.9	15	0.6	231	8.9	1,632	63.0	639	24.7	1	0.0																					2,592	22				
TOTAL	596,55	25.5	257,36	11.0	133,22	5.7	134,70	5.8	54,59	2.3	1,524	0.1	85,44	3.7	283,76	12.2	136,91	5.9	89,27	3.8	50,30	2.2	7,37	0.3	215,12	9.2	199,86	8.6	23,81	1.0	11,81	0.5	53,27	2.3	2,334,919	48,231		



3.2 - Complete lactations per local area - all breeds - all lactations

Local area ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Ain	33,904	326	8,211	327	39.8	272	33.1	599	73.0	69	408
Aisne	19,804	336	9,098	361	39.7	293	32.2	654	71.9	64	413
Allier	4,496	340	8,380	333	39.7	271	32.4	604	72.1	67	425
Alpes Hte Provence	589	289	5,754	224	39.0	189	32.9	414	71.9	111	426
Hautes Alpes	2,531	323	5,893	227	38.5	188	31.9	415	70.4	84	418
Alpes Maritimes	93	317	4,845	184	38.0	157	32.5	342	70.5	155	437
Ardèche	6,851	320	6,855	271	39.6	222	32.4	494	72.0	74	411
Ardennes	14,426	343	8,786	346	39.4	281	32.0	626	71.3	68	418
Ariège	2,831	353	8,750	339	38.8	284	32.4	623	71.2	75	433
Aube	6,886	355	9,519	373	39.2	305	32.0	678	71.2	64	431
Aude	352	355	8,444	332	39.3	272	32.2	604	71.5	81	449
Aveyron	35,611	337	7,999	319	39.9	258	32.2	577	72.1	69	416
Calvados	52,195	333	8,142	328	40.2	266	32.7	594	72.9	71	419
Cantal	48,082	316	6,752	263	39.0	217	32.1	480	71.1	76	409
Charente	6,519	356	8,447	346	41.0	274	32.5	620	73.4	67	427
Charente Maritime	9,475	351	9,058	362	39.9	292	32.3	654	72.2	67	428
Cher	3,463	353	8,927	364	40.8	289	32.4	654	73.2	66	422
Corrèze	5,271	339	7,422	291	39.3	236	31.8	528	71.1	76	427
Côte d'Or	12,669	332	7,891	318	40.4	264	33.4	582	73.8	68	414
Côtes d'Armor	118,946	333	8,850	359	40.6	283	32.0	643	72.6	69	415
Creuse	3,517	349	8,021	318	39.6	257	32.1	575	71.7	71	427
Dordogne	10,886	347	8,919	357	40.0	288	32.3	645	72.3	68	433
Doubs	86,250	301	6,930	261	37.7	227	32.8	488	70.5	72	395
Drôme	2,832	341	8,034	320	39.9	264	32.8	584	72.7	66	418
Eure	16,528	341	8,680	349	40.2	285	32.8	633	73.0	64	421
Eure & Loir	5,603	352	8,955	364	40.6	295	32.9	659	73.5	68	426
Finistère	101,550	333	8,537	345	40.4	272	31.9	617	72.3	69	412
Haute Garonne	6,648	351	8,766	343	39.2	282	32.1	625	71.3	72	438
Gers	1,376	324	7,781	299	38.5	245	31.5	545	70.0	83	431
Gironde	3,498	345	8,902	345	38.8	287	32.2	632	71.0	71	429
Hérault	95	369	7,140	264	37.0	222	31.1	486	68.0	88	448
Ille & Vilaine	190,727	339	8,689	354	40.7	280	32.3	634	73.0	65	416
Indre	4,153	372	10,065	406	40.3	328	32.6	734	72.9	66	433
Indre & Loire	12,734	348	9,621	387	40.2	312	32.5	699	72.7	65	416
Isère	19,480	330	8,150	325	39.9	267	32.8	593	72.7	67	412
Jura	48,284	306	6,890	257	37.3	227	32.9	483	70.2	73	400
Landes	4,277	341	9,294	367	39.4	293	31.5	660	71.0	74	429
Loir & Cher	7,896	354	9,525	386	40.5	309	32.4	695	72.9	62	411
Loire	36,451	323	8,060	320	39.7	262	32.5	582	72.3	72	411
Haute Loire	40,725	318	7,273	290	39.9	238	32.8	529	72.7	74	411
Loire Atlantique	93,645	343	8,778	359	40.9	285	32.4	644	73.4	65	416
Loiret	5,540	351	9,445	380	40.2	305	32.3	685	72.5	66	422
Lot	8,918	342	8,618	343	39.7	277	32.1	619	71.8	67	421
Lot & Garonne	6,682	343	8,579	339	39.5	274	31.9	613	71.4	77	433
Lozère	8,018	310	6,230	239	38.4	201	32.3	441	70.7	78	402
Maine & Loire	66,129	346	9,038	375	41.5	296	32.8	671	74.3	66	415
Manche	128,646	338	8,296	337	40.6	274	33.1	611	73.7	66	415

¹Only the local areas which count up more than 40 results are listed here.



Complete lactations per local area - all breeds - all lactations (cont.)

Local area ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Marne	4,578	327	9,142	350	38.3	292	31.9	642	70.2	69	415
Haute Marne	24,728	337	8,795	346	39.4	289	32.9	635	72.2	71	415
Mayenne	129,562	348	8,657	355	41.0	285	32.9	640	74.0	61	420
Meurthe & Moselle	23,705	336	8,847	351	39.7	281	31.8	632	71.4	68	418
Meuse	26,141	337	9,525	372	39.0	305	32.0	677	71.0	69	420
Morbihan	98,791	336	8,951	365	40.7	290	32.4	655	73.1	67	418
Moselle	31,079	328	8,641	344	39.9	279	32.3	623	72.1	69	416
Nièvre	951	335	8,856	345	39.0	281	31.7	626	70.7	76	421
Nord	48,401	335	9,272	367	39.6	296	31.9	663	71.5	65	410
Oise	10,991	337	9,075	359	39.6	291	32.1	650	71.7	66	415
Orne	71,569	347	8,389	345	41.1	278	33.2	623	74.3	65	419
Pas de Calais	44,331	346	9,703	376	38.8	309	31.9	686	70.6	65	414
Puy de Dôme	38,314	328	7,187	279	38.8	231	32.2	510	71.0	76	414
Pyrénées Atlantiques	12,413	342	9,339	361	38.7	299	32.0	660	70.7	73	428
Hautes Pyrénées	3,211	349	9,417	368	39.1	303	32.2	672	71.3	72	434
Pyrénées Orientales	155	327	6,874	272	39.5	222	32.2	493	71.8	124	431
Bas Rhin	24,008	339	9,664	385	39.9	314	32.5	699	72.4	65	418
Haut Rhin	12,887	334	8,319	332	39.9	270	32.5	603	72.4	67	415
Rhône	21,384	323	7,870	312	39.6	257	32.7	569	72.3	70	409
Haute Saône	33,408	317	7,559	297	39.3	252	33.4	549	72.7	70	404
Saône & Loire	16,425	330	8,100	325	40.1	271	33.4	595	73.5	69	410
Sarthe	47,399	353	9,062	369	40.7	299	33.0	668	73.7	64	423
Savoie	22,784	295	5,462	202	37.0	179	32.8	381	69.8	95	407
Haute Savoie	36,888	305	6,966	260	37.3	230	33.0	490	70.3	80	404
Seine Maritime	51,978	333	8,392	335	39.9	275	32.7	609	72.6	65	414
Seine & Marne	2,704	359	9,940	394	39.6	318	31.9	711	71.5	63	422
Yvelines	1,124	314	9,534	366	38.4	296	31.1	662	69.4	76	403
Deux Sèvres	22,865	351	9,662	388	40.1	315	32.6	702	72.7	66	419
Somme	26,471	331	9,479	370	39.0	303	32.0	673	71.0	67	413
Tarn	10,303	346	8,486	337	39.7	270	31.8	606	71.5	70	429
Tarn & Garonne	3,683	362	8,417	341	40.5	269	32.0	610	72.5	69	434
Vendée	57,445	351	9,407	386	41.0	306	32.5	691	73.5	66	418
Vienne	6,649	365	9,375	380	40.5	305	32.5	685	73.0	62	430
Haute Vienne	4,964	344	8,143	327	40.2	263	32.3	590	72.4	71	419
Vosges	40,995	337	8,255	328	39.8	267	32.4	596	72.2	70	416
Yonne	8,976	362	9,554	381	39.9	307	32.1	688	72.0	66	430
Territoire de Belfort	3,779	336	8,364	333	39.8	276	33.0	609	72.8	66	420
Val d'Oise	178	329	8,932	336	37.6	279	31.3	615	68.9	68	428
Réunion	2,592	351	7,850	292	37.3	250	31.8	542	69.1	81	440

¹Only the local areas which count up more than 40 results are listed here.



3.3 - Complete lactations - all lactations per local area and breed

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Ain	ABONDANCE	74	306	4,980	182	36.6	170	34.1	352	70.7	74	397
	BRUNE	187	339	7,753	316	40.8	268	34.5	584	75.4	70	434
	SIMMENTAL FRANCAISE	500	307	6,346	248	39.1	214	33.7	462	72.8	70	397
	CROSSBRED	1,750	320	8,223	328	39.9	270	32.9	599	72.8	67	401
	MONTBELIARDE	24,404	322	7,796	311	39.9	261	33.5	572	73.3	69	403
	PRIM·HOLSTEIN	6,922	343	9,880	393	39.7	318	32.2	711	71.9	69	429
Aisne	JERSIAISE	61	364	7,851	414	52.8	295	37.5	709	90.3	50	442
	CROSSBRED	1,868	318	8,015	322	40.2	260	32.5	582	72.7	68	403
	MONTBELIARDE	569	338	7,780	311	40.0	261	33.5	572	73.5	68	403
	NORMANDE	426	321	5,879	241	41.0	200	34.1	441	75.0	75	409
	PRIM·HOLSTEIN	16,789	338	9,363	371	39.6	300	32.1	671	71.6	64	414
Allier	JERSIAISE	64	267	3,144	176	56.0	121	38.5	297	94.5	104	428
	BRUNE	62	378	6,798	295	43.4	233	34.3	528	77.7	55	485
	CROSSBRED	195	321	7,422	295	39.8	237	31.9	532	71.7	67	417
	MONTBELIARDE	432	295	6,096	244	40.1	205	33.6	449	73.7	77	393
	NORMANDE	197	321	6,390	264	41.4	220	34.4	485	75.8	69	406
	PRIM·HOLSTEIN	3,539	348	8,947	353	39.5	288	32.1	641	71.6	65	429
Alpes Hte Provence	ABONDANCE	56	259	5,238	192	36.7	174	33.2	366	69.9	123	388
	JERSIAISE	47	289	4,171	203	48.6	151	36.2	354	84.8	83	404
	MONTBELIARDE	388	295	6,142	238	38.7	201	32.7	438	71.3	114	435
Hautes Alpes	ABONDANCE	399	316	4,721	174	36.9	154	32.6	328	69.5	98	401
	TARENTEISE	229	297	4,358	159	36.5	140	32.2	299	68.7	108	416
	CROSSBRED	198	315	5,480	209	38.1	176	32.2	385	70.3	86	407
	MONTBELIARDE	1,169	323	6,038	235	39.0	194	32.2	430	71.2	76	414
	PRIM·HOLSTEIN	500	346	7,465	290	38.8	229	30.7	519	69.5	77	446
Alpes Maritimes	ABONDANCE	70	334	4,856	184	38.0	160	33.0	345	71.0	114	435
Ardèche	ABONDANCE	629	304	5,743	218	38.0	192	33.5	411	71.5	83	401
	CROSSBRED	438	306	6,075	245	40.3	197	32.5	443	72.9	74	413
	MONTBELIARDE	4,665	318	6,678	266	39.9	218	32.7	484	72.5	75	405
	PRIM·HOLSTEIN	1,058	342	8,700	339	39.0	271	31.2	610	70.2	67	443
Ardennes	JERSIAISE	44	309	4,169	224	53.7	160	38.3	384	92.0	58	391
	CROSSBRED	1,590	330	7,474	297	39.7	240	32.1	537	71.8	67	408
	MONTBELIARDE	419	309	6,705	268	39.9	221	33.0	489	72.9	80	412
	NORMANDE	61	305	5,842	235	40.3	192	32.8	427	73.1	84	395
	PRIM·HOLSTEIN	12,277	346	9,063	356	39.3	289	31.9	645	71.2	67	420
Ariège	BRUNE	476	358	7,826	327	41.7	271	34.6	597	76.3	75	440
	CROSSBRED	129	337	7,210	269	37.3	225	31.2	494	68.6	80	423
	MONTBELIARDE	250	324	6,086	232	38.2	199	32.6	431	70.8	86	402
	PRIM·HOLSTEIN	1,915	359	9,558	365	38.2	306	32.0	671	70.2	73	437

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Aube	BRUNE	272	362	8,736	358	40.9	301	34.5	659	75.4	66	444
	SIMMENTAL FRANCAISE	72	379	7,489	312	41.7	252	33.6	564	75.3	67	420
	CROSSBRED	396	347	8,594	340	39.6	277	32.3	618	71.9	65	425
	MONTBELIARDE	358	311	8,097	313	38.6	274	33.8	586	72.4	70	408
	PRIM·HOLSTEIN	5,749	358	9,755	381	39.0	310	31.8	691	70.8	64	432
Aude	BRUNE	50	376	7,881	333	42.2	263	33.4	596	75.6	70	447
	PRIM·HOLSTEIN	251	365	9,167	356	38.9	293	32.0	650	70.9	76	454
Aveyron	ABONDANCE	67	281	4,506	165	36.7	148	32.9	314	69.6	88	392
	AUBRAC	119	182	1,839	75	40.6	63	34.3	138	75.0	214	396
	JERSIAISE	73	355	4,905	251	51.2	177	36.2	429	87.4	69	398
	PIE ROUGE	59	382	9,095	397	43.6	298	32.8	695	76.4	55	453
	BUFFLE	44	203	1,522	109	71.8	67	43.8	176	115.6	154	411
	BRUNE	2,359	335	7,115	302	42.4	244	34.3	546	76.8	67	419
	SIMMENTAL FRANCAISE	2,999	309	5,671	222	39.1	190	33.5	412	72.7	75	395
	CROSSBRED	1,129	319	6,952	278	40.0	223	32.1	501	72.1	68	400
	MONTBELIARDE	4,083	325	6,616	261	39.5	218	32.9	479	72.4	70	394
	NORMANDE	57	307	5,285	228	43.1	180	34.0	407	77.0	70	389
	PRIM·HOLSTEIN	24,622	345	8,708	346	39.8	277	31.8	623	71.6	68	423
Calvados	JERSIAISE	307	351	5,702	348	61.0	235	41.2	583	102.3	51	408
	PIE ROUGE	41	324	7,954	336	42.2	266	33.4	601	75.6	64	411
	BRUNE	110	337	7,431	308	41.4	258	34.7	566	76.1	81	430
	CROSSBRED	4,711	322	7,135	286	40.1	232	32.5	518	72.7	76	413
	MONTBELIARDE	962	310	6,797	277	40.7	225	33.1	502	73.8	66	401
	NORMANDE	10,743	326	6,280	264	42.0	218	34.8	482	76.7	73	410
	PRIM·HOLSTEIN	35,295	337	8,905	354	39.7	286	32.2	640	71.9	70	423
Cantal	ABONDANCE	609	295	4,581	170	37.1	152	33.3	322	70.3	84	400
	JERSIAISE	205	304	4,322	235	54.3	161	37.2	395	91.5	74	392
	PIE ROUGE	169	329	6,690	272	40.6	217	32.5	489	73.1	76	409
	BRUNE	951	336	6,525	271	41.5	221	33.9	492	75.4	73	434
	SALERS	907	216	2,059	68	33.2	66	32.2	135	65.4	152	384
	SIMMENTAL FRANCAISE	1,046	313	4,984	194	38.9	166	33.4	360	72.3	82	417
	CROSSBRED	3,497	302	5,892	229	38.9	187	31.8	416	70.7	77	400
	MONTBELIARDE	18,275	306	6,206	239	38.5	203	32.7	442	71.2	76	400
	NORMANDE	199	320	5,687	240	42.2	195	34.4	435	76.6	76	409
	PRIM·HOLSTEIN	22,180	332	7,722	303	39.3	244	31.6	547	70.9	73	418
Charente	JERSIAISE	253	356	6,169	356	57.7	248	40.2	603	97.8	64	420
	CROSSBRED	357	338	7,487	317	42.3	249	33.3	566	75.6	71	422
	MONTBELIARDE	446	333	7,256	296	40.8	243	33.4	538	74.2	70	413
	NORMANDE	537	351	6,414	279	43.5	225	35.1	504	78.6	71	426
	PRIM·HOLSTEIN	4,905	360	8,974	360	40.1	286	31.9	646	72.0	66	430

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Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Charente Maritime	PIE ROUGE	58	345	8,457	352	41.6	279	33.0	631	74.6	79	443
	CROSSBRED	497	349	8,159	329	40.3	266	32.6	595	72.9	72	438
	MONTBELIARDE	430	340	8,024	324	40.3	268	33.4	592	73.8	65	404
	NORMANDE	419	319	6,078	255	42.0	208	34.3	464	76.3	77	409
	PRIM-HOLSTEIN	8,052	353	9,334	372	39.8	300	32.1	671	71.9	66	430
Cher	JERSAISE	94	313	4,796	273	57.0	196	41.0	470	98.0	79	407
	CROSSBRED	472	340	7,799	319	40.9	255	32.7	574	73.6	65	405
	PRIM-HOLSTEIN	2,813	357	9,317	377	40.5	300	32.2	677	72.7	65	425
Corrèze	CROSSBRED	332	317	6,286	250	39.8	203	32.3	453	72.0	79	400
	MONTBELIARDE	713	302	5,506	216	39.2	180	32.6	395	71.8	80	402
	PRIM-HOLSTEIN	4,116	348	7,933	311	39.2	251	31.7	562	70.9	74	433
Côte d'Or	ABONDANCE	84	327	5,106	187	36.6	168	33.0	355	69.6	105	413
	BRUNE	2,878	337	8,126	341	41.9	283	34.9	624	76.8	66	420
	SIMMENTAL FRANCAISE	1,567	315	7,111	289	40.6	241	33.9	530	74.5	69	394
	CROSSBRED	411	329	7,296	292	40.0	239	32.8	531	72.8	65	414
	MONTBELIARDE	4,241	324	7,442	295	39.7	249	33.5	544	73.1	72	405
	PRIM-HOLSTEIN	3,457	346	8,776	350	39.8	282	32.1	631	72.0	64	430
Côtes d'Armor	JERSAISE	82	282	3,828	208	54.3	144	37.5	351	91.8	74	415
	PIE ROUGE	1,381	332	7,682	332	43.3	256	33.3	588	76.6	78	410
	BRUNE	392	348	7,719	330	42.8	261	33.9	592	76.7	78	425
	SIMMENTAL FRANCAISE	57	360	6,513	267	40.9	216	33.2	483	74.1	73	389
	CROSSBRED	3,458	326	7,939	327	41.2	256	32.2	583	73.4	72	409
	MONTBELIARDE	2,654	319	7,513	307	40.9	247	32.9	554	73.7	68	396
	NORMANDE	8,065	323	6,656	285	42.8	229	34.4	514	77.2	66	403
	PRIM-HOLSTEIN	102,851	334	9,113	368	40.4	290	31.8	659	72.3	69	417
Creuse	CROSSBRED	255	337	6,913	272	39.4	219	31.7	492	71.1	73	427
	MONTBELIARDE	362	328	6,668	264	39.6	219	32.8	483	72.4	76	414
	NORMANDE	121	337	5,006	211	42.2	171	34.1	382	76.3	97	429
	PRIM-HOLSTEIN	2,762	354	8,467	335	39.6	270	31.9	605	71.5	68	429
Dordogne	BRUNE	59	343	6,853	295	43.0	237	34.5	532	77.6	95	468
	CROSSBRED	673	328	7,543	307	40.7	248	32.8	555	73.5	71	419
	MONTBELIARDE	949	326	7,563	306	40.4	252	33.3	558	73.8	67	408
	NORMANDE	193	336	5,921	239	40.4	203	34.3	442	74.7	75	424
	PRIM-HOLSTEIN	8,973	351	9,257	369	39.9	298	32.2	667	72.1	68	437
Doubs	SIMMENTAL FRANCAISE	138	279	5,415	203	37.5	176	32.5	379	70.0	94	394
	CROSSBRED	880	303	7,143	277	38.8	232	32.4	508	71.2	68	394
	MONTBELIARDE	83,588	300	6,889	260	37.7	226	32.8	485	70.5	72	395
	PRIM-HOLSTEIN	1,587	339	9,113	355	38.9	294	32.3	649	71.2	69	425

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Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Drôme	ABONDANCE	57	340	6,234	223	35.7	206	33.1	429	68.8	80	410
	CROSSBRED	131	335	7,044	277	39.3	228	32.4	505	71.7	69	404
	MONTBELIARDE	1,720	339	7,220	290	40.2	238	33.0	528	73.2	66	412
	PRIM·HOLSTEIN	862	348	10,183	404	39.6	332	32.6	736	72.2	64	434
Eure	JERSIAISE	61	273	2,918	163	56.0	110	37.7	273	93.7	144	420
	CROSSBRED	1,633	332	7,906	318	40.2	260	32.9	578	73.1	66	411
	MONTBELIARDE	160	336	8,008	325	40.6	272	34.0	597	74.6	60	421
	NORMANDE	3,466	327	6,624	280	42.3	231	34.9	511	77.2	67	410
	PRIM·HOLSTEIN	11,162	347	9,477	376	39.7	306	32.3	682	72.0	63	426
Eure & Loir	JERSIAISE	135	330	6,580	350	53.2	253	38.4	602	91.6	65	400
	BRUNE	60	385	7,974	344	43.2	277	34.8	621	77.9	71	485
	CROSSBRED	126	335	7,915	319	40.3	262	33.1	581	73.4	69	410
	MONTBELIARDE	90	338	7,167	293	40.9	242	33.7	535	74.6	68	409
	NORMANDE	1,391	342	6,855	290	42.3	240	35.0	530	77.4	68	410
	PRIM·HOLSTEIN	3,798	357	9,904	395	39.9	319	32.2	714	72.1	68	434
Finistère	JERSIAISE	320	318	4,527	260	57.3	175	38.7	435	96.1	73	389
	PIE ROUGE	1,784	324	7,918	339	42.9	263	33.3	603	76.1	69	402
	BRUNE	402	332	7,073	301	42.6	240	33.9	541	76.5	70	429
	SIMMENTAL FRANCAISE	43	307	5,415	229	42.3	184	33.9	413	76.2	76	383
	CROSSBRED	3,879	328	7,401	305	41.2	239	32.3	544	73.5	70	405
	MONTBELIARDE	1,254	311	7,160	295	41.2	236	33.0	531	74.1	71	392
	NORMANDE	2,906	326	6,364	271	42.6	218	34.2	489	76.8	66	405
	PRIM·HOLSTEIN	90,955	334	8,709	350	40.2	277	31.8	627	72.0	69	413
Haute Garonne	ABONDANCE	99	294	3,534	128	36.2	117	33.2	245	69.4	104	402
	BRUNE	106	362	7,521	311	41.4	248	33.0	560	74.4	82	449
	CROSSBRED	205	346	7,610	305	40.0	247	32.4	551	72.4	76	439
	MONTBELIARDE	922	329	7,176	282	39.3	240	33.5	523	72.8	72	418
	PRIM·HOLSTEIN	5,266	356	9,237	361	39.0	294	31.9	655	70.9	70	443
Gers	BRUNE	67	370	6,875	297	43.3	236	34.3	533	77.6	75	474
	CROSSBRED	90	305	6,898	260	37.7	221	32.1	481	69.8	84	398
	PRIM·HOLSTEIN	1,163	324	7,994	306	38.3	250	31.3	556	69.6	82	433
Gironde	BRUNE	42	353	7,663	309	40.3	261	34.1	571	74.5	83	480
	CROSSBRED	159	320	7,190	277	38.6	233	32.4	510	71.0	69	423
	MONTBELIARDE	83	312	6,263	255	40.7	206	32.9	461	73.6	76	397
	PRIM·HOLSTEIN	3,176	348	9,133	354	38.7	294	32.2	648	70.9	70	430
Hérault	PRIM·HOLSTEIN	69	380	7,570	278	36.7	231	30.6	509	67.3	95	455

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Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Ille & Vilaine	JERSIAISE	407	337	4,579	249	54.3	174	38.0	422	92.3	76	416
	PIE ROUGE	959	335	7,689	330	43.0	256	33.3	587	76.3	65	413
	BRUNE	349	332	7,412	321	43.3	254	34.3	575	77.5	71	439
	SIMMENTAL FRANCAISE	138	296	5,259	221	42.0	172	32.7	393	74.7	73	407
	CROSSBRED	7,674	328	7,378	301	40.7	239	32.4	539	73.1	66	406
	MONTBELIARDE	6,567	325	7,371	301	40.8	244	33.2	545	74.0	63	400
	NORMANDE	16,346	326	6,550	279	42.5	225	34.4	504	76.9	64	405
	PRIM·HOLSTEIN	158,194	342	9,055	367	40.5	290	32.0	657	72.6	65	419
	FROMENT DU LEON	67	227	2,369	104	44.1	77	32.6	182	76.7	113	388
Indre	CROSSBRED	189	357	9,302	381	40.9	306	32.9	687	73.9	74	425
	MONTBELIARDE	81	326	7,461	298	40.0	247	33.1	545	73.1	65	406
	NORMANDE	48	334	6,841	290	42.4	237	34.6	527	77.0	73	431
	PRIM·HOLSTEIN	3,781	375	10,260	413	40.3	334	32.5	747	72.8	65	434
Indre & Loire	CROSSBRED	546	335	8,185	335	40.9	264	32.3	599	73.2	71	411
	MONTBELIARDE	681	327	7,960	325	40.8	263	33.1	588	73.8	69	404
	NORMANDE	259	323	6,687	289	43.2	232	34.6	521	77.9	61	401
	PRIM·HOLSTEIN	11,184	351	9,875	396	40.1	320	32.4	716	72.5	65	417
Isère	ABONDANCE	446	308	5,703	210	36.9	188	32.9	398	69.8	83	406
	BRUNE	80	370	7,251	306	42.2	250	34.5	556	76.7	84	432
	TARENTEISE	80	279	4,227	162	38.2	139	33.0	301	71.2	98	399
	SIMMENTAL FRANCAISE	403	313	7,195	305	42.4	244	33.9	549	76.2	63	395
	CROSSBRED	1,041	319	7,468	299	40.0	243	32.6	542	72.6	69	407
	MONTBELIARDE	12,039	328	7,913	317	40.1	263	33.2	580	73.3	66	406
	PRIM·HOLSTEIN	5,316	340	9,217	364	39.5	295	32.0	659	71.5	66	428
Jura	JERSIAISE	41	337	4,595	278	60.5	185	40.3	463	100.8	89	402
	SIMMENTAL FRANCAISE	1,143	306	6,383	254	39.8	216	33.8	470	73.6	77	401
	CROSSBRED	638	321	6,643	262	39.4	222	33.3	484	72.8	84	410
	MONTBELIARDE	45,689	306	6,869	255	37.1	226	32.8	481	70.0	73	399
	PRIM·HOLSTEIN	722	338	9,489	379	39.9	308	32.5	687	72.4	68	424
Landes	CROSSBRED	98	341	8,405	333	39.7	269	32.0	602	71.6	97	429
	MONTBELIARDE	52	363	6,745	270	40.1	225	33.4	495	73.4	76	405
	PRIM·HOLSTEIN	4,080	341	9,376	369	39.4	295	31.5	664	70.9	73	429
Loir & Cher	CROSSBRED	151	350	9,103	368	40.4	301	33.0	668	73.4	69	389
	MONTBELIARDE	146	330	8,489	348	41.0	289	34.1	637	75.1	64	393
	NORMANDE	973	337	7,105	304	42.8	243	34.2	547	77.0	65	403
	PRIM·HOLSTEIN	6,577	357	9,928	399	40.2	320	32.2	719	72.4	61	413

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Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Loire	ABONDANCE	150	301	5,639	212	37.6	188	33.4	400	71.0	86	393
	JERSIAISE	83	349	5,495	303	55.2	215	39.1	518	94.3	77	437
	BRUNE	246	338	7,222	309	42.8	247	34.2	556	77.1	72	420
	SIMMENTAL FRANCAISE	278	298	7,534	301	39.9	254	33.6	554	73.6	70	384
	CROSSBRED	1,693	315	7,421	294	39.7	241	32.4	535	72.1	71	403
	MONTBELIARDE	16,473	310	7,264	289	39.8	242	33.3	531	73.1	72	399
	NORMANDE	64	307	5,890	241	40.9	204	34.7	445	75.6	74	371
	PRIM'HOLSTEIN	17,424	336	8,944	354	39.6	285	31.9	639	71.5	71	425
Haute Loire	ABONDANCE	840	307	5,297	201	37.9	178	33.6	379	71.5	85	417
	BRUNE	225	344	6,363	267	41.9	213	33.5	480	75.5	77	423
	TARENTEISE	146	304	4,720	187	39.7	162	34.3	349	74.0	73	392
	SIMMENTAL FRANCAISE	98	290	5,205	210	40.4	175	33.6	385	74.0	84	413
	CROSSBRED	2,235	306	6,714	269	40.1	218	32.5	487	72.6	76	402
	MONTBELIARDE	27,275	312	6,984	279	39.9	231	33.1	510	73.0	75	406
	PRIM'HOLSTEIN	9,848	338	8,465	339	40.0	271	32.0	610	72.0	69	430
Loire Atlantique	JERSIAISE	215	318	4,402	246	55.9	165	37.4	411	93.3	70	417
	PIE ROUGE	350	331	8,044	358	44.5	277	34.4	635	78.9	64	399
	BRUNE	268	330	6,445	275	42.7	216	33.5	491	76.1	79	426
	BRETONNE PIE NOIRE	76	255	2,200	98	44.6	73	33.0	171	77.6	111	375
	SIMMENTAL FRANCAISE	341	303	5,410	229	42.4	181	33.4	410	75.9	74	396
	CROSSBRED	2,319	326	7,138	296	41.5	232	32.5	528	74.0	66	410
	MONTBELIARDE	3,329	325	7,483	305	40.7	247	33.0	552	73.8	67	400
	NORMANDE	7,156	325	6,399	272	42.5	221	34.6	493	77.1	68	401
PRIM'HOLSTEIN	79,564	347	9,139	373	40.8	295	32.3	668	73.1	65	419	
Loiret	CROSSBRED	407	318	8,010	328	41.0	262	32.8	591	73.8	65	406
	MONTBELIARDE	243	331	7,701	315	40.9	256	33.2	571	74.1	70	408
	NORMANDE	99	344	6,887	291	42.3	246	35.7	537	77.9	53	410
	PRIM'HOLSTEIN	4,765	354	9,722	390	40.1	312	32.1	702	72.3	66	425
Lot	BRUNE	76	339	7,205	313	43.5	242	33.6	555	77.1	74	422
	CROSSBRED	604	336	7,815	315	40.3	254	32.5	569	72.8	65	410
	MONTBELIARDE	1,042	329	7,317	291	39.8	241	33.0	532	72.8	69	405
	NORMANDE	44	402	6,467	266	41.1	218	33.7	484	74.8	66	410
	PRIM'HOLSTEIN	7,130	344	8,911	353	39.7	284	31.9	638	71.6	66	425
Lot & Garonne	JERSIAISE	79	331	5,125	271	52.9	191	37.2	462	90.1	62	408
	CROSSBRED	614	313	7,444	300	40.3	240	32.3	540	72.5	77	408
	MONTBELIARDE	127	342	7,464	296	39.7	246	33.0	542	72.7	67	396
	NORMANDE	163	329	5,660	240	42.3	195	34.4	434	76.7	192	493
	PRIM'HOLSTEIN	5,668	347	8,871	348	39.3	282	31.7	630	71.0	74	435

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Lozère	ABONDANCE	379	282	4,463	167	37.5	147	32.8	314	70.3	94	392
	BRUNE	735	341	6,901	281	40.7	231	33.5	512	74.2	67	423
	SIMMENTAL FRANCAISE	520	301	5,138	198	38.6	173	33.7	371	72.3	80	394
	CROSSBRED	150	308	5,671	219	38.6	180	31.8	399	70.4	86	397
	MONTBELIARDE	4,986	302	6,067	231	38.0	197	32.4	427	70.4	79	396
	PRIM'HOLSTEIN	1,198	340	7,695	295	38.4	238	30.9	533	69.3	69	421
Maine & Loire	JERSIAISE	2,242	333	5,290	296	55.9	205	38.8	501	94.7	67	410
	BRUNE	578	342	7,804	346	44.3	274	35.1	620	79.4	67	413
	SIMMENTAL FRANCAISE	183	326	7,306	308	42.2	249	34.0	557	76.2	71	405
	CROSSBRED	2,186	338	8,056	341	42.4	267	33.1	608	75.5	73	417
	MONTBELIARDE	4,130	333	7,543	307	40.8	254	33.7	561	74.4	64	397
	NORMANDE	3,599	333	6,598	284	43.1	230	34.9	515	78.0	66	406
	PRIM'HOLSTEIN	53,176	349	9,539	392	41.1	310	32.5	701	73.5	65	417
Manche	JERSIAISE	1,013	327	4,624	270	58.3	182	39.3	452	97.7	69	407
	PIE ROUGE	280	334	8,361	354	42.4	276	33.0	630	75.4	69	425
	BRUNE	298	340	7,352	310	42.2	254	34.5	564	76.7	80	426
	SIMMENTAL FRANCAISE	145	325	6,660	280	42.1	232	34.8	512	76.8	78	415
	CROSSBRED	9,530	328	7,521	305	40.6	248	33.0	553	73.6	68	409
	MONTBELIARDE	1,434	326	7,597	308	40.5	257	33.8	565	74.3	66	401
	NORMANDE	40,690	332	6,725	286	42.6	235	34.9	521	77.5	66	408
	PRIM'HOLSTEIN	75,246	342	9,313	370	39.7	301	32.3	671	72.0	65	420
Marne	CROSSBRED	178	307	7,942	304	38.3	259	32.6	563	70.8	69	397
	MONTBELIARDE	48	316	7,624	291	38.2	251	32.9	542	71.1	70	402
	PRIM'HOLSTEIN	4,278	328	9,271	354	38.2	295	31.9	650	70.1	69	415
Haute Marne	JERSIAISE	158	335	5,264	289	54.9	205	38.9	494	93.8	74	402
	BRUNE	614	336	7,337	307	41.9	253	34.4	560	76.3	73	437
	SIMMENTAL FRANCAISE	2,212	312	6,868	277	40.4	235	34.2	512	74.6	76	393
	CROSSBRED	1,031	322	8,117	324	40.0	269	33.1	593	73.1	66	402
	MONTBELIARDE	6,256	328	7,875	312	39.6	266	33.8	578	73.4	71	402
	PRIM'HOLSTEIN	14,406	346	9,650	376	39.0	311	32.3	688	71.3	70	425
	Mayenne	JERSIAISE	628	343	5,174	300	58.0	202	39.0	502	97.0	67
BRUNE		389	359	7,591	327	43.1	262	34.5	589	77.5	69	430
SIMMENTAL FRANCAISE		386	330	6,613	288	43.5	219	33.1	507	76.6	70	411
CROSSBRED		6,326	333	7,719	319	41.3	255	33.1	574	74.4	62	411
MONTBELIARDE		5,910	331	7,503	304	40.5	252	33.6	556	74.1	62	404
NORMANDE		25,843	325	6,740	285	42.3	235	34.8	520	77.1	61	406
PRIM'HOLSTEIN		90,001	356	9,389	382	40.7	305	32.5	687	73.2	61	426

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Meurthe & Moselle	JERSIAISE	52	332	5,445	280	51.5	200	36.8	481	88.3	63	421
	BRUNE	206	318	7,505	316	42.1	254	33.9	570	76.0	80	415
	CROSSBRED	1,364	319	7,855	315	40.1	253	32.2	568	72.4	68	400
	MONTBELIARDE	1,216	310	6,846	277	40.4	225	32.8	501	73.2	79	403
	PRIM'HOLSTEIN	20,802	339	9,059	359	39.6	287	31.7	645	71.2	68	420
Meuse	BRUNE	205	331	8,399	352	41.9	286	34.0	637	75.9	70	413
	SIMMENTAL FRANCAISE	303	308	7,648	313	41.0	257	33.6	570	74.6	78	393
	CROSSBRED	1,085	312	8,078	323	40.0	263	32.5	586	72.5	72	403
	MONTBELIARDE	792	314	7,425	293	39.4	244	32.9	537	72.3	70	399
	NORMANDE	44	284	6,151	247	40.1	207	33.6	453	73.7	83	387
	PRIM'HOLSTEIN	23,680	339	9,705	378	38.9	310	31.9	688	70.9	69	422
Morbihan	JERSIAISE	70	323	4,886	266	54.4	188	38.5	454	92.9	80	433
	PIE ROUGE	2,769	335	8,214	355	43.2	279	34.0	634	77.2	69	418
	BRETONNE PIE NOIRE	51	235	2,360	99	41.9	74	31.5	173	73.5	147	386
	SIMMENTAL FRANCAISE	254	323	7,021	292	41.6	240	34.1	532	75.8	100	417
	CROSSBRED	2,061	327	7,861	325	41.4	258	32.8	583	74.2	74	408
	MONTBELIARDE	2,884	320	7,513	304	40.5	249	33.2	554	73.7	69	400
	NORMANDE	4,543	330	6,607	280	42.4	228	34.5	508	76.9	69	408
	PRIM'HOLSTEIN	86,119	338	9,186	373	40.6	296	32.2	669	72.8	66	419
Moselle	BRUNE	148	300	6,965	293	42.1	238	34.1	531	76.2	87	430
	SIMMENTAL FRANCAISE	114	297	6,244	259	41.5	212	33.9	471	75.4	82	393
	CROSSBRED	3,058	315	7,534	303	40.2	246	32.6	549	72.8	68	396
	MONTBELIARDE	1,568	309	6,713	269	40.0	221	33.0	490	73.0	68	392
	PRIM'HOLSTEIN	26,127	332	8,915	355	39.8	287	32.2	642	72.0	68	420
Nièvre	CROSSBRED	72	284	6,048	238	39.3	197	32.6	435	71.9	70	392
	MONTBELIARDE	81	315	6,774	266	39.2	219	32.4	485	71.6	63	380
	PRIM'HOLSTEIN	795	342	9,335	363	38.9	295	31.6	658	70.5	78	429
Nord	JERSIAISE	53	328	5,399	289	53.5	202	37.5	491	90.9	79	419
	BRUNE	172	317	7,721	327	42.4	264	34.2	591	76.6	63	417
	CROSSBRED	4,680	320	7,956	316	39.8	256	32.1	572	71.9	69	405
	MONTBELIARDE	1,650	307	7,381	293	39.7	244	33.0	537	72.7	73	396
	BLEUE DU NORD	499	276	4,651	172	37.1	146	31.4	318	68.5	96	393
	NORMANDE	104	297	6,093	249	40.8	203	33.4	452	74.2	71	390
	ROUGE FLAMANDE	498	312	5,884	235	39.9	193	32.8	428	72.7	78	401
	PRIM'HOLSTEIN	40,695	339	9,621	381	39.5	306	31.8	686	71.3	63	411
Oise	CROSSBRED	817	321	7,887	317	40.2	256	32.5	573	72.7	74	410
	MONTBELIARDE	211	334	7,670	307	40.1	251	32.8	559	72.9	66	419
	NORMANDE	357	337	7,709	321	41.6	269	34.9	590	76.5	64	408
	PRIM'HOLSTEIN	9,548	339	9,285	366	39.4	297	32.0	663	71.4	65	416

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Orne	JERSAISE	234	343	5,684	325	57.2	219	38.6	544	95.8	64	412
	BRUNE	145	360	6,968	290	41.6	238	34.2	528	75.8	56	432
	CROSSBRED	3,832	340	7,488	309	41.2	248	33.1	556	74.3	66	414
	MONTBELIARDE	853	328	7,390	299	40.4	248	33.5	546	73.9	68	404
	NORMANDE	25,646	335	6,732	288	42.7	235	34.9	523	77.7	67	410
	PRIM-HOLSTEIN	40,780	356	9,560	385	40.3	309	32.4	695	72.7	64	426
Pas de Calais	BRUNE	221	347	8,532	350	41.0	295	34.6	645	75.6	68	422
	CROSSBRED	2,773	335	8,846	348	39.3	285	32.3	633	71.5	64	405
	MONTBELIARDE	851	326	8,142	318	39.1	267	32.8	585	71.9	66	396
	NORMANDE	197	337	7,388	301	40.8	248	33.6	550	74.4	69	397
	ROUGE FLAMANDE	233	311	5,476	215	39.3	175	32.0	390	71.3	76	391
	PRIM-HOLSTEIN	39,976	348	9,847	381	38.7	313	31.8	694	70.5	65	415
Puy de Dôme	ABONDANCE	660	307	5,346	199	37.3	180	33.7	380	71.0	86	396
	JERSAISE	287	306	4,655	234	50.4	171	36.7	405	87.0	75	390
	BRUNE	343	317	6,404	262	41.0	217	33.9	480	74.9	92	432
	SALERS	244	247	2,837	101	35.5	91	32.2	192	67.7	138	395
	SIMMENTAL FRANCAISE	237	313	5,977	233	39.1	199	33.3	433	72.4	85	398
	CROSSBRED	2,908	315	6,316	245	38.8	203	32.1	448	70.9	77	401
	MONTBELIARDE	13,955	317	6,653	258	38.7	218	32.8	476	71.6	76	402
	NORMANDE	274	295	4,966	194	39.1	164	32.9	357	72.0	98	416
	FERRANDAISE	101	241	2,804	103	36.7	89	31.8	192	68.5	133	381
	PRIM-HOLSTEIN	19,278	341	7,948	309	38.8	251	31.6	560	70.5	74	427
Pyrénées Atlantiques	PIE ROUGE	44	341	7,899	336	42.6	259	32.8	595	75.3	60	409
	BRUNE	210	369	7,493	301	40.2	253	33.8	554	74.0	66	442
	CROSSBRED	362	326	7,914	314	39.7	258	32.6	572	72.3	72	418
	MONTBELIARDE	1,042	323	7,474	290	38.7	249	33.4	539	72.1	77	409
	NORMANDE	48	316	5,577	220	39.5	194	34.8	414	74.2	81	398
	PRIM-HOLSTEIN	10,658	344	9,647	372	38.6	307	31.9	680	70.5	73	430
Hautes Pyrénées	BRUNE	97	366	6,911	295	42.7	240	34.7	535	77.5	85	432
	CROSSBRED	108	348	7,795	304	39.0	245	31.4	549	70.5	81	441
	MONTBELIARDE	355	328	7,397	284	38.4	241	32.5	525	70.9	77	412
	PRIM-HOLSTEIN	2,639	352	9,873	386	39.1	317	32.1	703	71.2	70	438
Pyrénées Orientales	PRIM-HOLSTEIN	90	342	8,176	320	39.1	263	32.1	583	71.3	109	427
Bas Rhin	JERSAISE	82	318	4,561	241	52.8	169	37.1	410	89.9	81	376
	BRUNE	54	314	6,930	284	40.9	235	33.9	519	74.8	72	395
	SIMMENTAL FRANCAISE	1,020	305	7,063	291	41.2	239	33.9	530	75.1	67	390
	CROSSBRED	1,125	324	8,269	332	40.2	271	32.8	603	72.9	67	406
	MONTBELIARDE	1,028	319	8,073	325	40.2	273	33.8	597	74.0	65	404
	VOSGIENNE	113	297	3,777	137	36.4	116	30.6	253	67.0	91	409
	PRIM-HOLSTEIN	20,557	343	10,013	398	39.8	324	32.4	722	72.1	65	422

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Haut Rhin	JERSIAISE	44	365	5,059	270	53.4	194	38.4	464	91.8	92	418
	BRUNE	82	335	7,170	296	41.3	238	33.2	534	74.4	69	416
	SIMMENTAL FRANCAISE	77	262	4,900	199	40.6	162	33.0	360	73.6	74	398
	CROSSBRED	1,010	330	7,467	298	39.9	243	32.5	540	72.4	66	404
	MONTBELIARDE	4,079	324	7,758	314	40.4	259	33.4	573	73.9	66	404
	VOSGIENNE	614	283	4,057	152	37.4	128	31.5	279	68.9	92	396
	PRIM'HOLSTEIN	6,929	345	9,256	368	39.8	297	32.1	665	71.8	64	426
Rhône	BRUNE	106	358	7,144	300	42.0	248	34.7	548	76.7	60	425
	SIMMENTAL FRANCAISE	115	296	6,022	241	40.0	200	33.2	441	73.2	72	398
	CROSSBRED	1,188	313	7,205	286	39.7	235	32.6	521	72.3	73	402
	MONTBELIARDE	12,122	315	7,257	288	39.7	241	33.3	529	72.9	71	399
	PRIM'HOLSTEIN	7,808	337	8,971	354	39.5	287	32.0	641	71.5	68	426
Haute Saône	BRUNE	136	367	7,310	302	41.3	249	34.1	551	75.4	80	459
	SIMMENTAL FRANCAISE	81	301	5,980	242	40.5	200	33.5	442	74.0	77	393
	CROSSBRED	1,139	310	6,956	271	39.0	228	32.8	500	71.8	72	402
	MONTBELIARDE	26,976	314	7,381	290	39.3	248	33.6	538	72.9	70	400
	VOSGIENNE	82	263	3,611	137	37.9	115	31.7	251	69.6	103	389
	PRIM'HOLSTEIN	4,933	335	8,809	347	39.4	286	32.4	632	71.8	73	429
Saône & Loire	JERSIAISE	64	344	4,888	290	59.4	194	39.7	485	99.1	81	452
	SIMMENTAL FRANCAISE	151	318	7,602	311	40.8	259	34.0	569	74.9	74	408
	CROSSBRED	665	305	7,336	292	39.8	238	32.4	530	72.2	82	418
	MONTBELIARDE	12,434	327	7,849	315	40.2	265	33.8	580	73.9	68	406
	PRIM'HOLSTEIN	3,081	346	9,375	371	39.6	302	32.2	673	71.8	70	426
Sarthe	JERSIAISE	178	330	5,953	333	56.0	231	38.8	564	94.7	77	429
	BRUNE	91	370	7,876	338	42.9	278	35.3	615	78.1	83	485
	SIMMENTAL FRANCAISE	108	357	8,189	353	43.1	285	34.9	639	78.0	69	394
	CROSSBRED	2,109	333	7,413	304	41.0	246	33.1	549	74.1	65	417
	MONTBELIARDE	2,279	335	7,872	321	40.8	266	33.8	587	74.6	64	400
	NORMANDE	6,657	335	6,770	293	43.3	239	35.2	532	78.5	65	411
	PRIM'HOLSTEIN	35,950	359	9,681	390	40.3	316	32.7	706	72.9	64	427
Savoie	ABONDANCE	7,647	293	4,930	178	36.1	160	32.5	338	68.6	104	413
	TARENTEISE	7,441	277	4,251	156	36.7	137	32.3	293	69.0	105	400
	CROSSBRED	640	272	4,657	171	36.6	149	32.1	320	68.7	116	411
	MONTBELIARDE	6,775	318	7,330	277	37.8	244	33.3	521	71.1	72	403
	PRIM'HOLSTEIN	250	347	9,058	341	37.7	295	32.6	636	70.2	90	474

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Haute Savoie	ABONDANCE	11,698	292	5,834	211	36.2	193	33.1	404	69.3	89	403
	BRUNE	98	326	5,787	235	40.6	199	34.4	434	75.1	90	428
	TARENDAISE	474	270	4,410	159	36.2	145	32.9	305	69.1	103	396
	SIMMENTAL FRANCAISE	111	292	6,708	258	38.4	235	35.1	493	73.5	73	398
	CROSSBRED	559	299	6,795	254	37.4	221	32.6	476	70.0	81	409
	MONTBELIARDE	22,153	311	7,419	279	37.7	246	33.1	525	70.8	75	403
	PRIM·HOLSTEIN	1,784	330	9,581	363	37.9	304	31.7	668	69.7	71	425
Seine Maritime	JERISIAISE	166	333	4,501	247	54.9	176	39.1	423	94.0	69	395
	PIE ROUGE	1,043	315	7,591	319	42.0	256	33.7	575	75.8	68	404
	BRUNE	46	357	8,183	357	43.7	290	35.4	647	79.1	95	446
	CROSSBRED	5,680	321	7,578	304	40.2	248	32.7	552	72.9	66	406
	MONTBELIARDE	1,105	324	7,854	314	40.0	261	33.2	575	73.2	63	406
	NORMANDE	13,906	323	6,717	281	41.9	233	34.7	514	76.6	67	405
	PRIM·HOLSTEIN	30,030	341	9,391	367	39.1	300	32.0	668	71.1	63	421
Seine & Marne	CROSSBRED	83	338	8,822	360	40.8	286	32.5	646	73.3	57	399
	PRIM·HOLSTEIN	2,543	360	10,068	397	39.4	321	31.9	718	71.3	64	423
Yvelines	JERISIAISE	42	275	3,271	178	54.5	127	38.8	305	93.3	253	445
	PRIM·HOLSTEIN	1,041	315	9,885	376	38.1	306	30.9	682	69.0	70	400
Deux Sèvres	JERISIAISE	352	324	5,692	318	55.9	222	39.1	540	95.0	68	400
	CROSSBRED	435	331	8,814	351	39.8	289	32.8	639	72.5	64	410
	MONTBELIARDE	985	319	7,434	296	39.8	248	33.4	544	73.2	70	408
	NORMANDE	602	336	6,489	271	41.8	223	34.4	495	76.2	69	412
	PRIM·HOLSTEIN	20,440	354	9,953	398	39.9	323	32.4	720	72.4	65	420
Somme	JERISIAISE	51	331	5,661	305	53.8	217	38.4	522	92.2	86	419
	PIE ROUGE	73	425	7,335	325	44.3	245	33.4	570	77.7	85	504
	BRUNE	84	358	8,063	338	42.0	278	34.5	617	76.5	61	413
	CROSSBRED	2,024	327	8,778	345	39.4	283	32.3	629	71.6	70	407
	MONTBELIARDE	677	312	7,810	308	39.4	258	33.0	566	72.4	65	394
	NORMANDE	440	335	7,470	313	41.9	259	34.7	572	76.6	70	414
	PRIM·HOLSTEIN	23,102	332	9,653	375	38.9	308	31.9	683	70.8	66	413
Tarn	ABONDANCE	79	316	4,450	167	37.6	146	32.8	313	70.4	89	399
	BRUNE	311	360	6,491	277	42.6	219	33.8	496	76.4	65	430
	CROSSBRED	494	322	6,968	283	40.6	223	32.0	506	72.7	76	417
	MONTBELIARDE	464	337	6,569	262	39.9	214	32.5	476	72.5	71	406
	PRIM·HOLSTEIN	8,890	348	8,794	348	39.5	278	31.7	626	71.2	70	431
Tarn & Garonne	BRUNE	87	393	5,662	246	43.5	194	34.2	440	77.7	55	471
	CROSSBRED	290	329	6,920	298	43.1	222	32.1	521	75.2	66	416
	MONTBELIARDE	211	325	7,093	309	43.5	231	32.6	540	76.1	69	403
	PRIM·HOLSTEIN	3,064	368	8,776	351	40.0	280	31.9	632	72.0	69	437

¹Only the breeds with more than 40 results are listed here.



Complete lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of Lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Drying off duration days	Calving interval days
Vendée	JERSLAISE	496	307	4,747	262	55.3	177	37.3	440	92.6	79	403
	BRUNE	191	354	8,049	354	44.0	283	35.1	637	79.1	67	424
	SIMMENTAL FRANCAISE	98	295	6,480	264	40.7	218	33.6	482	74.3	62	405
	CROSSBRED	1,506	339	8,127	336	41.4	267	32.8	603	74.2	71	409
	MONTBELIARDE	2,357	329	7,982	322	40.4	270	33.8	592	74.2	65	399
	NORMANDE	1,793	329	6,668	285	42.7	236	35.4	520	78.1	69	405
	PRIM-HOLSTEIN	50,986	353	9,664	395	40.9	312	32.3	708	73.2	66	420
Vienne	CROSSBRED	296	366	8,908	374	42.0	289	32.5	664	74.5	64	429
	MONTBELIARDE	332	346	7,686	314	40.8	261	34.0	575	74.8	67	394
	NORMANDE	215	352	6,665	291	43.6	230	34.5	521	78.1	69	417
	PRIM-HOLSTEIN	5,795	366	9,601	387	40.3	311	32.4	698	72.7	62	432
Haute Vienne	CROSSBRED	396	312	6,407	263	41.0	207	32.3	470	73.3	69	392
	MONTBELIARDE	313	303	5,569	227	40.7	182	32.6	408	73.3	87	388
	NORMANDE	578	324	5,411	237	43.9	185	34.2	422	78.1	70	396
	PRIM-HOLSTEIN	3,635	355	9,017	358	39.7	289	32.0	647	71.7	69	429
Vosges	AYRSHIRE	113	327	7,069	344	48.6	219	30.9	562	79.5	87	446
	BRUNE	198	334	6,439	265	41.2	215	33.4	480	74.6	88	434
	SIMMENTAL FRANCAISE	538	303	6,408	260	40.6	214	33.4	474	74.0	70	393
	CROSSBRED	2,430	325	7,452	298	40.1	242	32.5	541	72.5	71	404
	MONTBELIARDE	9,118	326	7,307	290	39.7	242	33.1	533	72.9	72	404
	NORMANDE	75	292	5,957	240	40.3	198	33.3	438	73.5	84	401
	VOSGIENNE	503	281	3,679	135	36.8	115	31.2	250	67.9	98	399
	PRIM-HOLSTEIN	27,977	343	8,781	349	39.8	282	32.1	631	71.9	68	421
Yonne	BRUNE	146	350	6,772	287	42.4	229	33.8	516	76.1	63	430
	CROSSBRED	658	341	8,476	341	40.3	277	32.7	619	73.0	67	418
	MONTBELIARDE	807	332	7,566	304	40.2	250	33.0	554	73.2	67	413
	NORMANDE	84	326	6,725	293	43.6	235	35.0	528	78.5	62	403
	PRIM-HOLSTEIN	7,241	368	9,981	397	39.8	319	31.9	716	71.7	66	434
Territoire de Belfort	CROSSBRED	164	319	7,405	298	40.3	242	32.7	540	73.0	68	417
	MONTBELIARDE	2,190	331	7,990	316	39.6	268	33.5	584	73.1	66	415
	PRIM-HOLSTEIN	1,390	346	9,108	363	39.9	294	32.3	658	72.2	66	430
Val d'Oise	PRIM-HOLSTEIN	175	328	8,923	335	37.6	279	31.3	614	68.9	69	429
Réunion	BRUNE	147	364	7,222	289	40.1	255	35.3	544	75.3	71	431
	CROSSBRED	407	330	7,078	269	38.1	229	32.4	499	70.4	75	405
	MONTBELIARDE	113	317	6,862	260	37.9	223	32.5	483	70.4	79	401
	PRIM-HOLSTEIN	1,923	356	8,124	300	36.9	255	31.4	555	68.3	84	452

¹Only the breeds with more than 40 results are listed here.



3.4 - Complete lactations - all breeds - first lactations

Local area ¹	Number of lactations	lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Ain	10,692	332	7,568	302	39.9	253	33.4	554	73.2	33
Aisne	7,478	344	8,434	333	39.5	273	32.4	607	71.9	30
Allier	1,598	349	7,960	313	39.3	258	32.5	571	71.8	31
Alpes Hte Provence	187	288	5,148	199	38.7	170	33.0	369	71.8	35
Hautes Alpes	781	328	5,450	209	38.3	175	32.2	384	70.5	37
Ardèche	1,684	336	6,566	260	39.6	215	32.8	476	72.4	34
Ardennes	5,158	342	7,999	314	39.2	257	32.2	571	71.4	33
Ariège	928	366	8,551	332	38.8	280	32.7	612	71.5	32
Aube	2,614	356	8,743	341	39.0	283	32.3	624	71.4	32
Aude	97	369	7,884	312	39.6	258	32.7	570	72.3	32
Aveyron	11,281	346	7,512	298	39.7	243	32.3	541	72.0	30
Calvados	18,919	342	7,601	305	40.1	250	32.9	555	73.0	32
Cantal	13,946	327	6,394	249	38.9	206	32.2	455	71.1	33
Charente	2,129	360	7,792	317	40.7	254	32.6	571	73.2	30
Charente Maritime	3,327	358	8,394	333	39.7	274	32.6	607	72.3	30
Cher	1,224	358	8,142	328	40.3	266	32.6	594	73.0	31
Corrèze	1,458	347	6,972	273	39.2	223	32.0	496	71.2	32
Côte d'Or	4,369	337	7,176	288	40.2	241	33.6	529	73.7	33
Côtes d'Armor	41,409	331	7,746	311	40.2	248	32.1	560	72.3	28
Creuse	1,166	350	7,341	288	39.2	236	32.1	524	71.3	31
Dordogne	3,440	360	8,471	337	39.7	276	32.6	613	72.4	31
Doubs	27,988	301	6,165	233	37.8	203	33.0	436	70.8	33
Drôme	860	357	8,134	324	39.8	271	33.3	595	73.1	32
Eure	6,081	347	8,036	322	40.1	265	33.0	588	73.1	32
Eure & Loir	2,079	358	8,309	337	40.6	276	33.2	613	73.8	31
Finistère	34,002	330	7,380	296	40.2	235	31.9	532	72.0	28
Haute Garonne	2,318	357	8,317	324	39.0	269	32.3	593	71.3	31
Gers	446	325	6,896	268	38.8	221	32.0	488	70.8	31
Gironde	1,138	367	8,735	336	38.5	283	32.4	619	70.9	31
Ille & Vilaine	66,904	343	7,808	316	40.4	252	32.3	568	72.7	28
Indre	1,534	381	9,323	376	40.3	307	32.9	683	73.2	30
Indre & Loire	4,544	353	8,859	354	39.9	289	32.6	643	72.6	30
Isère	6,613	339	7,619	304	39.9	252	33.1	556	73.0	33
Jura	15,302	308	6,188	232	37.5	205	33.2	437	70.7	34
Landes	1,453	342	8,382	331	39.5	266	31.8	597	71.2	28
Loir & Cher	2,962	360	8,731	352	40.3	284	32.6	636	72.9	29
Loire	11,680	332	7,451	295	39.6	243	32.6	538	72.3	30
Haute Loire	12,054	334	7,004	279	39.9	231	32.9	510	72.8	31
Loire Atlantique	33,846	343	7,826	319	40.8	255	32.5	574	73.3	29
Loiret	2,082	359	8,763	351	40.0	285	32.6	636	72.6	31
Lot	2,885	351	8,094	320	39.6	262	32.3	582	71.9	31
Lot & Garonne	2,104	352	8,115	319	39.3	261	32.2	580	71.4	30
Lozère	2,112	321	5,859	225	38.3	191	32.6	415	70.9	33
Maine & Loire	24,522	347	8,131	335	41.2	268	32.9	602	74.1	29
Manche	46,013	345	7,706	312	40.5	256	33.2	567	73.6	31
Marne	1,722	337	8,468	323	38.1	273	32.3	596	70.3	30
Haute Marne	8,734	341	8,152	320	39.3	271	33.2	591	72.5	33

¹Only the local areas which count up more than 40 results are listed here.



Complete lactations - all breeds - first lactations (cont.)

Local area ¹	Number of lactations	lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Mayenne	48,465	352	7,906	321	40.6	260	32.9	581	73.5	29
Meurthe & Moselle	8,216	340	8,151	322	39.5	261	32.0	582	71.5	32
Meuse	9,593	342	8,744	341	39.0	282	32.2	623	71.2	31
Morbihan	34,078	334	7,863	318	40.4	255	32.4	573	72.8	28
Moselle	11,040	330	7,900	314	39.7	257	32.6	571	72.3	32
Nièvre	372	336	8,321	320	38.4	265	31.9	585	70.3	32
Nord	18,546	341	8,569	336	39.2	274	32.0	610	71.2	29
Oise	4,217	343	8,421	332	39.5	272	32.3	604	71.8	30
Orne	25,735	352	7,725	316	40.9	257	33.3	573	74.2	32
Pas de Calais	17,024	353	9,002	346	38.4	288	32.0	634	70.4	31
Puy de Dôme	11,223	336	6,771	262	38.7	218	32.2	481	71.0	33
Pyrénées Atlantiques	4,200	349	8,811	340	38.5	284	32.3	624	70.8	29
Hautes Pyrénées	1,073	358	9,021	353	39.1	294	32.5	647	71.7	30
Pyrénées Orientales	48	341	6,488	261	40.3	211	32.6	473	72.8	34
Bas Rhin	8,825	344	8,960	356	39.7	294	32.8	650	72.5	31
Haut Rhin	4,316	337	7,712	308	39.9	253	32.8	561	72.7	32
Rhône	6,282	334	7,340	290	39.6	241	32.9	531	72.4	32
Haute Saône	10,911	320	6,867	270	39.4	231	33.7	502	73.1	34
Saône & Loire	5,547	340	7,599	304	40.0	256	33.7	560	73.7	33
Sarthe	18,510	357	8,388	339	40.4	279	33.2	617	73.6	31
Savoie	6,438	301	4,989	187	37.6	166	33.2	353	70.8	36
Haute Savoie	10,914	307	6,261	236	37.6	209	33.5	445	71.1	34
Seine Maritime	19,162	343	7,839	311	39.7	258	32.9	569	72.6	32
Seine & Marne	998	366	9,342	368	39.4	302	32.3	670	71.7	30
Yvelines	451	320	8,504	332	39.0	268	31.5	599	70.5	27
Deux Sèvres	8,361	356	8,845	354	40.0	290	32.8	645	72.9	29
Somme	10,302	340	8,831	341	38.7	285	32.2	626	70.9	30
Tarn	3,381	351	7,835	308	39.3	251	32.0	559	71.3	30
Tarn & Garonne	1,119	373	7,971	319	40.1	258	32.3	577	72.4	32
Vendée	21,657	352	8,524	346	40.6	278	32.6	624	73.3	28
Vienne	2,405	378	8,742	354	40.5	286	32.8	640	73.2	29
Haute Vienne	1,633	353	7,649	305	39.9	248	32.5	554	72.4	32
Vosges	14,240	337	7,602	301	39.6	247	32.5	549	72.2	34
Yonne	3,392	372	8,940	356	39.8	289	32.3	645	72.1	32
Territoire de Belfort	1,215	341	7,870	313	39.8	262	33.3	575	73.1	32
Val d'Oise	61	345	7,807	304	39.0	247	31.7	552	70.7	27
Réunion	821	366	7,491	277	36.9	241	32.1	517	69.1	31

¹Only the local areas which count up more than 40 results are listed here.



3.5 - Complete lactations - first lactations per local area and breed

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Ain	BRUNE	54	336	6,678	274	41.0	234	35.0	507	75.9	34
	SIMMENTAL FRANCAISE	182	307	5,834	228	39.1	198	33.9	426	72.9	35
	CROSSBRED	588	326	7,644	304	39.8	253	33.1	557	72.9	33
	MONTBELIARDE	7,301	327	7,101	284	40.0	240	33.8	524	73.8	33
	PRIM'HOLSTEIN	2,530	349	9,085	359	39.5	295	32.4	654	71.9	30
Aisne	CROSSBRED	678	340	7,795	314	40.3	255	32.7	569	73.0	31
	MONTBELIARDE	195	332	6,927	275	39.7	231	33.3	506	73.0	34
	NORMANDE	121	331	5,471	224	40.9	186	33.9	409	74.8	36
	PRIM'HOLSTEIN	6,421	345	8,616	339	39.4	278	32.3	617	71.6	30
Allier	CROSSBRED	62	319	6,619	260	39.3	213	32.1	473	71.4	33
	MONTBELIARDE	148	291	5,456	217	39.8	184	33.8	402	73.6	37
	NORMANDE	71	342	6,323	262	41.4	218	34.5	479	75.8	31
	PRIM'HOLSTEIN	1,283	359	8,466	331	39.1	273	32.3	604	71.3	30
Alpes Hte Provence	MONTBELIARDE	124	292	5,478	210	38.3	180	32.8	390	71.2	35
Hautes Alpes	ABONDANCE	113	320	4,196	156	37.1	138	32.9	294	70.0	40
	TARENDAISE	60	294	3,892	142	36.5	127	32.7	269	69.2	37
	CROSSBRED	64	333	5,264	204	38.7	173	32.8	376	71.5	37
	MONTBELIARDE	365	324	5,567	215	38.6	180	32.4	395	71.0	37
	PRIM'HOLSTEIN	166	352	6,716	257	38.3	208	31.0	466	69.3	34
Ardèche	ABONDANCE	121	328	5,374	207	38.5	183	34.1	390	72.5	36
	CROSSBRED	112	319	5,639	224	39.7	183	32.4	407	72.1	35
	MONTBELIARDE	1,100	334	6,329	253	40.0	209	33.1	463	73.1	34
	PRIM'HOLSTEIN	342	352	8,118	316	38.9	258	31.8	574	70.7	31
Ardennes	CROSSBRED	487	337	7,005	278	39.6	226	32.3	504	71.9	35
	MONTBELIARDE	142	311	6,187	246	39.7	204	32.9	449	72.6	36
	PRIM'HOLSTEIN	4,468	344	8,203	321	39.1	264	32.1	584	71.3	32
Ariège	BRUNE	142	369	7,558	318	42.1	264	34.9	582	77.0	32
	MONTBELIARDE	74	326	5,834	225	38.6	191	32.8	416	71.4	37
	PRIM'HOLSTEIN	667	372	9,262	353	38.2	300	32.4	653	70.5	31
Aube	BRUNE	91	340	7,427	307	41.4	258	34.8	566	76.2	33
	CROSSBRED	140	357	8,116	322	39.7	266	32.8	588	72.4	34
	MONTBELIARDE	146	294	6,667	258	38.7	229	34.4	488	73.1	34
	PRIM'HOLSTEIN	2,191	361	9,021	351	38.9	290	32.1	640	71.0	32
Aude	PRIM'HOLSTEIN	72	380	8,567	337	39.3	278	32.4	615	71.8	31

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Aveyron	AUBRAC	54	166	1,417	58	41.2	48	34.1	107	75.3	36
	BRUNE	686	342	6,536	275	42.0	224	34.3	499	76.3	31
	SIMMENTAL FRANCAISE	793	317	5,274	209	39.7	178	33.7	387	73.3	34
	CROSSBRED	322	328	6,434	254	39.4	206	32.0	460	71.5	31
	MONTBELIARDE	1,072	339	6,267	250	39.8	208	33.2	458	73.1	33
	PRIM'HOLSTEIN	8,265	352	8,079	319	39.5	259	32.0	578	71.5	29
Calvados	JERSIAISE	127	363	5,407	323	59.6	219	40.5	541	100.1	25
	CROSSBRED	1,708	333	6,735	269	39.9	220	32.6	488	72.5	33
	MONTBELIARDE	278	334	6,618	273	41.2	221	33.4	494	74.6	35
	NORMANDE	3,837	338	5,980	251	42.0	208	34.8	460	76.8	35
	PRIM'HOLSTEIN	12,917	344	8,244	326	39.6	268	32.5	594	72.1	31
Cantal	ABONDANCE	120	305	4,126	153	37.2	138	33.5	292	70.7	37
	JERSIAISE	61	322	4,289	227	53.0	156	36.3	383	89.2	27
	BRUNE	272	358	6,245	261	41.8	213	34.1	474	75.9	33
	SALERS	188	215	1,641	58	35.1	54	32.7	111	67.8	36
	SIMMENTAL FRANCAISE	286	308	4,572	179	39.1	153	33.5	332	72.6	37
	CROSSBRED	978	307	5,473	212	38.8	173	31.7	385	70.4	34
	MONTBELIARDE	4,802	315	5,800	224	38.6	191	32.9	415	71.5	34
	NORMANDE	67	341	5,538	229	41.3	188	33.9	417	75.2	34
	PRIM'HOLSTEIN	7,134	340	7,195	281	39.0	228	31.7	508	70.7	31
Charente	JERSIAISE	77	348	5,423	310	57.1	215	39.6	524	96.7	28
	CROSSBRED	110	335	6,613	271	41.0	217	32.8	488	73.8	31
	MONTBELIARDE	132	323	6,332	254	40.1	212	33.5	466	73.6	36
	NORMANDE	179	355	6,073	263	43.3	212	34.8	474	78.1	33
	PRIM'HOLSTEIN	1,620	366	8,307	332	40.0	267	32.1	599	72.1	29
Charente Maritime	CROSSBRED	174	358	7,498	303	40.4	247	32.9	549	73.3	32
	MONTBELIARDE	117	356	7,377	303	41.1	249	33.8	552	74.9	32
	NORMANDE	151	332	5,785	244	42.2	198	34.2	442	76.4	30
	PRIM'HOLSTEIN	2,859	360	8,640	341	39.5	281	32.5	622	72.0	30
Cher	CROSSBRED	162	342	7,249	290	40.0	237	32.7	527	72.7	33
	PRIM'HOLSTEIN	992	364	8,504	341	40.1	276	32.5	617	72.5	31
Corrèze	CROSSBRED	77	311	5,781	227	39.2	185	32.0	412	71.2	34
	MONTBELIARDE	129	325	5,680	227	39.9	187	32.9	414	72.8	35
	PRIM'HOLSTEIN	1,199	354	7,311	285	39.0	233	31.8	518	70.8	32
Côte d'Or	BRUNE	989	340	7,362	307	41.7	258	35.0	565	76.7	32
	SIMMENTAL FRANCAISE	507	313	6,448	262	40.7	220	34.1	482	74.8	35
	CROSSBRED	152	331	6,364	252	39.7	209	32.8	461	72.5	32
	MONTBELIARDE	1,383	332	6,664	265	39.7	225	33.8	490	73.5	34
	PRIM'HOLSTEIN	1,306	350	8,035	316	39.3	259	32.2	575	71.6	31

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Côtes d'Armor	PIE ROUGE	448	335	6,618	282	42.6	220	33.3	502	75.9	29
	BRUNE	142	347	6,601	280	42.4	222	33.7	502	76.1	31
	CROSSBRED	1,135	331	7,141	292	40.8	229	32.1	521	72.9	30
	MONTBELIARDE	740	324	6,564	267	40.7	216	32.9	483	73.6	31
	NORMANDE	2,628	332	6,052	259	42.8	207	34.2	466	77.0	30
	PRIM'HOLSTEIN	36,273	331	7,934	317	40.0	253	31.9	571	71.9	28
Creuse	CROSSBRED	72	350	6,630	262	39.6	212	31.9	474	71.5	34
	MONTBELIARDE	101	318	5,781	230	39.8	194	33.5	424	73.3	35
	PRIM'HOLSTEIN	955	355	7,672	300	39.0	245	32.0	545	71.0	31
Dordogne	CROSSBRED	215	340	7,300	299	40.9	242	33.2	541	74.1	32
	MONTBELIARDE	263	340	7,104	289	40.7	240	33.8	529	74.5	34
	NORMANDE	46	331	5,162	212	41.1	178	34.5	391	75.7	33
	PRIM'HOLSTEIN	2,886	364	8,760	347	39.6	284	32.4	631	72.0	31
Doubs	SIMMENTAL FRANCAISE	53	287	4,896	188	38.4	161	32.9	349	71.3	36
	CROSSBRED	360	304	6,530	256	39.2	213	32.6	469	71.8	33
	MONTBELIARDE	26,922	300	6,117	231	37.7	202	33.0	433	70.7	33
	PRIM'HOLSTEIN	631	332	8,068	309	38.3	262	32.5	571	70.8	32
Drôme	CROSSBRED	49	363	7,331	286	39.0	243	33.2	529	72.2	34
	MONTBELIARDE	463	351	7,151	287	40.2	240	33.5	527	73.7	35
	PRIM'HOLSTEIN	323	364	9,922	393	39.6	328	33.0	721	72.7	29
Eure	CROSSBRED	584	343	7,384	297	40.2	245	33.2	542	73.4	34
	MONTBELIARDE	53	329	7,140	292	40.9	244	34.1	536	75.1	35
	NORMANDE	1,263	335	6,263	266	42.5	219	35.0	485	77.5	35
	PRIM'HOLSTEIN	4,147	351	8,708	344	39.5	283	32.6	628	72.1	31
Eure & Loir	NORMANDE	485	350	6,359	271	42.7	224	35.3	496	77.9	32
	PRIM'HOLSTEIN	1,468	362	9,106	363	39.9	297	32.6	660	72.5	30
Finistère	JERSIAISE	115	324	3,849	215	55.8	146	37.8	360	93.6	25
	PIE ROUGE	556	322	6,735	284	42.2	224	33.2	508	75.5	28
	BRUNE	135	340	6,669	281	42.1	225	33.8	506	75.9	29
	CROSSBRED	1,316	328	6,465	264	40.9	208	32.1	472	73.0	28
	MONTBELIARDE	322	321	6,351	260	40.9	209	32.8	469	73.8	29
	NORMANDE	974	329	5,703	244	42.8	194	34.0	438	76.7	31
	PRIM'HOLSTEIN	30,570	330	7,512	300	40.0	239	31.8	539	71.8	28
Haute Garonne	CROSSBRED	62	358	7,560	305	40.3	248	32.8	553	73.2	32
	MONTBELIARDE	283	352	7,068	282	39.9	239	33.8	521	73.7	34
	PRIM'HOLSTEIN	1,908	358	8,602	334	38.8	276	32.1	610	70.9	31

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Gers	PRIM·HOLSTEIN	374	326	7,118	275	38.6	226	31.7	500	70.3	31
Gironde	CROSSBRED	47	323	6,300	242	38.5	206	32.7	449	71.2	32
	PRIM·HOLSTEIN	1,054	370	8,940	343	38.4	290	32.4	633	70.8	31
Ille & Vilaine	JERSAISE	123	352	4,314	230	53.4	161	37.2	391	90.6	27
	PIE ROUGE	344	338	6,742	284	42.2	224	33.3	509	75.4	29
	BRUNE	122	336	6,821	288	42.2	232	34.1	520	76.3	30
	SIMMENTAL FRANCAISE	42	281	4,287	180	42.0	138	32.3	318	74.2	32
	CROSSBRED	2,665	336	6,695	270	40.4	216	32.2	486	72.6	30
	MONTBELIARDE	1,853	334	6,647	271	40.7	220	33.2	491	73.9	30
	NORMANDE	5,475	337	6,034	256	42.5	206	34.1	462	76.6	31
	PRIM·HOLSTEIN	56,249	344	8,093	326	40.2	260	32.1	586	72.4	28
Indre	CROSSBRED	80	365	8,737	349	39.9	287	32.9	636	72.8	31
	PRIM·HOLSTEIN	1,402	383	9,452	381	40.3	311	32.9	692	73.2	30
Indre & Loire	CROSSBRED	190	332	7,553	305	40.3	244	32.3	548	72.6	32
	MONTBELIARDE	184	345	7,259	300	41.3	242	33.4	542	74.7	32
	NORMANDE	86	319	5,641	244	43.2	195	34.5	438	77.7	32
	PRIM·HOLSTEIN	4,066	356	9,069	361	39.8	296	32.6	657	72.4	29
Isère	ABONDANCE	121	321	5,325	197	37.0	178	33.3	375	70.3	36
	SIMMENTAL FRANCAISE	121	314	6,386	271	42.4	217	34.0	488	76.4	34
	CROSSBRED	307	325	7,023	281	40.0	231	32.8	512	72.8	33
	MONTBELIARDE	3,945	335	7,293	294	40.3	244	33.5	538	73.8	34
	PRIM·HOLSTEIN	2,043	352	8,634	339	39.2	279	32.3	617	71.5	30
Jura	SIMMENTAL FRANCAISE	379	317	5,983	240	40.1	204	34.2	444	74.2	36
	CROSSBRED	204	331	6,287	250	39.8	214	34.0	464	73.8	35
	MONTBELIARDE	14,427	306	6,141	229	37.3	204	33.1	433	70.5	34
	PRIM·HOLSTEIN	263	360	9,194	365	39.7	303	32.9	667	72.6	30
Landes	PRIM·HOLSTEIN	1,397	341	8,438	333	39.4	268	31.7	600	71.1	28
Loir & Cher	CROSSBRED	54	357	8,326	332	39.9	273	32.8	605	72.7	27
	MONTBELIARDE	52	319	7,517	306	40.7	255	34.0	561	74.6	29
	NORMANDE	340	351	6,452	280	43.3	222	34.5	502	77.8	32
	PRIM·HOLSTEIN	2,497	362	9,088	363	40.0	294	32.4	657	72.3	29
Loire	ABONDANCE	40	301	4,747	179	37.7	160	33.6	339	71.4	35
	BRUNE	87	360	6,963	291	41.8	239	34.3	530	76.1	32
	SIMMENTAL FRANCAISE	94	287	6,474	261	40.3	217	33.5	478	73.8	30
	CROSSBRED	553	325	6,955	276	39.7	227	32.6	503	72.3	31
	MONTBELIARDE	4,843	321	6,685	267	40.0	224	33.5	491	73.4	32
	PRIM·HOLSTEIN	6,012	342	8,177	322	39.4	262	32.0	584	71.4	29

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed

(cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Haute Loire	ABONDANCE	209	317	4,833	182	37.7	164	33.9	346	71.7	36
	BRUNE	82	356	6,229	258	41.5	208	33.4	466	74.8	33
	TARENTEISE	50	309	4,160	167	40.2	144	34.6	311	74.8	36
	CROSSBRED	722	317	6,410	255	39.8	209	32.5	464	72.3	32
	MONTBELIARDE	7,583	329	6,682	267	40.0	223	33.4	490	73.4	32
	PRIM'HOLSTEIN	3,363	349	8,081	322	39.8	260	32.1	581	71.9	30
Loire Atlantique	JERISIAISE	69	316	4,137	227	55.0	153	36.9	380	91.9	27
	PIE ROUGE	113	327	6,863	301	43.8	238	34.7	539	78.5	29
	BRUNE	96	328	5,811	244	42.0	194	33.3	438	75.3	31
	SIMMENTAL FRANCAISE	91	296	4,481	191	42.6	150	33.6	341	76.1	34
	CROSSBRED	872	328	6,432	264	41.1	209	32.4	473	73.5	30
	MONTBELIARDE	1,075	330	6,801	277	40.8	225	33.2	503	73.9	32
	NORMANDE	2,505	332	5,856	249	42.6	202	34.4	451	77.0	32
	PRIM'HOLSTEIN	28,988	345	8,111	329	40.6	263	32.4	592	73.0	29
Loiret	CROSSBRED	153	322	7,488	308	41.1	250	33.4	558	74.5	32
	MONTBELIARDE	77	338	6,899	281	40.7	229	33.2	510	73.9	34
	PRIM'HOLSTEIN	1,814	362	8,985	358	39.9	291	32.4	650	72.3	31
Lot	CROSSBRED	214	339	7,277	290	39.8	236	32.4	526	72.3	32
	MONTBELIARDE	308	340	6,898	275	39.8	228	33.1	503	72.9	33
	PRIM'HOLSTEIN	2,324	353	8,355	330	39.5	269	32.2	599	71.7	31
Lot & Garonne	CROSSBRED	201	313	6,512	261	40.1	210	32.2	471	72.3	30
	MONTBELIARDE	49	332	7,200	288	40.0	240	33.4	528	73.3	32
	NORMANDE	44	322	5,110	220	43.1	177	34.6	397	77.7	35
	PRIM'HOLSTEIN	1,788	358	8,424	329	39.1	270	32.1	599	71.1	30
Lozère	ABONDANCE	87	295	3,838	142	37.0	126	32.8	268	69.8	35
	BRUNE	212	334	6,262	254	40.5	209	33.4	463	73.9	31
	SIMMENTAL FRANCAISE	149	322	4,854	190	39.2	165	34.0	355	73.1	36
	MONTBELIARDE	1,250	314	5,692	217	38.1	187	32.8	404	70.9	33
	PRIM'HOLSTEIN	359	346	7,298	274	37.6	226	31.0	500	68.6	30
Maine & Loire	JERISIAISE	696	346	4,853	269	55.4	186	38.4	455	93.7	26
	BRUNE	201	350	7,067	312	44.2	249	35.3	562	79.5	29
	SIMMENTAL FRANCAISE	58	305	6,054	254	41.9	207	34.1	460	76.0	30
	CROSSBRED	781	342	7,329	306	41.7	243	33.2	549	74.9	30
	MONTBELIARDE	1,345	340	6,790	276	40.7	229	33.8	505	74.4	32
	NORMANDE	1,250	341	6,044	260	43.1	211	34.9	471	78.0	32
	PRIM'HOLSTEIN	20,179	348	8,512	347	40.8	278	32.6	625	73.4	28

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Manche	JERISIAISE	244	343	4,273	243	56.9	163	38.1	406	95.0	26
	PIE ROUGE	83	349	7,679	324	42.2	255	33.2	579	75.3	31
	BRUNE	108	348	6,733	285	42.3	231	34.4	516	76.6	31
	SIMMENTAL FRANCAISE	64	345	6,630	283	42.7	234	35.2	517	77.9	31
	CROSSBRED	3,527	336	7,028	284	40.3	232	33.0	515	73.3	32
	MONTBELIARDE	462	334	7,011	284	40.5	238	33.9	522	74.4	33
	NORMANDE	13,979	345	6,366	272	42.8	223	35.0	495	77.8	33
	PRIM'HOLSTEIN	27,543	347	8,521	336	39.5	277	32.5	613	72.0	30
Marne	CROSSBRED	52	301	6,730	255	37.9	220	32.8	475	70.6	32
	PRIM'HOLSTEIN	1,629	338	8,596	327	38.0	277	32.2	604	70.2	30
Haute Marne	BRUNE	208	322	6,344	264	41.6	219	34.5	483	76.1	34
	SIMMENTAL FRANCAISE	728	312	6,144	251	40.8	213	34.7	464	75.5	35
	CROSSBRED	368	321	7,353	292	39.7	245	33.3	537	73.0	33
	MONTBELIARDE	1,949	335	7,213	288	39.9	247	34.2	534	74.1	35
	PRIM'HOLSTEIN	5,420	350	8,919	347	38.9	292	32.7	638	71.6	32
Mayenne	JERISIAISE	223	351	4,496	259	57.6	176	39.2	435	96.8	25
	BRUNE	144	348	6,605	279	42.2	226	34.2	505	76.5	31
	SIMMENTAL FRANCAISE	119	330	6,050	263	43.5	202	33.3	465	76.8	32
	CROSSBRED	2,293	342	7,143	291	40.8	236	33.0	527	73.8	30
	MONTBELIARDE	1,929	338	6,732	272	40.4	226	33.6	498	73.9	31
	NORMANDE	9,484	333	6,237	264	42.3	216	34.7	480	77.0	31
	PRIM'HOLSTEIN	34,250	360	8,521	343	40.2	277	32.5	620	72.7	28
Meurthe & Moselle	BRUNE	71	305	6,332	257	40.6	211	33.4	468	73.9	31
	CROSSBRED	450	326	7,178	289	40.3	232	32.3	521	72.6	33
	MONTBELIARDE	370	315	6,297	255	40.5	209	33.2	464	73.7	35
	PRIM'HOLSTEIN	7,287	342	8,337	328	39.4	266	31.9	594	71.3	32
Meuse	BRUNE	65	312	7,115	292	41.0	241	33.8	533	74.9	31
	SIMMENTAL FRANCAISE	85	315	6,968	293	42.0	237	33.9	529	76.0	36
	CROSSBRED	351	314	7,149	285	39.9	233	32.6	518	72.5	33
	MONTBELIARDE	266	319	6,804	270	39.7	224	32.9	494	72.6	34
	PRIM'HOLSTEIN	8,801	344	8,901	346	38.9	287	32.2	633	71.1	31
Morbihan	PIE ROUGE	844	331	7,019	301	42.9	241	34.3	542	77.2	29
	SIMMENTAL FRANCAISE	77	327	6,276	258	41.1	214	34.0	472	75.2	34
	CROSSBRED	709	333	7,079	291	41.1	232	32.8	523	73.8	30
	MONTBELIARDE	829	324	6,673	270	40.5	220	33.0	491	73.5	32
	NORMANDE	1,430	343	6,108	259	42.4	210	34.4	469	76.8	31
	PRIM'HOLSTEIN	30,140	334	8,030	323	40.3	259	32.3	582	72.5	28

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Moselle	BRUNE	55	276	5,769	238	41.3	194	33.6	432	74.9	33
	CROSSBRED	988	320	6,954	280	40.3	228	32.8	508	73.1	34
	MONTBELIARDE	454	314	6,130	247	40.3	204	33.3	451	73.6	36
	PRIM'HOLSTEIN	9,492	333	8,109	322	39.7	263	32.5	585	72.2	32
Nièvre	PRIM'HOLSTEIN	321	341	8,686	334	38.4	276	31.8	610	70.3	32
Nord	BRUNE	59	329	7,197	298	41.3	245	34.1	543	75.4	28
	CROSSBRED	1,630	330	7,485	295	39.4	240	32.1	535	71.5	30
	MONTBELIARDE	610	308	6,823	270	39.6	226	33.1	496	72.7	32
	BLEUE DU NORD	150	290	4,260	161	37.8	136	32.0	297	69.8	35
	ROUGE FLAMANDE	149	309	5,145	206	40.1	170	33.1	377	73.2	34
	PRIM'HOLSTEIN	15,871	344	8,838	346	39.2	282	31.9	628	71.1	28
Oise	CROSSBRED	324	327	7,423	300	40.4	243	32.8	543	73.2	31
	MONTBELIARDE	72	308	6,731	264	39.3	218	32.5	483	71.7	32
	NORMANDE	144	355	7,408	313	42.3	260	35.1	574	77.4	33
	PRIM'HOLSTEIN	3,651	345	8,611	338	39.3	277	32.2	615	71.5	30
Orne	JERSIAISE	75	337	5,001	276	55.3	189	37.8	465	93.0	26
	BRUNE	43	357	6,605	269	40.7	225	34.0	493	74.7	31
	CROSSBRED	1,349	349	7,003	286	40.8	232	33.1	518	74.0	34
	MONTBELIARDE	254	324	6,488	263	40.5	217	33.5	480	74.0	35
	NORMANDE	8,993	344	6,300	269	42.8	220	35.0	490	77.8	34
	PRIM'HOLSTEIN	15,003	358	8,684	348	40.0	283	32.6	631	72.6	30
Pas de Calais	BRUNE	92	363	8,089	334	41.2	280	34.6	613	75.8	31
	CROSSBRED	1,022	345	8,271	323	39.1	268	32.4	591	71.5	32
	MONTBELIARDE	249	323	7,215	285	39.5	238	33.0	523	72.5	33
	NORMANDE	76	342	7,133	296	41.5	241	33.8	537	75.3	34
	ROUGE FLAMANDE	63	328	4,845	189	39.1	157	32.3	346	71.4	33
	PRIM'HOLSTEIN	15,495	354	9,117	349	38.3	291	31.9	640	70.2	31
Puy de Dôme	ABONDANCE	165	306	4,593	171	37.3	155	33.8	327	71.1	35
	JERSIAISE	97	310	4,342	214	49.2	155	35.8	369	85.0	27
	BRUNE	109	314	5,767	234	40.5	195	33.7	428	74.2	33
	SALERS	53	263	2,611	96	36.8	85	32.7	181	69.5	35
	SIMMENTAL FRANCAISE	69	310	5,178	204	39.4	173	33.5	377	72.9	35
	CROSSBRED	792	325	6,003	233	38.8	192	32.1	425	70.8	34
	MONTBELIARDE	3,774	324	6,207	241	38.8	205	33.1	446	71.9	35
	NORMANDE	92	290	4,477	175	39.1	145	32.3	319	71.4	37
	PRIM'HOLSTEIN	6,044	348	7,447	287	38.6	236	31.7	524	70.3	32
Pyrénées Atlantiques	BRUNE	62	382	7,212	290	40.2	248	34.4	538	74.6	33
	CROSSBRED	132	338	7,111	282	39.6	233	32.8	515	72.4	29
	MONTBELIARDE	290	331	6,969	272	39.1	234	33.6	507	72.7	32
	PRIM'HOLSTEIN	3,681	351	9,079	349	38.4	292	32.1	641	70.6	29

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Hautes Pyrénées	MONTBELIARDE	94	335	6,944	271	39.0	229	32.9	499	71.9	34
	PRIM'HOLSTEIN	912	362	9,389	367	39.1	305	32.5	672	71.6	30
Bas Rhin	SIMMENTAL FRANCAISE	286	311	6,456	272	42.1	220	34.0	492	76.1	33
	CROSSBRED	430	327	7,856	314	40.0	259	32.9	573	72.9	32
	MONTBELIARDE	323	324	7,251	296	40.8	249	34.3	545	75.1	34
	PRIM'HOLSTEIN	7,686	348	9,247	366	39.6	303	32.7	669	72.3	30
Haut Rhin	CROSSBRED	312	339	7,094	283	39.9	231	32.6	514	72.5	32
	MONTBELIARDE	1,276	326	6,994	285	40.8	236	33.7	521	74.5	34
	VOSGIENNE	173	280	3,361	129	38.3	108	32.1	236	70.4	36
	PRIM'HOLSTEIN	2,479	346	8,550	338	39.6	277	32.4	615	71.9	31
Rhône	CROSSBRED	392	315	6,520	257	39.4	212	32.5	468	71.8	32
	MONTBELIARDE	3,245	328	6,745	269	39.9	226	33.5	495	73.4	33
	PRIM'HOLSTEIN	2,567	345	8,256	324	39.2	266	32.2	589	71.4	30
Haute Saône	BRUNE	42	350	6,638	276	41.6	228	34.4	504	76.0	37
	CROSSBRED	386	318	6,639	258	38.9	220	33.1	478	72.0	35
	MONTBELIARDE	8,570	315	6,599	260	39.4	224	34.0	484	73.4	35
	PRIM'HOLSTEIN	1,844	342	8,277	325	39.2	271	32.8	596	72.0	33
Saône & Loire	SIMMENTAL FRANCAISE	59	314	6,884	285	41.4	236	34.3	521	75.7	34
	CROSSBRED	239	310	6,915	274	39.7	226	32.7	500	72.3	33
	MONTBELIARDE	4,027	340	7,346	296	40.3	251	34.1	547	74.5	34
	PRIM'HOLSTEIN	1,203	348	8,660	338	39.0	281	32.4	619	71.5	31
Sarthe	JERSAISE	50	301	4,711	257	54.5	181	38.4	437	92.9	28
	CROSSBRED	802	344	7,066	289	40.9	235	33.3	524	74.1	34
	MONTBELIARDE	796	342	7,204	295	40.9	245	33.9	539	74.8	34
	NORMANDE	2,452	342	6,298	273	43.4	222	35.3	496	78.7	33
	PRIM'HOLSTEIN	14,331	362	8,904	356	40.0	293	32.9	649	72.9	30
Savoie	ABONDANCE	2,019	295	4,377	160	36.6	144	32.8	304	69.4	37
	TARENDAISE	2,098	285	3,899	146	37.6	127	32.6	274	70.2	36
	CROSSBRED	131	286	4,303	162	37.7	141	32.8	304	70.6	37
	MONTBELIARDE	2,084	321	6,582	252	38.2	223	33.8	474	72.0	35
	PRIM'HOLSTEIN	102	334	7,819	294	37.5	260	33.2	553	70.8	36
Haute Savoie	ABONDANCE	3,400	287	4,959	181	36.5	166	33.5	347	70.1	36
	TARENDAISE	134	272	3,919	146	37.2	131	33.4	277	70.6	36
	CROSSBRED	179	305	6,139	234	38.1	202	32.9	436	71.1	35
	MONTBELIARDE	6,426	316	6,756	257	38.0	227	33.6	484	71.6	34
	PRIM'HOLSTEIN	699	330	8,597	324	37.7	274	31.9	599	69.6	29

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Seine Maritime	PIE ROUGE	345	322	6,758	283	41.9	231	34.2	514	76.1	32
	CROSSBRED	2,061	335	7,197	287	39.9	236	32.9	524	72.8	33
	MONTBELIARDE	397	318	6,876	276	40.1	229	33.3	505	73.5	33
	NORMANDE	5,008	339	6,423	270	42.0	224	34.8	493	76.8	33
	PRIM·HOLSTEIN	11,298	349	8,664	337	38.8	279	32.2	616	71.1	31
Seine & Marne	PRIM·HOLSTEIN	936	368	9,492	373	39.2	306	32.2	678	71.5	30
Yvelines	PRIM·HOLSTEIN	403	323	8,849	341	38.5	277	31.3	617	69.8	27
Deux Sèvres	JERSAISE	99	324	5,008	272	54.3	190	37.9	462	92.2	25
	CROSSBRED	175	330	7,858	313	39.8	260	33.0	572	72.8	30
	MONTBELIARDE	316	327	6,740	272	40.4	226	33.5	498	73.9	33
	NORMANDE	208	345	6,155	262	42.5	213	34.7	475	77.2	32
	PRIM·HOLSTEIN	7,548	358	9,083	362	39.9	297	32.7	660	72.6	29
Somme	CROSSBRED	773	340	8,210	322	39.2	267	32.6	589	71.8	31
	MONTBELIARDE	234	314	6,992	278	39.8	234	33.4	512	73.2	32
	NORMANDE	172	370	7,604	321	42.2	267	35.2	588	77.4	30
	PRIM·HOLSTEIN	9,044	340	8,979	346	38.5	288	32.1	634	70.6	29
Tarn	BRUNE	100	389	6,437	272	42.3	218	33.9	491	76.2	32
	CROSSBRED	192	311	6,144	243	39.6	195	31.8	439	71.4	30
	MONTBELIARDE	153	337	6,136	245	39.8	199	32.5	444	72.4	33
	PRIM·HOLSTEIN	2,888	353	8,147	319	39.2	260	31.9	579	71.1	30
Tarn & Garonne	CROSSBRED	76	316	6,086	257	42.1	196	32.3	453	74.4	34
	MONTBELIARDE	55	329	6,535	266	40.7	212	32.4	478	73.1	34
	PRIM·HOLSTEIN	957	379	8,293	330	39.8	268	32.3	598	72.1	32
Vendée	JERSAISE	147	320	4,141	223	53.8	150	36.3	373	90.1	26
	BRUNE	80	355	7,283	315	43.2	252	34.6	566	77.8	30
	CROSSBRED	487	351	7,583	316	41.7	251	33.1	567	74.8	30
	MONTBELIARDE	739	331	7,000	285	40.7	239	34.2	524	74.8	30
	NORMANDE	619	348	6,405	275	43.0	228	35.6	503	78.5	31
	PRIM·HOLSTEIN	19,545	353	8,715	353	40.5	283	32.5	636	73.0	28
Vienne	CROSSBRED	120	403	8,283	355	42.9	272	32.8	627	75.7	27
	MONTBELIARDE	117	373	7,345	300	40.8	252	34.3	552	75.1	30
	NORMANDE	77	378	6,726	291	43.3	230	34.3	522	77.6	31
	PRIM·HOLSTEIN	2,088	377	8,925	359	40.2	291	32.6	650	72.9	29
Haute Vienne	CROSSBRED	121	321	5,844	237	40.6	190	32.6	428	73.2	33
	MONTBELIARDE	63	327	5,886	240	40.8	193	32.9	433	73.6	34
	NORMANDE	196	342	5,342	235	44.0	181	33.9	416	77.9	34
	PRIM·HOLSTEIN	1,238	359	8,300	327	39.4	268	32.3	595	71.7	31

¹Only the breeds with more than 40 results are listed here.



Complete lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Lactation duration days	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg	Calving age months
Vosges	BRUNE	72	340	6,311	260	41.3	213	33.7	473	75.0	37
	SIMMENTAL FRANCAISE	159	305	5,905	240	40.6	197	33.4	437	74.0	36
	CROSSBRED	849	328	6,871	276	40.2	224	32.6	501	72.8	35
	MONTBELIARDE	2,806	329	6,587	263	39.9	220	33.4	483	73.3	36
	VOSGIENNE	152	277	3,311	124	37.3	105	31.6	228	68.9	38
	PRIM·HOLSTEIN	10,129	342	8,060	318	39.5	261	32.3	579	71.8	33
Yonne	BRUNE	45	339	5,892	251	42.6	199	33.8	450	76.4	35
	CROSSBRED	218	355	8,059	324	40.3	263	32.6	588	72.9	33
	MONTBELIARDE	271	350	7,145	291	40.7	238	33.3	529	74.0	34
	PRIM·HOLSTEIN	2,811	376	9,276	368	39.6	299	32.2	666	71.8	32
Territoire de Belfort	CROSSBRED	44	335	7,328	287	39.2	240	32.8	527	72.0	33
	MONTBELIARDE	620	336	7,360	294	39.9	250	34.0	544	73.9	33
	PRIM·HOLSTEIN	538	347	8,533	337	39.5	278	32.6	615	72.1	31
Val d'Oise	PRIM·HOLSTEIN	60	344	7,771	303	39.0	246	31.7	549	70.7	27
Réunion	BRUNE	41	349	6,574	260	39.6	231	35.1	491	74.7	31
	CROSSBRED	99	355	6,979	261	37.4	227	32.5	488	69.9	30
	MONTBELIARDE	45	338	6,771	251	37.1	221	32.6	472	69.7	31
	PRIM·HOLSTEIN	635	371	7,683	282	36.7	245	31.9	527	68.6	31

¹Only the breeds with more than 40 results are listed here.



3.6 - 305-d lactations - all breeds - all lactations

Local area ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Ain	33,904	7,344	289	39.4	240	32.7	529	72.0
Aisne	19,804	7,938	311	39.1	251	31.6	562	70.7
Allier	4,496	7,184	281	39.1	228	31.7	509	70.8
Alpes Hte Provence	589	5,410	209	38.6	176	32.6	385	71.2
Hautes Alpes	2,531	5,279	201	38.0	166	31.4	366	69.4
Alpes Maritimes	93	4,482	169	37.6	144	32.0	312	69.6
Ardèche	6,851	6,182	242	39.1	198	32.0	440	71.1
Ardennes	14,426	7,628	295	38.7	239	31.4	535	70.1
Ariège	2,831	7,401	282	38.1	235	31.8	517	69.8
Aube	6,886	8,086	311	38.4	253	31.3	564	69.7
Aude	352	7,016	270	38.5	220	31.4	490	69.9
Aveyron	35,611	7,010	276	39.3	222	31.6	498	71.0
Calvados	52,195	7,059	280	39.6	227	32.1	507	71.8
Cantal	48,082	6,086	235	38.5	193	31.7	427	70.2
Charente	6,519	7,194	289	40.2	229	31.8	518	72.0
Charente Maritime	9,475	7,778	305	39.3	246	31.6	551	70.9
Cher	3,463	7,595	305	40.1	241	31.7	546	71.8
Corrèze	5,271	6,430	249	38.7	201	31.2	450	69.9
Côte d'Or	12,669	6,943	276	39.8	229	32.9	505	72.7
Côtes d'Armor	118,946	7,795	312	40.1	246	31.5	558	71.6
Creuse	3,517	6,861	268	39.1	216	31.4	484	70.5
Dordogne	10,886	7,645	301	39.3	242	31.7	543	71.0
Doubs	86,250	6,457	242	37.4	210	32.4	451	69.9
Drôme	2,832	6,968	274	39.3	225	32.2	498	71.5
Eure	16,528	7,454	295	39.5	240	32.2	535	71.7
Eure & Loir	5,603	7,658	306	39.9	247	32.3	553	72.2
Finistère	101,550	7,517	300	39.9	236	31.4	536	71.3
Haute Garonne	6,648	7,397	285	38.5	232	31.4	517	69.9
Gers	1,376	6,852	259	37.8	212	31.0	472	68.8
Gironde	3,498	7,577	289	38.1	239	31.6	528	69.7
Hérault	95	5,981	217	36.3	181	30.3	398	66.6
Ille & Vilaine	190,727	7,579	304	40.1	240	31.7	544	71.8
Indre	4,153	8,409	332	39.4	267	31.8	599	71.2
Indre & Loire	12,734	8,287	327	39.5	264	31.8	591	71.3
Isère	19,480	7,218	285	39.4	233	32.3	518	71.8
Jura	48,284	6,334	234	36.9	206	32.5	440	69.5
Landes	4,277	8,031	311	38.7	248	30.9	559	69.7
Loir & Cher	7,896	8,166	325	39.8	260	31.8	585	71.6
Loire	36,451	7,196	282	39.2	231	32.1	513	71.3
Haute Loire	40,725	6,570	259	39.5	213	32.4	472	71.8
Loire Atlantique	93,645	7,547	304	40.2	240	31.8	543	72.0
Loiret	5,540	8,062	318	39.5	254	31.6	573	71.1
Lot	8,918	7,475	293	39.1	235	31.5	528	70.6
Lot & Garonne	6,682	7,407	288	38.9	231	31.2	519	70.1
Lozère	8,018	5,698	216	38.0	182	31.9	398	69.9
Maine & Loire	66,129	7,737	315	40.8	249	32.1	564	72.9
Manche	128,646	7,201	288	40.0	234	32.5	522	72.5

¹Only the local areas which count up more than 40 results are listed here.



305-d lactations - all breeds - all lactations (cont.)

Local area ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Marne	4,578	8,058	304	37.7	253	31.4	557	69.1
Haute Marne	24,728	7,716	300	38.8	249	32.3	549	71.1
Mayenne	129,562	7,365	297	40.3	238	32.2	534	72.6
Meurthe & Moselle	23,705	7,758	303	39.1	242	31.2	545	70.3
Meuse	26,141	8,317	320	38.5	261	31.4	581	69.9
Morbihan	98,791	7,833	315	40.2	249	31.8	564	72.0
Moselle	31,079	7,630	300	39.3	242	31.7	542	71.0
Nièvre	951	7,686	295	38.3	240	31.2	534	69.5
Nord	48,401	8,081	315	39.0	253	31.3	568	70.3
Oise	10,991	7,837	305	39.0	247	31.5	552	70.5
Orne	71,569	7,236	293	40.5	236	32.6	529	73.1
Pas de Calais	44,331	8,348	319	38.3	261	31.3	581	69.6
Puy de Dôme	38,314	6,379	245	38.3	202	31.6	446	70.0
Pyrénées Atlantiques	12,413	8,111	308	38.0	255	31.4	563	69.5
Hautes Pyrénées	3,211	8,044	308	38.4	254	31.6	562	69.9
Pyrénées Orientales	155	6,135	240	39.2	195	31.7	435	70.9
Bas Rhin	24,008	8,447	331	39.2	270	31.9	601	71.1
Haut Rhin	12,887	7,325	289	39.4	234	32.0	523	71.4
Rhône	21,384	7,059	277	39.2	228	32.3	504	71.4
Haute Saône	33,408	6,823	265	38.9	225	33.0	490	71.8
Saône & Loire	16,425	7,169	283	39.5	236	32.9	519	72.4
Sarthe	47,399	7,669	306	39.9	248	32.4	555	72.3
Savoie	22,784	5,108	187	36.7	166	32.4	353	69.1
Haute Savoie	36,888	6,431	237	36.9	210	32.7	447	69.6
Seine Maritime	51,978	7,257	286	39.4	234	32.2	519	71.6
Seine & Marne	2,704	8,466	329	38.8	264	31.2	593	70.1
Yvelines	1,124	8,553	324	37.9	262	30.6	586	68.5
Deux Sèvres	22,865	8,279	326	39.4	264	31.9	590	71.3
Somme	26,471	8,250	317	38.4	260	31.5	577	69.9
Tarn	10,303	7,312	285	39.0	228	31.1	513	70.1
Tarn & Garonne	3,683	7,076	281	39.8	221	31.2	502	71.0
Vendée	57,445	8,038	324	40.3	256	31.8	579	72.1
Vienne	6,649	7,888	313	39.7	250	31.7	563	71.4
Haute Vienne	4,964	7,032	278	39.6	223	31.7	501	71.2
Vosges	40,995	7,242	284	39.2	230	31.8	514	71.0
Yonne	8,976	8,033	315	39.2	252	31.4	567	70.6
Territoire de Belfort	3,779	7,328	287	39.2	238	32.5	526	71.7
Val d'Oise	178	7,905	293	37.0	243	30.7	536	67.8
Réunion	2,592	6,639	243	36.7	207	31.2	450	67.8

¹Only the local areas which count up more than 40 results are listed here.



3.7 - 305-d lactations - all lactations per local area and breed

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Ain	ABONDANCE	74	4,601	167	36.2	155	33.7	322	69.9
	BRUNE	187	6,728	270	40.2	229	34.0	499	74.2
	SIMMENTAL FRANCAISE	500	5,911	229	38.7	197	33.4	426	72.1
	CROSSBRED	1,750	7,415	293	39.5	241	32.5	534	72.0
	MONTBELIARDE	24,404	7,043	278	39.4	233	33.1	510	72.5
	PRIM'HOLSTEIN	6,922	8,558	335	39.1	270	31.6	605	70.7
Aisne	JERSIAISE	61	6,446	332	51.5	237	36.8	569	88.3
	CROSSBRED	1,868	7,131	283	39.7	228	32.0	511	71.6
	MONTBELIARDE	569	6,927	273	39.5	229	33.1	502	72.5
	NORMANDE	426	5,298	214	40.4	178	33.6	392	74.0
	PRIM'HOLSTEIN	16,789	8,145	318	39.0	257	31.5	574	70.5
Allier	JERSIAISE	64	2,859	157	55.0	108	37.9	266	92.9
	BRUNE	62	5,164	218	42.3	172	33.3	390	75.6
	CROSSBRED	195	6,616	260	39.2	208	31.4	467	70.7
	MONTBELIARDE	432	5,594	223	39.8	186	33.3	409	73.1
	NORMANDE	197	5,784	237	41.0	197	34.1	435	75.1
	PRIM'HOLSTEIN	3,539	7,602	295	38.8	239	31.4	534	70.2
Alpes Hte Provence	ABONDANCE	56	5,176	189	36.6	172	33.1	361	69.7
	JERSIAISE	47	3,816	183	48.0	136	35.8	320	83.8
	MONTBELIARDE	388	5,726	219	38.3	185	32.3	404	70.6
Hautes Alpes	ABONDANCE	399	4,276	157	36.6	137	32.1	294	68.7
	TARENDAISE	229	4,081	148	36.3	130	31.9	278	68.2
	CROSSBRED	198	4,981	188	37.6	158	31.7	346	69.4
	MONTBELIARDE	1,169	5,413	209	38.5	172	31.7	380	70.2
	PRIM'HOLSTEIN	500	6,521	249	38.1	196	30.1	445	68.2
Alpes Maritimes	ABONDANCE	70	4,428	166	37.5	144	32.4	310	70.0
Ardèche	ABONDANCE	629	5,337	201	37.7	177	33.1	378	70.8
	CROSSBRED	438	5,544	221	39.9	178	32.1	399	72.0
	MONTBELIARDE	4,665	6,074	239	39.4	196	32.2	435	71.7
	PRIM'HOLSTEIN	1,058	7,497	287	38.3	229	30.5	516	68.9
Ardennes	JERSIAISE	44	3,728	196	52.7	140	37.7	337	90.3
	CROSSBRED	1,590	6,648	261	39.2	210	31.6	471	70.8
	MONTBELIARDE	419	6,170	244	39.5	201	32.7	445	72.1
	NORMANDE	61	5,451	217	39.9	177	32.4	394	72.3
	PRIM'HOLSTEIN	12,277	7,833	303	38.6	245	31.3	548	69.9
Ariège	BRUNE	476	6,587	270	41.0	223	33.9	493	74.9
	CROSSBRED	129	6,276	231	36.8	193	30.8	424	67.6
	MONTBELIARDE	250	5,397	203	37.7	174	32.2	377	69.8
	PRIM'HOLSTEIN	1,915	8,034	301	37.5	251	31.3	553	68.8

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Aube	BRUNE	272	7,216	291	40.3	244	33.8	535	74.1
	SIMMENTAL FRANCAISE	72	6,396	262	40.9	210	32.8	471	73.7
	CROSSBRED	396	7,462	290	38.9	236	31.6	526	70.5
	MONTBELIARDE	358	7,142	272	38.1	238	33.3	510	71.4
	PRIM·HOLSTEIN	5,749	8,266	316	38.2	257	31.1	573	69.3
Aude	BRUNE	50	6,185	255	41.2	199	32.2	454	73.4
	PRIM·HOLSTEIN	251	7,607	290	38.1	237	31.1	527	69.2
Aveyron	ABONDANCE	67	4,330	158	36.5	142	32.7	300	69.2
	AUBRAC	119	1,799	73	40.5	62	34.2	135	74.8
	JERSIAISE	73	4,196	210	49.9	149	35.4	358	85.3
	PIE ROUGE	59	7,497	322	42.9	240	32.0	561	74.9
	BUFFLE	44	1,510	108	71.7	66	43.8	174	115.5
	BRUNE	2,359	6,268	263	41.9	212	33.8	475	75.7
	SIMMENTAL FRANCAISE	2,999	5,278	205	38.7	175	33.2	380	71.9
	CROSSBRED	1,129	6,254	247	39.6	198	31.7	446	71.3
	MONTBELIARDE	4,083	5,985	234	39.1	195	32.5	428	71.6
	NORMANDE	57	4,893	208	42.4	164	33.6	372	76.0
	PRIM·HOLSTEIN	24,622	7,552	296	39.2	236	31.2	531	70.4
Calvados	JERSIAISE	307	4,896	294	60.0	198	40.5	492	100.5
	PIE ROUGE	41	6,938	289	41.6	228	32.9	517	74.5
	BRUNE	110	6,584	269	40.9	226	34.3	494	75.1
	CROSSBRED	4,711	6,270	248	39.6	201	32.1	449	71.6
	MONTBELIARDE	962	6,125	247	40.4	201	32.7	448	73.1
	NORMANDE	10,743	5,561	230	41.4	191	34.3	421	75.6
	PRIM·HOLSTEIN	35,295	7,668	300	39.1	242	31.6	542	70.7
Cantal	ABONDANCE	609	4,303	158	36.8	142	32.9	300	69.7
	JERSIAISE	205	4,028	217	53.7	148	36.8	365	90.6
	PIE ROUGE	169	5,978	239	39.9	190	31.8	429	71.7
	BRUNE	951	5,706	233	40.9	190	33.3	423	74.2
	SALERS	907	2,057	68	33.2	66	32.2	134	65.3
	SIMMENTAL FRANCAISE	1,046	4,584	176	38.4	151	32.9	327	71.3
	CROSSBRED	3,497	5,416	208	38.5	170	31.4	378	69.9
	MONTBELIARDE	18,275	5,741	219	38.1	186	32.4	405	70.5
	NORMANDE	199	5,172	216	41.7	175	33.9	391	75.6
	PRIM·HOLSTEIN	22,180	6,813	264	38.7	211	31.0	475	69.7
Charente	JERSIAISE	253	5,286	300	56.8	209	39.5	509	96.3
	CROSSBRED	357	6,625	277	41.8	217	32.7	494	74.6
	MONTBELIARDE	446	6,513	262	40.3	215	33.0	477	73.2
	NORMANDE	537	5,482	234	42.6	188	34.4	422	77.0
	PRIM·HOLSTEIN	4,905	7,590	299	39.3	236	31.1	535	70.5

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Charente Maritime	PIE ROUGE	58	7,435	305	41.1	240	32.3	545	73.3
	CROSSBRED	497	6,981	277	39.7	223	32.0	500	71.7
	MONTBELIARDE	430	7,076	282	39.8	233	33.0	515	72.8
	NORMANDE	419	5,456	226	41.3	184	33.7	410	75.1
	PRIM ¹ HOLSTEIN	8,052	7,993	313	39.1	251	31.4	564	70.5
Cher	JERSIAISE	94	4,506	255	56.6	183	40.7	438	97.3
	CROSSBRED	472	6,794	274	40.3	219	32.2	492	72.5
	PRIM ¹ HOLSTEIN	2,813	7,878	313	39.7	248	31.5	561	71.2
Corrèze	CROSSBRED	332	5,644	222	39.3	180	31.8	402	71.1
	MONTBELIARDE	713	5,087	197	38.8	164	32.3	362	71.1
	PRIM ¹ HOLSTEIN	4,116	6,794	262	38.6	211	31.0	473	69.6
Côte d'Or	ABONDANCE	84	4,526	164	36.2	146	32.3	310	68.5
	BRUNE	2,878	7,020	290	41.4	241	34.4	532	75.7
	SIMMENTAL FRANCAISE	1,567	6,531	263	40.2	219	33.5	482	73.8
	CROSSBRED	411	6,487	256	39.5	210	32.3	466	71.8
	MONTBELIARDE	4,241	6,671	262	39.2	221	33.1	482	72.3
	PRIM ¹ HOLSTEIN	3,457	7,544	295	39.2	237	31.5	533	70.6
Côtes d'Armor	JERSIAISE	82	3,501	188	53.7	130	37.1	318	90.8
	PIE ROUGE	1,381	6,898	294	42.7	226	32.8	521	75.5
	BRUNE	392	6,676	282	42.2	222	33.3	504	75.5
	SIMMENTAL FRANCAISE	57	5,695	229	40.2	185	32.5	414	72.7
	CROSSBRED	3,458	7,062	288	40.7	224	31.7	511	72.4
	MONTBELIARDE	2,654	6,933	281	40.5	226	32.6	507	73.1
	NORMANDE	8,065	6,031	255	42.3	205	34.0	460	76.3
	PRIM ¹ HOLSTEIN	102,851	8,002	319	39.9	250	31.3	569	71.2
Creuse	CROSSBRED	255	5,983	233	39.0	187	31.2	420	70.2
	MONTBELIARDE	362	5,911	231	39.1	191	32.4	422	71.5
	NORMANDE	121	4,427	184	41.5	149	33.5	332	75.1
	PRIM ¹ HOLSTEIN	2,762	7,202	281	39.0	225	31.3	506	70.3
Dordogne	BRUNE	59	5,805	247	42.5	197	34.0	444	76.5
	CROSSBRED	673	6,611	265	40.0	213	32.3	478	72.3
	MONTBELIARDE	949	6,762	270	40.0	223	32.9	493	72.9
	NORMANDE	193	5,227	208	39.8	176	33.6	384	73.5
	PRIM ¹ HOLSTEIN	8,973	7,890	309	39.2	248	31.4	557	70.6
Doubs	SIMMENTAL FRANCAISE	138	5,138	191	37.1	166	32.2	356	69.3
	CROSSBRED	880	6,527	251	38.4	209	32.0	460	70.4
	MONTBELIARDE	83,588	6,433	240	37.4	209	32.5	449	69.8
	PRIM ¹ HOLSTEIN	1,587	7,813	299	38.3	247	31.6	546	69.9

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Drôme	ABONDANCE	57	5,569	196	35.2	181	32.5	377	67.7
	CROSSBRED	131	6,224	241	38.8	198	31.9	440	70.6
	MONTBELIARDE	1,720	6,360	252	39.6	206	32.4	458	72.1
	PRIM·HOLSTEIN	862	8,600	335	38.9	275	31.9	609	70.9
Eure	JERSAISE	61	2,788	155	55.7	105	37.5	260	93.2
	CROSSBRED	1,633	6,896	273	39.6	224	32.4	497	72.1
	MONTBELIARDE	160	7,048	283	40.2	237	33.6	520	73.8
	NORMANDE	3,466	5,834	243	41.6	200	34.4	443	76.0
	PRIM·HOLSTEIN	11,162	8,073	315	39.0	256	31.7	571	70.7
Eure & Loir	JERSAISE	135	5,864	308	52.5	222	37.8	530	90.4
	BRUNE	60	6,406	271	42.2	217	33.9	488	76.1
	CROSSBRED	126	6,987	278	39.8	228	32.6	506	72.4
	MONTBELIARDE	90	6,378	257	40.4	213	33.3	470	73.7
	NORMANDE	1,391	5,985	249	41.6	206	34.4	455	76.0
	PRIM·HOLSTEIN	3,798	8,409	329	39.1	265	31.5	594	70.6
Finistère	JERSAISE	320	4,159	236	56.7	160	38.4	395	95.1
	PIE ROUGE	1,784	7,124	302	42.3	233	32.7	535	75.1
	BRUNE	402	6,093	256	42.0	203	33.3	459	75.3
	SIMMENTAL FRANCAISE	43	5,049	212	42.0	169	33.6	381	75.5
	CROSSBRED	3,879	6,588	268	40.7	210	31.8	478	72.5
	MONTBELIARDE	1,254	6,539	267	40.9	213	32.6	481	73.5
	NORMANDE	2,906	5,699	240	42.1	192	33.7	432	75.8
	PRIM·HOLSTEIN	90,955	7,655	304	39.7	239	31.2	543	70.9
Haute Garonne	ABONDANCE	99	3,250	117	35.9	106	32.8	223	68.6
	BRUNE	106	6,319	259	40.9	205	32.5	464	73.4
	CROSSBRED	205	6,585	260	39.4	209	31.8	469	71.2
	MONTBELIARDE	922	6,287	244	38.8	207	33.0	451	71.8
	PRIM·HOLSTEIN	5,266	7,743	297	38.3	241	31.1	538	69.5
Gers	BRUNE	67	5,344	228	42.7	178	33.3	406	76.0
	CROSSBRED	90	6,412	238	37.1	204	31.8	442	68.9
	PRIM·HOLSTEIN	1,163	7,044	265	37.7	216	30.7	482	68.4
Gironde	BRUNE	42	6,241	249	39.8	208	33.3	457	73.2
	CROSSBRED	159	6,312	240	38.0	201	31.9	441	69.9
	MONTBELIARDE	83	5,631	226	40.2	183	32.6	410	72.8
	PRIM·HOLSTEIN	3,176	7,755	295	38.1	245	31.5	540	69.6
Hérault	PRIM·HOLSTEIN	69	6,238	225	36.0	185	29.7	410	65.7

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Ille & Vilaine	JERSIAISE	407	3,991	213	53.3	149	37.3	361	90.6
	PIE ROUGE	959	6,838	290	42.3	224	32.7	513	75.0
	BRUNE	349	6,424	274	42.7	217	33.7	491	76.4
	SIMMENTAL FRANCAISE	138	4,890	204	41.7	158	32.3	362	74.0
	CROSSBRED	7,674	6,563	264	40.3	209	31.9	473	72.1
	MONTBELIARDE	6,567	6,636	268	40.4	217	32.7	485	73.1
	NORMANDE	16,346	5,865	246	42.0	199	33.9	445	75.8
	PRIM·HOLSTEIN	158,194	7,866	314	40.0	247	31.4	562	71.4
FROMENT DU LEON	67	2,301	101	44.0	75	32.5	176	76.5	
Indre	CROSSBRED	189	8,012	322	40.2	259	32.3	580	72.4
	MONTBELIARDE	81	6,488	255	39.3	211	32.6	466	71.9
	NORMANDE	48	5,911	245	41.5	200	33.8	445	75.3
	PRIM·HOLSTEIN	3,781	8,550	336	39.3	271	31.7	607	71.0
Indre & Loire	CROSSBRED	546	7,208	290	40.3	229	31.8	519	72.0
	MONTBELIARDE	681	7,178	290	40.4	235	32.7	524	73.1
	NORMANDE	259	5,958	254	42.7	204	34.2	458	76.8
	PRIM·HOLSTEIN	11,184	8,472	334	39.4	269	31.7	602	71.1
Isère	ABONDANCE	446	5,268	193	36.6	171	32.6	364	69.2
	BRUNE	80	5,829	239	41.0	195	33.5	434	74.5
	TARENTEISE	80	4,018	153	38.0	131	32.7	284	70.8
	SIMMENTAL FRANCAISE	403	6,640	279	42.0	223	33.6	502	75.7
	CROSSBRED	1,041	6,788	269	39.6	219	32.2	487	71.8
	MONTBELIARDE	12,039	7,068	280	39.6	232	32.8	512	72.4
	PRIM·HOLSTEIN	5,316	7,962	310	38.9	250	31.3	559	70.2
Jura	JERSIAISE	41	4,077	247	60.5	163	40.0	410	100.5
	SIMMENTAL FRANCAISE	1,143	5,904	233	39.4	197	33.4	430	72.8
	CROSSBRED	638	5,911	229	38.8	194	32.8	423	71.6
	MONTBELIARDE	45,689	6,324	233	36.8	206	32.5	438	69.3
	PRIM·HOLSTEIN	722	8,219	322	39.2	262	31.8	584	71.1
Landes	CROSSBRED	98	7,234	282	38.9	227	31.3	508	70.3
	MONTBELIARDE	52	5,897	235	39.8	194	32.9	429	72.7
	PRIM·HOLSTEIN	4,080	8,099	313	38.7	250	30.9	563	69.6
Loir & Cher	CROSSBRED	151	7,875	315	40.0	256	32.5	571	72.5
	MONTBELIARDE	146	7,554	306	40.5	254	33.6	560	74.1
	NORMANDE	973	6,234	262	42.0	210	33.7	472	75.8
	PRIM·HOLSTEIN	6,577	8,479	335	39.5	267	31.5	603	71.1

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Loire	ABONDANCE	150	5,316	199	37.4	177	33.2	375	70.6
	JERSIAISE	83	4,732	256	54.2	182	38.5	438	92.7
	BRUNE	246	6,213	262	42.1	209	33.7	471	75.8
	SIMMENTAL FRANCAISE	278	7,017	278	39.6	234	33.4	512	73.0
	CROSSBRED	1,693	6,725	264	39.2	215	32.0	479	71.2
	MONTBELIARDE	16,473	6,670	263	39.4	220	33.0	483	72.4
	NORMANDE	64	5,399	218	40.4	186	34.4	404	74.8
	PRIM'HOLSTEIN	17,424	7,798	304	39.0	244	31.3	549	70.3
Haute Loire	ABONDANCE	840	4,918	185	37.6	164	33.3	348	70.8
	BRUNE	225	5,478	226	41.3	180	32.9	407	74.3
	TARENTEISE	146	4,328	171	39.4	147	33.9	317	73.3
	SIMMENTAL FRANCAISE	98	4,888	196	40.1	162	33.2	358	73.3
	CROSSBRED	2,235	6,169	245	39.7	198	32.2	443	71.9
	MONTBELIARDE	27,275	6,394	253	39.5	209	32.7	462	72.3
	PRIM'HOLSTEIN	9,848	7,376	291	39.4	231	31.4	522	70.8
Loire Atlantique	JERSIAISE	215	3,930	216	55.1	145	36.8	361	91.9
	PIE ROUGE	350	7,247	319	44.0	245	33.9	564	77.8
	BRUNE	268	5,700	240	42.1	188	33.0	428	75.1
	BRETONNE PIE NOIRE	76	2,100	93	44.4	69	32.8	162	77.2
	SIMMENTAL FRANCAISE	341	4,984	209	42.0	165	33.1	374	75.1
	CROSSBRED	2,319	6,320	258	40.9	202	32.0	460	72.8
	MONTBELIARDE	3,329	6,669	268	40.2	217	32.6	486	72.8
	NORMANDE	7,156	5,725	240	41.9	195	34.1	435	76.0
PRIM'HOLSTEIN	79,564	7,818	313	40.1	247	31.6	560	71.6	
Loiret	CROSSBRED	407	7,204	292	40.5	233	32.3	525	72.8
	MONTBELIARDE	243	6,787	273	40.3	222	32.7	495	73.0
	NORMANDE	99	6,016	249	41.4	211	35.0	460	76.5
	PRIM'HOLSTEIN	4,765	8,253	325	39.4	259	31.4	584	70.7
Lot	BRUNE	76	6,362	274	43.1	211	33.2	485	76.2
	CROSSBRED	604	6,807	271	39.8	218	32.0	488	71.7
	MONTBELIARDE	1,042	6,527	257	39.3	213	32.6	469	71.9
	NORMANDE	44	5,392	215	39.9	177	32.8	392	72.6
	PRIM'HOLSTEIN	7,130	7,699	301	39.0	241	31.3	541	70.3
Lot & Garonne	JERSIAISE	79	4,607	240	52.2	169	36.6	409	88.8
	CROSSBRED	614	6,759	269	39.8	215	31.8	484	71.6
	MONTBELIARDE	127	6,488	255	39.3	211	32.5	466	71.8
	NORMANDE	163	5,021	210	41.8	170	33.8	380	75.6
	PRIM'HOLSTEIN	5,668	7,615	294	38.6	237	31.1	530	69.6

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Lozère	ABONDANCE	379	4,253	159	37.3	139	32.6	297	69.9
	BRUNE	735	5,975	240	40.1	196	32.9	436	73.0
	SIMMENTAL FRANCAISE	520	4,868	186	38.2	163	33.5	349	71.7
	CROSSBRED	150	5,189	198	38.1	163	31.3	361	69.5
	MONTBELIARDE	4,986	5,639	212	37.7	181	32.1	393	69.7
	PRIM'HOLSTEIN	1,198	6,725	255	37.9	204	30.3	459	68.2
Maine & Loire	JERSIAISE	2,242	4,668	257	55.0	178	38.2	435	93.1
	BRUNE	578	6,694	292	43.7	231	34.6	524	78.3
	SIMMENTAL FRANCAISE	183	6,692	279	41.7	225	33.6	504	75.3
	CROSSBRED	2,186	6,916	288	41.6	225	32.5	513	74.1
	MONTBELIARDE	4,130	6,668	268	40.2	221	33.2	490	73.4
	NORMANDE	3,599	5,809	246	42.4	200	34.4	446	76.7
	PRIM'HOLSTEIN	53,176	8,129	328	40.3	258	31.8	586	72.1
Manche	JERSIAISE	1,013	4,103	236	57.5	159	38.8	395	96.3
	PIE ROUGE	280	7,392	308	41.7	240	32.4	548	74.2
	BRUNE	298	6,235	260	41.7	211	33.9	471	75.6
	SIMMENTAL FRANCAISE	145	5,990	249	41.6	205	34.3	455	75.9
	CROSSBRED	9,530	6,613	265	40.0	215	32.5	480	72.5
	MONTBELIARDE	1,434	6,801	273	40.1	227	33.4	500	73.5
	NORMANDE	40,690	5,921	248	41.9	204	34.4	452	76.3
	PRIM'HOLSTEIN	75,246	8,023	314	39.1	254	31.7	568	70.8
Marne	CROSSBRED	178	7,291	276	37.9	235	32.2	511	70.1
	MONTBELIARDE	48	7,079	268	37.9	231	32.6	499	70.5
	PRIM'HOLSTEIN	4,278	8,155	307	37.6	255	31.3	562	68.9
Haute Marne	JERSIAISE	158	4,666	252	54.0	178	38.2	431	92.3
	BRUNE	614	6,354	263	41.3	215	33.9	478	75.2
	SIMMENTAL FRANCAISE	2,212	6,335	253	40.0	215	33.9	468	73.9
	CROSSBRED	1,031	7,268	287	39.5	237	32.6	524	72.2
	MONTBELIARDE	6,256	7,037	276	39.2	235	33.3	510	72.5
	PRIM'HOLSTEIN	14,406	8,355	320	38.3	264	31.6	585	70.0
Mayenne	JERSIAISE	628	4,559	260	57.1	175	38.4	435	95.4
	BRUNE	389	6,364	270	42.4	215	33.8	485	76.2
	SIMMENTAL FRANCAISE	386	5,877	253	43.0	192	32.7	445	75.7
	CROSSBRED	6,326	6,715	273	40.7	218	32.5	491	73.2
	MONTBELIARDE	5,910	6,634	266	40.0	220	33.1	485	73.1
	NORMANDE	25,843	5,962	249	41.7	205	34.3	453	76.0
	PRIM'HOLSTEIN	90,001	7,894	315	39.9	250	31.7	565	71.6

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Meurthe & Moselle	JERSIAISE	52	4,709	239	50.8	170	36.2	410	87.0
	BRUNE	206	6,652	277	41.6	223	33.5	499	75.1
	CROSSBRED	1,364	7,087	281	39.7	225	31.8	506	71.5
	MONTBELIARDE	1,216	6,288	252	40.1	204	32.5	456	72.6
	PRIM'HOLSTEIN	20,802	7,914	308	39.0	246	31.1	554	70.1
Meuse	BRUNE	205	7,215	298	41.2	242	33.6	540	74.8
	SIMMENTAL FRANCAISE	303	7,105	289	40.6	236	33.3	525	73.9
	CROSSBRED	1,085	7,333	291	39.6	236	32.1	526	71.7
	MONTBELIARDE	792	6,747	263	39.0	219	32.5	483	71.5
	NORMANDE	44	5,795	230	39.8	193	33.3	424	73.1
	PRIM'HOLSTEIN	23,680	8,447	324	38.4	265	31.3	589	69.7
Morbihan	JERSIAISE	70	4,315	232	53.8	164	38.0	396	91.8
	PIE ROUGE	2,769	7,308	311	42.5	244	33.4	555	75.9
	BRETONNE PIE NOIRE	51	2,347	98	41.9	74	31.5	172	73.4
	SIMMENTAL FRANCAISE	254	6,398	264	41.3	216	33.8	480	75.0
	CROSSBRED	2,061	7,020	287	40.9	227	32.3	514	73.2
	MONTBELIARDE	2,884	6,814	273	40.1	224	32.8	497	72.9
	NORMANDE	4,543	5,901	247	41.9	201	34.0	448	75.9
	PRIM'HOLSTEIN	86,119	8,017	321	40.0	254	31.7	574	71.6
Moselle	BRUNE	148	6,132	255	41.5	206	33.6	461	75.1
	SIMMENTAL FRANCAISE	114	5,860	241	41.2	197	33.7	439	74.8
	CROSSBRED	3,058	6,823	271	39.7	220	32.2	491	72.0
	MONTBELIARDE	1,568	6,140	243	39.6	200	32.6	444	72.2
	PRIM'HOLSTEIN	26,127	7,837	307	39.2	248	31.6	555	70.8
Nièvre	CROSSBRED	72	5,713	223	39.1	185	32.3	408	71.5
	MONTBELIARDE	81	6,092	237	38.9	195	32.0	432	70.8
	PRIM'HOLSTEIN	795	8,035	307	38.2	249	31.0	557	69.3
Nord	JERSIAISE	53	4,883	259	53.0	181	37.0	440	90.0
	BRUNE	172	6,903	289	41.9	233	33.7	522	75.6
	CROSSBRED	4,680	7,102	279	39.3	225	31.7	504	71.0
	MONTBELIARDE	1,650	6,635	261	39.3	216	32.6	477	71.9
	BLEUE DU NORD	499	4,477	165	36.9	140	31.2	305	68.1
	NORMANDE	104	5,512	223	40.4	182	33.1	405	73.5
	ROUGE FLAMANDE	498	5,464	216	39.6	177	32.5	394	72.1
	PRIM'HOLSTEIN	40,695	8,347	325	39.0	260	31.2	586	70.2
Oise	CROSSBRED	817	6,959	276	39.6	223	32.0	498	71.6
	MONTBELIARDE	211	6,659	264	39.6	215	32.3	479	71.9
	NORMANDE	357	6,722	276	41.0	231	34.4	507	75.4
	PRIM'HOLSTEIN	9,548	8,000	311	38.8	251	31.4	562	70.2

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Orne	JERSAISE	234	4,931	278	56.3	187	37.8	464	94.1
	BRUNE	145	5,905	243	41.1	198	33.5	441	74.7
	CROSSBRED	3,832	6,503	264	40.6	212	32.6	476	73.2
	MONTBELIARDE	853	6,582	263	40.0	218	33.1	481	73.1
	NORMANDE	25,646	5,955	251	42.1	205	34.4	456	76.5
	PRIM'HOLSTEIN	40,780	8,143	323	39.6	258	31.7	581	71.4
Pas de Calais	BRUNE	221	7,284	294	40.4	248	34.0	542	74.5
	CROSSBRED	2,773	7,784	302	38.9	247	31.8	550	70.6
	MONTBELIARDE	851	7,299	283	38.8	237	32.4	520	71.2
	NORMANDE	197	6,524	263	40.4	217	33.2	480	73.6
	ROUGE FLAMANDE	233	5,121	200	39.1	162	31.7	363	70.8
	PRIM'HOLSTEIN	39,976	8,450	323	38.2	264	31.2	587	69.4
Puy de Dôme	ABONDANCE	660	4,987	185	37.1	166	33.4	351	70.5
	JERSAISE	287	4,257	212	49.8	154	36.2	366	86.0
	BRUNE	343	5,730	232	40.5	192	33.4	424	73.9
	SALERS	244	2,834	101	35.5	91	32.2	192	67.7
	SIMMENTAL FRANCAISE	237	5,498	213	38.7	181	32.9	394	71.6
	CROSSBRED	2,908	5,709	219	38.4	181	31.6	400	70.0
	MONTBELIARDE	13,955	6,062	232	38.3	197	32.4	429	70.8
	NORMANDE	274	4,529	175	38.7	147	32.4	322	71.1
	FERRANDAISE	101	2,766	101	36.7	88	31.7	189	68.3
PRIM'HOLSTEIN	19,278	6,903	264	38.2	214	31.0	478	69.2	
Pyrénées Atlantiques	PIE ROUGE	44	7,100	296	41.7	228	32.1	524	73.8
	BRUNE	210	6,262	248	39.6	207	33.1	455	72.7
	CROSSBRED	362	7,037	275	39.1	226	32.1	501	71.2
	MONTBELIARDE	1,042	6,758	259	38.3	223	33.0	481	71.2
	NORMANDE	48	5,013	195	38.9	172	34.3	367	73.2
	PRIM'HOLSTEIN	10,658	8,350	317	37.9	261	31.3	578	69.2
Hautes Pyrénées	BRUNE	97	5,834	245	42.0	199	34.1	444	76.2
	CROSSBRED	108	6,624	255	38.5	204	30.7	459	69.3
	MONTBELIARDE	355	6,466	246	38.0	207	32.1	453	70.0
	PRIM'HOLSTEIN	2,639	8,416	322	38.3	265	31.5	587	69.7
Pyrénées Orientales	PRIM'HOLSTEIN	90	7,300	283	38.8	231	31.7	514	70.5
Bas Rhin	JERSAISE	82	4,206	221	52.6	155	36.9	376	89.5
	BRUNE	54	6,310	255	40.5	212	33.6	467	74.0
	SIMMENTAL FRANCAISE	1,020	6,555	268	40.9	220	33.6	488	74.4
	CROSSBRED	1,125	7,453	296	39.7	241	32.4	537	72.1
	MONTBELIARDE	1,028	7,307	290	39.7	244	33.4	534	73.1
	VOSGIENNE	113	3,595	130	36.1	109	30.3	239	66.4
	PRIM'HOLSTEIN	20,557	8,706	340	39.1	276	31.8	617	70.8

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Haut Rhin	JERSIAISE	44	4,196	220	52.4	157	37.3	376	89.7
	BRUNE	82	6,234	253	40.7	203	32.5	456	73.2
	SIMMENTAL FRANCAISE	77	4,661	188	40.3	152	32.7	340	73.0
	CROSSBRED	1,010	6,635	262	39.4	212	32.0	474	71.4
	MONTBELIARDE	4,079	6,999	280	40.0	231	33.0	511	73.0
	VOSGIENNE	614	3,917	146	37.2	122	31.3	268	68.4
	PRIM'HOLSTEIN	6,929	8,008	313	39.1	252	31.4	565	70.6
Rhône	BRUNE	106	6,093	252	41.4	208	34.1	460	75.5
	SIMMENTAL FRANCAISE	115	5,671	225	39.7	187	33.0	412	72.6
	CROSSBRED	1,188	6,551	257	39.2	211	32.2	468	71.4
	MONTBELIARDE	12,122	6,638	261	39.3	219	32.9	479	72.2
	PRIM'HOLSTEIN	7,808	7,833	305	38.9	246	31.4	551	70.3
Haute Saône	BRUNE	136	6,127	249	40.6	204	33.4	453	74.0
	SIMMENTAL FRANCAISE	81	5,551	223	40.1	184	33.1	407	73.3
	CROSSBRED	1,139	6,290	243	38.7	204	32.4	447	71.1
	MONTBELIARDE	26,976	6,719	261	38.9	223	33.2	484	72.1
	VOSGIENNE	82	3,525	133	37.8	111	31.6	245	69.4
	PRIM'HOLSTEIN	4,933	7,641	296	38.8	243	31.8	539	70.6
Saône & Loire	JERSIAISE	64	4,170	243	58.3	162	38.9	405	97.2
	SIMMENTAL FRANCAISE	151	6,752	272	40.3	226	33.4	498	73.7
	CROSSBRED	665	6,708	264	39.4	215	32.0	479	71.4
	MONTBELIARDE	12,434	6,991	277	39.7	233	33.3	510	73.0
	PRIM'HOLSTEIN	3,081	8,078	314	38.9	255	31.6	569	70.5
Sarthe	JERSIAISE	178	5,167	284	55.0	197	38.1	481	93.1
	BRUNE	91	6,441	272	42.3	223	34.6	495	76.8
	SIMMENTAL FRANCAISE	108	6,956	296	42.6	238	34.3	535	76.9
	CROSSBRED	2,109	6,426	259	40.4	209	32.5	468	72.9
	MONTBELIARDE	2,279	6,916	279	40.3	230	33.3	509	73.6
	NORMANDE	6,657	5,961	254	42.6	207	34.7	461	77.4
	PRIM'HOLSTEIN	35,950	8,125	321	39.5	260	32.0	580	71.4
Savoie	ABONDANCE	7,647	4,659	167	35.9	150	32.2	317	68.1
	TARENNAISE	7,441	4,108	150	36.5	132	32.1	282	68.7
	CROSSBRED	640	4,425	161	36.4	141	31.9	302	68.3
	MONTBELIARDE	6,775	6,685	250	37.4	220	32.9	470	70.3
	PRIM'HOLSTEIN	250	7,590	281	37.0	242	31.8	522	68.8

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Haute Savoie	ABONDANCE	11,698	5,522	198	35.9	181	32.9	380	68.8
	BRUNE	98	4,988	199	40.0	168	33.6	367	73.6
	TARENDAISE	474	4,259	153	36.0	139	32.7	293	68.8
	SIMMENTAL FRANCAISE	111	6,359	242	38.0	222	34.9	464	72.9
	CROSSBRED	559	6,295	233	37.1	203	32.2	436	69.3
	MONTBELIARDE	22,153	6,806	254	37.3	223	32.7	476	70.0
	PRIM·HOLSTEIN	1,784	8,450	315	37.3	264	31.2	579	68.5
Seine Maritime	JERSIAISE	166	3,975	214	53.8	152	38.4	366	92.1
	PIE ROUGE	1,043	6,791	282	41.6	225	33.2	508	74.7
	BRUNE	46	6,655	285	42.9	231	34.7	516	77.5
	CROSSBRED	5,680	6,677	265	39.7	216	32.3	480	72.0
	MONTBELIARDE	1,105	6,977	276	39.6	229	32.8	505	72.4
	NORMANDE	13,906	5,947	245	41.3	204	34.2	449	75.5
	PRIM·HOLSTEIN	30,030	8,019	309	38.6	252	31.4	561	70.0
Seine & Marne	CROSSBRED	83	7,726	311	40.2	246	31.9	557	72.1
	PRIM·HOLSTEIN	2,543	8,567	331	38.7	267	31.1	598	69.8
Yvelines	JERSIAISE	42	3,174	172	54.2	122	38.5	294	92.8
	PRIM·HOLSTEIN	1,041	8,858	332	37.5	270	30.5	602	68.0
Deux Sèvres	JERSIAISE	352	5,194	288	55.4	201	38.7	489	94.1
	CROSSBRED	435	7,768	304	39.1	250	32.2	554	71.4
	MONTBELIARDE	985	6,691	263	39.4	221	33.0	484	72.3
	NORMANDE	602	5,679	233	41.0	192	33.8	425	74.9
	PRIM·HOLSTEIN	20,440	8,498	333	39.2	270	31.7	603	70.9
Somme	JERSIAISE	51	5,022	267	53.2	190	37.8	457	91.1
	PIE ROUGE	73	5,451	233	42.8	174	32.0	408	74.8
	BRUNE	84	6,660	275	41.2	225	33.8	500	75.0
	CROSSBRED	2,024	7,709	300	38.9	245	31.8	545	70.7
	MONTBELIARDE	677	7,038	274	39.0	230	32.7	505	71.7
	NORMANDE	440	6,469	266	41.1	220	34.0	486	75.1
	PRIM·HOLSTEIN	23,102	8,392	322	38.3	263	31.4	585	69.7
Tarn	ABONDANCE	79	4,014	149	37.1	129	32.2	278	69.4
	BRUNE	311	5,419	226	41.8	178	32.9	405	74.7
	CROSSBRED	494	6,195	249	40.2	196	31.6	445	71.8
	MONTBELIARDE	464	5,837	230	39.5	187	32.0	417	71.4
	PRIM·HOLSTEIN	8,890	7,563	294	38.9	235	31.0	528	69.9
Tarn & Garonne	BRUNE	87	4,470	190	42.4	148	33.2	338	75.6
	CROSSBRED	290	6,110	261	42.8	193	31.5	454	74.3
	MONTBELIARDE	211	6,355	276	43.4	204	32.0	479	75.4
	PRIM·HOLSTEIN	3,064	7,327	287	39.2	228	31.1	515	70.3

¹Only the breeds with more than 40 results are listed here.



305-d lactations - all lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Vendée	JERSIAISE	496	4,301	234	54.5	159	36.9	393	91.4
	BRUNE	191	6,795	293	43.2	234	34.5	528	77.7
	SIMMENTAL FRANCAISE	98	5,744	232	40.3	190	33.1	421	73.4
	CROSSBRED	1,506	7,067	288	40.7	228	32.2	516	73.0
	MONTBELIARDE	2,357	7,092	283	39.9	237	33.4	520	73.3
	NORMANDE	1,793	5,891	247	42.0	205	34.8	452	76.8
	PRIM'HOLSTEIN	50,986	8,232	331	40.2	260	31.6	591	71.8
Vienne	CROSSBRED	296	7,503	307	41.0	237	31.6	545	72.6
	MONTBELIARDE	332	6,854	276	40.3	230	33.6	507	73.9
	NORMANDE	215	5,765	247	42.8	194	33.7	441	76.5
	PRIM'HOLSTEIN	5,795	8,051	318	39.5	254	31.6	572	71.1
Haute Vienne	CROSSBRED	396	5,767	234	40.6	184	31.9	418	72.5
	MONTBELIARDE	313	5,141	208	40.4	166	32.3	374	72.8
	NORMANDE	578	4,816	208	43.2	162	33.6	370	76.9
	PRIM'HOLSTEIN	3,635	7,710	301	39.1	242	31.4	543	70.5
Vosges	AYRSHIRE	113	6,431	314	48.8	196	30.5	510	79.3
	BRUNE	198	5,593	227	40.5	184	32.9	411	73.4
	SIMMENTAL FRANCAISE	538	5,968	240	40.2	197	33.1	437	73.3
	CROSSBRED	2,430	6,646	263	39.6	213	32.0	476	71.6
	MONTBELIARDE	9,118	6,580	258	39.3	215	32.7	474	72.0
	NORMANDE	75	5,622	225	40.0	185	33.0	410	73.0
	VOSGIENNE	503	3,508	128	36.5	109	31.0	237	67.5
	PRIM'HOLSTEIN	27,977	7,626	298	39.1	240	31.5	539	70.6
Yonne	BRUNE	146	5,751	241	41.9	191	33.2	432	75.0
	CROSSBRED	658	7,375	293	39.7	237	32.2	530	71.8
	MONTBELIARDE	807	6,727	267	39.6	219	32.6	486	72.2
	NORMANDE	84	6,088	263	43.1	210	34.5	473	77.7
	PRIM'HOLSTEIN	7,241	8,322	324	39.0	259	31.2	584	70.2
Territoire de Belfort	CROSSBRED	164	6,425	255	39.7	206	32.1	462	71.9
	MONTBELIARDE	2,190	7,102	277	39.0	235	33.1	512	72.1
	PRIM'HOLSTEIN	1,390	7,827	307	39.2	248	31.7	555	70.9
Val d'Oise	PRIM'HOLSTEIN	175	7,898	292	37.0	243	30.7	535	67.7
Réunion	BRUNE	147	5,995	236	39.4	208	34.7	444	74.1
	CROSSBRED	407	6,193	233	37.6	197	31.9	430	69.5
	MONTBELIARDE	113	6,260	236	37.6	201	32.2	437	69.8
	PRIM'HOLSTEIN	1,923	6,808	247	36.3	209	30.7	456	67.0

¹Only the breeds with more than 40 results are listed here.



3.8 - 305-d lactations - all breeds - first lactations

Local area ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Ain	10,692	6,624	260	39.3	218	32.9	478	72.2
Aisne	7,478	7,189	279	38.8	229	31.8	508	70.6
Allier	1,598	6,602	254	38.5	209	31.7	463	70.2
Alpes Hte Provence	187	4,816	185	38.4	158	32.7	343	71.1
Hautes Alpes	781	4,826	182	37.8	153	31.7	335	69.5
Ardèche	1,684	5,739	224	39.0	185	32.3	409	71.3
Ardennes	5,158	6,862	264	38.5	217	31.6	481	70.1
Ariège	928	6,989	265	37.9	223	32.0	488	69.8
Aube	2,614	7,294	279	38.2	231	31.7	510	69.9
Aude	97	6,311	244	38.6	201	31.8	444	70.4
Aveyron	11,281	6,433	251	39.0	204	31.8	455	70.7
Calvados	18,919	6,413	253	39.4	207	32.3	460	71.7
Cantal	13,946	5,639	216	38.4	179	31.7	395	70.0
Charente	2,129	6,489	258	39.8	206	31.8	465	71.6
Charente Maritime	3,327	6,989	272	38.9	223	31.9	495	70.8
Cher	1,224	6,802	269	39.5	218	32.0	486	71.5
Corrèze	1,458	5,913	228	38.5	185	31.3	413	69.8
Côte d'Or	4,369	6,171	244	39.5	204	33.0	447	72.5
Côtes d'Armor	41,409	6,727	266	39.6	212	31.5	478	71.1
Creuse	1,166	6,229	240	38.5	196	31.5	436	70.1
Dordogne	3,440	7,003	272	38.8	223	31.9	495	70.7
Doubs	27,988	5,676	213	37.4	185	32.7	398	70.1
Drôme	860	6,817	266	39.1	222	32.6	488	71.7
Eure	6,081	6,738	265	39.3	218	32.4	483	71.7
Eure & Loir	2,079	6,896	274	39.7	224	32.5	498	72.2
Finistère	34,002	6,413	254	39.5	201	31.4	455	70.9
Haute Garonne	2,318	6,824	260	38.2	215	31.6	476	69.7
Gers	446	5,934	226	38.0	186	31.4	412	69.4
Gironde	1,138	7,076	266	37.6	224	31.7	490	69.3
Ille & Vilaine	66,904	6,678	265	39.7	211	31.7	477	71.4
Indre	1,534	7,531	295	39.2	241	32.0	536	71.2
Indre & Loire	4,544	7,458	292	39.1	238	32.0	530	71.1
Isère	6,613	6,583	259	39.3	214	32.6	473	71.9
Jura	15,302	5,616	209	37.1	184	32.8	393	70.0
Landes	1,453	7,164	277	38.7	223	31.2	501	69.9
Loir & Cher	2,962	7,311	288	39.4	233	31.9	522	71.4
Loire	11,680	6,483	253	39.1	208	32.1	462	71.2
Haute Loire	12,054	6,134	241	39.3	199	32.4	440	71.8
Loire Atlantique	33,846	6,621	264	39.9	211	31.9	475	71.8
Loiret	2,082	7,275	285	39.2	232	31.8	517	71.0
Lot	2,885	6,851	266	38.8	217	31.7	483	70.5
Lot & Garonne	2,104	6,778	261	38.4	213	31.4	473	69.8
Lozère	2,112	5,252	199	37.8	169	32.1	367	70.0
Maine & Loire	24,522	6,847	276	40.3	221	32.2	497	72.5
Manche	46,013	6,527	259	39.7	213	32.6	472	72.3
Marne	1,722	7,267	272	37.4	230	31.7	502	69.1
Haute Marne	8,734	7,005	271	38.6	229	32.6	499	71.3

¹Only the local areas which count up more than 40 results are listed here.



305-d lactations - all breeds - first lactations (cont.)

Local area ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Mayenne	48,465	6,574	261	39.7	212	32.2	473	71.9
Meurthe & Moselle	8,216	7,019	272	38.8	221	31.5	493	70.3
Meuse	9,593	7,505	288	38.3	238	31.7	526	70.0
Morbihan	34,078	6,796	270	39.7	216	31.8	486	71.5
Moselle	11,040	6,894	269	39.1	221	32.0	490	71.1
Nièvre	372	7,005	264	37.6	219	31.3	483	68.9
Nord	18,546	7,295	281	38.6	229	31.4	510	69.9
Oise	4,217	7,108	275	38.8	225	31.7	501	70.4
Orne	25,735	6,515	261	40.1	213	32.7	474	72.8
Pas de Calais	17,024	7,564	286	37.8	238	31.4	523	69.2
Puy de Dôme	11,223	5,874	224	38.1	186	31.7	410	69.8
Pyrénées Atlantiques	4,200	7,470	282	37.7	237	31.7	518	69.4
Hautes Pyrénées	1,073	7,475	286	38.2	238	31.9	524	70.1
Pyrénées Orientales	48	5,766	229	39.8	185	32.1	414	71.9
Bas Rhin	8,825	7,664	298	38.9	247	32.3	546	71.2
Haut Rhin	4,316	6,646	261	39.3	214	32.2	475	71.5
Rhône	6,282	6,413	250	39.0	208	32.4	457	71.3
Haute Saône	10,911	6,074	236	38.9	202	33.3	438	72.2
Saône & Loire	5,547	6,531	257	39.4	216	33.1	473	72.5
Sarthe	18,510	6,949	275	39.6	226	32.5	501	72.1
Savoie	6,438	4,598	171	37.2	151	32.8	322	70.1
Haute Savoie	10,914	5,688	212	37.2	188	33.1	400	70.3
Seine Maritime	19,162	6,579	257	39.0	212	32.3	469	71.3
Seine & Marne	998	7,698	295	38.4	242	31.5	538	69.8
Yvelines	451	7,447	286	38.4	231	31.0	516	69.4
Deux Sèvres	8,361	7,391	289	39.2	237	32.1	527	71.3
Somme	10,302	7,483	284	38.0	237	31.6	521	69.6
Tarn	3,381	6,605	254	38.5	207	31.3	461	69.8
Tarn & Garonne	1,119	6,470	252	39.0	203	31.4	456	70.5
Vendée	21,657	7,160	285	39.8	229	31.9	514	71.7
Vienne	2,405	7,080	279	39.4	226	31.9	505	71.3
Haute Vienne	1,633	6,462	253	39.1	206	31.8	459	71.0
Vosges	14,240	6,567	256	39.0	210	32.0	466	71.0
Yonne	3,392	7,306	284	38.9	231	31.6	515	70.5
Territoire de Belfort	1,215	6,791	265	39.1	223	32.8	488	71.9
Val d'Oise	61	6,701	257	38.3	209	31.1	465	69.4
Réunion	821	6,108	221	36.1	192	31.4	412	67.5

¹Only the local areas which count up more than 40 results are listed here.



3.9 - 305-d lactations - first lactations per local area and breed

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Ain	BRUNE	54	5,600	225	40.2	192	34.3	417	74.5
	SIMMENTAL FRANCAISE	182	5,355	207	38.6	179	33.5	386	72.1
	CROSSBRED	588	6,795	267	39.3	222	32.7	489	72.0
	MONTBELIARDE	7,301	6,285	248	39.5	210	33.3	458	72.9
	PRIM'HOLSTEIN	2,530	7,712	299	38.8	246	31.8	545	70.6
Aisne	CROSSBRED	678	6,696	265	39.6	215	32.1	480	71.7
	MONTBELIARDE	195	6,266	246	39.3	207	33.0	453	72.3
	NORMANDE	121	4,827	195	40.3	161	33.4	356	73.8
	PRIM'HOLSTEIN	6,421	7,328	283	38.7	232	31.7	515	70.3
Allier	CROSSBRED	62	5,702	218	38.3	180	31.5	398	69.8
	MONTBELIARDE	148	4,872	192	39.4	163	33.5	355	73.0
	NORMANDE	71	5,578	228	40.9	190	34.1	418	75.0
	PRIM'HOLSTEIN	1,283	6,967	266	38.2	219	31.5	485	69.7
Alpes Hte Provence	MONTBELIARDE	124	5,104	194	38.1	166	32.6	360	70.6
Hautes Alpes	ABONDANCE	113	3,684	135	36.7	119	32.3	254	69.0
	TARENDAISE	60	3,580	129	36.2	116	32.3	245	68.5
	CROSSBRED	64	4,632	177	38.2	149	32.2	326	70.4
	MONTBELIARDE	365	4,972	190	38.2	159	32.0	349	70.1
	PRIM'HOLSTEIN	166	5,824	219	37.6	177	30.4	396	67.9
Ardèche	ABONDANCE	121	4,911	186	38.0	165	33.6	351	71.6
	CROSSBRED	112	4,981	195	39.1	159	31.9	354	71.0
	MONTBELIARDE	1,100	5,588	221	39.5	182	32.6	403	72.1
	PRIM'HOLSTEIN	342	6,808	259	38.0	212	31.2	471	69.1
Ardennes	CROSSBRED	487	6,090	237	39.0	194	31.8	431	70.8
	MONTBELIARDE	142	5,633	221	39.3	184	32.6	405	71.9
	PRIM'HOLSTEIN	4,468	7,013	270	38.4	221	31.5	491	70.0
Ariège	BRUNE	142	6,140	251	41.0	208	33.9	460	74.9
	MONTBELIARDE	74	5,167	197	38.1	167	32.3	364	70.4
	PRIM'HOLSTEIN	667	7,517	280	37.2	238	31.6	517	68.8
Aube	BRUNE	91	6,246	255	40.8	214	34.3	469	75.1
	CROSSBRED	140	6,939	270	38.9	223	32.1	493	71.0
	MONTBELIARDE	146	5,872	226	38.4	200	34.0	425	72.4
	PRIM'HOLSTEIN	2,191	7,486	284	38.0	235	31.4	519	69.4
Aude	PRIM'HOLSTEIN	72	6,870	264	38.5	217	31.5	481	70.0

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Aveyron	AUBRAC	54	1,395	57	41.1	47	34.0	105	75.1
	BRUNE	686	5,678	235	41.4	192	33.7	427	75.2
	SIMMENTAL FRANCAISE	793	4,824	189	39.2	160	33.2	349	72.4
	CROSSBRED	322	5,628	219	38.8	178	31.6	396	70.4
	MONTBELIARDE	1,072	5,505	216	39.3	180	32.8	397	72.0
	PRIM'HOLSTEIN	8,265	6,859	266	38.7	215	31.4	481	70.1
Calvados	JERSAISE	127	4,485	262	58.3	178	39.6	439	97.9
	CROSSBRED	1,708	5,750	225	39.2	184	32.0	409	71.2
	MONTBELIARDE	278	5,663	230	40.6	187	33.0	417	73.6
	NORMANDE	3,837	5,122	211	41.2	175	34.2	386	75.4
	PRIM'HOLSTEIN	12,917	6,923	269	38.9	221	31.9	490	70.7
Cantal	ABONDANCE	120	3,789	140	36.8	126	33.2	265	70.0
	JERSAISE	61	3,871	201	52.0	138	35.6	339	87.6
	BRUNE	272	5,295	217	41.0	177	33.4	394	74.3
	SALERS	188	1,633	57	35.1	53	32.7	111	67.8
	SIMMENTAL FRANCAISE	286	4,186	161	38.5	138	33.1	300	71.6
	CROSSBRED	978	4,954	189	38.3	155	31.2	344	69.5
	MONTBELIARDE	4,802	5,272	201	38.2	172	32.5	373	70.7
	NORMANDE	67	4,862	197	40.5	162	33.2	359	73.8
PRIM'HOLSTEIN	7,134	6,219	238	38.3	193	31.1	432	69.4	
Charente	JERSAISE	77	4,717	265	56.1	184	39.0	449	95.1
	CROSSBRED	110	5,864	238	40.6	190	32.3	427	72.9
	MONTBELIARDE	132	5,769	228	39.6	191	33.1	419	72.7
	NORMANDE	179	5,063	214	42.3	173	34.1	387	76.4
	PRIM'HOLSTEIN	1,620	6,841	267	39.1	214	31.3	481	70.3
Charente Maritime	CROSSBRED	174	6,264	248	39.6	202	32.2	450	71.8
	MONTBELIARDE	117	6,335	257	40.6	211	33.3	468	73.9
	NORMANDE	151	5,071	210	41.4	171	33.6	381	75.1
	PRIM'HOLSTEIN	2,859	7,168	277	38.7	228	31.7	505	70.4
Cher	CROSSBRED	162	6,312	248	39.4	203	32.1	451	71.5
	PRIM'HOLSTEIN	992	7,036	275	39.1	223	31.7	499	70.9
Corrèze	CROSSBRED	77	5,134	198	38.6	162	31.6	360	70.2
	MONTBELIARDE	129	5,118	202	39.5	166	32.4	368	71.9
	PRIM'HOLSTEIN	1,199	6,137	235	38.2	191	31.1	426	69.4
Côte d'Or	BRUNE	989	6,238	256	41.0	215	34.5	471	75.5
	SIMMENTAL FRANCAISE	507	5,877	237	40.3	198	33.7	435	74.0
	CROSSBRED	152	5,537	216	39.0	179	32.3	394	71.2
	MONTBELIARDE	1,383	5,808	227	39.2	194	33.3	421	72.5
	PRIM'HOLSTEIN	1,306	6,763	260	38.5	213	31.5	473	70.0

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Côtes d'Armor	PIE ROUGE	448	5,837	245	41.9	191	32.7	436	74.6
	BRUNE	142	5,546	231	41.6	183	33.0	414	74.7
	CROSSBRED	1,135	6,184	248	40.2	195	31.5	443	71.7
	MONTBELIARDE	740	5,928	238	40.2	193	32.5	431	72.7
	NORMANDE	2,628	5,344	225	42.1	180	33.8	405	75.9
	PRIM·HOLSTEIN	36,273	6,880	271	39.3	216	31.4	486	70.7
Creuse	CROSSBRED	72	5,561	216	38.9	173	31.2	390	70.1
	MONTBELIARDE	101	5,186	204	39.3	172	33.2	376	72.5
	PRIM·HOLSTEIN	955	6,478	249	38.4	203	31.4	452	69.7
Dordogne	CROSSBRED	215	6,144	246	40.1	200	32.6	447	72.7
	MONTBELIARDE	263	6,170	248	40.2	205	33.3	453	73.5
	NORMANDE	46	4,387	177	40.3	148	33.7	325	74.0
	PRIM·HOLSTEIN	2,886	7,204	278	38.6	228	31.7	506	70.2
Doubs	SIMMENTAL FRANCAISE	53	4,546	172	37.8	148	32.5	319	70.3
	CROSSBRED	360	5,853	227	38.8	188	32.2	415	71.0
	MONTBELIARDE	26,922	5,648	211	37.4	185	32.7	396	70.1
	PRIM·HOLSTEIN	631	6,891	260	37.7	219	31.8	479	69.5
Drôme	CROSSBRED	49	6,165	235	38.2	199	32.3	435	70.5
	MONTBELIARDE	463	6,077	239	39.4	200	32.9	439	72.2
	PRIM·HOLSTEIN	323	8,191	318	38.9	265	32.4	584	71.2
Eure	CROSSBRED	584	6,182	244	39.5	202	32.7	446	72.2
	MONTBELIARDE	53	6,265	254	40.6	212	33.9	466	74.4
	NORMANDE	1,263	5,326	222	41.6	183	34.3	404	75.9
	PRIM·HOLSTEIN	4,147	7,273	282	38.8	232	31.9	514	70.7
Eure & Loir	NORMANDE	485	5,335	222	41.7	184	34.5	406	76.2
	PRIM·HOLSTEIN	1,468	7,523	293	39.0	239	31.8	533	70.8
Finistère	JERSIAISE	115	3,458	189	54.7	129	37.2	318	91.9
	PIE ROUGE	556	5,973	249	41.6	196	32.7	444	74.4
	BRUNE	135	5,653	233	41.2	187	33.1	420	74.4
	CROSSBRED	1,316	5,659	228	40.3	179	31.6	407	71.8
	MONTBELIARDE	322	5,613	227	40.4	182	32.4	409	72.8
	NORMANDE	974	4,992	210	42.0	167	33.4	377	75.5
	PRIM·HOLSTEIN	30,570	6,523	257	39.4	204	31.2	461	70.6
Haute Garonne	CROSSBRED	62	6,432	255	39.6	206	32.1	461	71.7
	MONTBELIARDE	283	5,795	227	39.1	192	33.1	419	72.2
	PRIM·HOLSTEIN	1,908	7,050	267	37.9	221	31.3	488	69.3

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Gers	PRIM·HOLSTEIN	374	6,126	231	37.8	191	31.1	422	68.9
Gironde	CROSSBRED	47	5,203	197	37.8	166	31.9	363	69.7
	PRIM·HOLSTEIN	1,054	7,239	272	37.6	229	31.7	501	69.2
Ille & Vilaine	JERSIAISE	123	3,609	187	51.7	131	36.2	317	87.9
	PIE ROUGE	344	5,842	242	41.5	191	32.6	433	74.1
	BRUNE	122	5,798	241	41.5	193	33.4	434	74.9
	SIMMENTAL FRANCAISE	42	4,068	170	41.7	130	32.1	300	73.7
	CROSSBRED	2,665	5,785	230	39.7	183	31.6	413	71.4
	MONTBELIARDE	1,853	5,808	234	40.2	190	32.7	423	72.9
	NORMANDE	5,475	5,242	219	41.7	176	33.5	394	75.3
	PRIM·HOLSTEIN	56,249	6,907	273	39.6	217	31.5	491	71.0
Indre	CROSSBRED	80	7,215	282	39.1	232	32.2	514	71.2
	PRIM·HOLSTEIN	1,402	7,616	298	39.2	243	32.0	542	71.1
Indre & Loire	CROSSBRED	190	6,608	263	39.7	210	31.8	473	71.5
	MONTBELIARDE	184	6,310	257	40.7	208	32.9	465	73.6
	NORMANDE	86	4,992	212	42.5	170	34.1	382	76.6
	PRIM·HOLSTEIN	4,066	7,608	297	39.0	243	31.9	539	70.9
Isère	ABONDANCE	121	4,801	176	36.6	158	33.0	334	69.6
	SIMMENTAL FRANCAISE	121	5,751	241	41.9	194	33.7	435	75.6
	CROSSBRED	307	6,257	247	39.5	203	32.4	450	71.9
	MONTBELIARDE	3,945	6,360	253	39.8	210	33.1	463	72.9
	PRIM·HOLSTEIN	2,043	7,296	281	38.5	231	31.6	512	70.1
Jura	SIMMENTAL FRANCAISE	379	5,438	216	39.7	183	33.7	399	73.4
	CROSSBRED	204	5,381	210	39.1	179	33.3	389	72.3
	MONTBELIARDE	14,427	5,592	207	37.0	183	32.8	390	69.8
	PRIM·HOLSTEIN	263	7,562	293	38.7	243	32.2	536	70.9
Landes	PRIM·HOLSTEIN	1,397	7,219	279	38.7	225	31.1	504	69.8
Loir & Cher	CROSSBRED	54	7,046	277	39.3	227	32.2	504	71.5
	MONTBELIARDE	52	6,850	276	40.3	231	33.7	507	74.0
	NORMANDE	340	5,430	230	42.3	184	33.8	413	76.1
	PRIM·HOLSTEIN	2,497	7,589	297	39.1	240	31.7	537	70.8
Loire	ABONDANCE	40	4,363	163	37.5	145	33.3	309	70.7
	BRUNE	87	5,805	238	40.9	195	33.6	433	74.6
	SIMMENTAL FRANCAISE	94	5,954	239	40.1	198	33.3	437	73.4
	CROSSBRED	553	6,129	240	39.2	197	32.1	437	71.3
	MONTBELIARDE	4,843	5,969	236	39.5	198	33.1	433	72.6
	PRIM·HOLSTEIN	6,012	6,981	270	38.7	220	31.4	490	70.2

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Haute Loire	ABONDANCE	209	4,389	164	37.4	147	33.6	312	71.0
	BRUNE	82	5,279	215	40.7	172	32.6	387	73.3
	TARENTEISE	50	3,853	154	40.1	132	34.3	286	74.4
	CROSSBRED	722	5,759	226	39.3	185	32.1	411	71.4
	MONTBELIARDE	7,583	5,926	234	39.5	195	32.9	429	72.4
	PRIM'HOLSTEIN	3,363	6,867	268	39.0	216	31.5	484	70.5
Loire Atlantique	JERSIAISE	69	3,730	202	54.1	136	36.3	337	90.5
	PIE ROUGE	113	6,176	268	43.4	211	34.2	479	77.6
	BRUNE	96	5,086	210	41.3	167	32.8	377	74.1
	SIMMENTAL FRANCAISE	91	4,247	179	42.2	142	33.4	321	75.6
	CROSSBRED	872	5,582	225	40.4	178	31.8	403	72.2
	MONTBELIARDE	1,075	5,915	238	40.2	193	32.7	431	72.8
	NORMANDE	2,505	5,111	214	41.8	173	33.9	387	75.7
	PRIM'HOLSTEIN	28,988	6,835	272	39.8	217	31.7	488	71.5
Loiret	CROSSBRED	153	6,614	268	40.5	218	32.9	485	73.4
	MONTBELIARDE	77	5,894	235	39.9	192	32.6	427	72.5
	PRIM'HOLSTEIN	1,814	7,422	290	39.0	235	31.7	525	70.7
Lot	CROSSBRED	214	6,195	242	39.1	197	31.9	439	70.9
	MONTBELIARDE	308	5,968	234	39.2	195	32.6	429	71.9
	PRIM'HOLSTEIN	2,324	7,054	273	38.7	223	31.5	496	70.2
Lot & Garonne	CROSSBRED	201	5,841	231	39.6	185	31.7	416	71.3
	MONTBELIARDE	49	6,260	249	39.8	206	32.9	455	72.7
	NORMANDE	44	4,609	196	42.4	157	34.1	353	76.5
	PRIM'HOLSTEIN	1,788	6,977	266	38.2	218	31.3	485	69.5
Lozère	ABONDANCE	87	3,586	132	36.8	117	32.6	249	69.4
	BRUNE	212	5,354	212	39.7	175	32.7	387	72.4
	SIMMENTAL FRANCAISE	149	4,517	175	38.7	152	33.6	327	72.3
	MONTBELIARDE	1,250	5,196	196	37.7	169	32.5	365	70.2
	PRIM'HOLSTEIN	359	6,248	230	36.9	190	30.4	420	67.2
Maine & Loire	JERSIAISE	696	4,202	227	54.0	158	37.6	385	91.6
	BRUNE	201	5,885	256	43.4	204	34.7	460	78.1
	SIMMENTAL FRANCAISE	58	5,602	232	41.3	189	33.7	420	75.1
	CROSSBRED	781	6,129	250	40.8	199	32.4	449	73.3
	MONTBELIARDE	1,345	5,863	235	40.0	195	33.3	430	73.3
	NORMANDE	1,250	5,181	218	42.1	178	34.3	396	76.4
	PRIM'HOLSTEIN	20,179	7,150	286	39.9	228	31.9	514	71.9

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Manche	JERSIAISE	244	3,635	202	55.7	135	37.3	338	92.9
	PIE ROUGE	83	6,555	271	41.3	213	32.5	484	73.8
	BRUNE	108	5,642	234	41.4	190	33.7	424	75.1
	SIMMENTAL FRANCAISE	64	5,605	236	42.1	194	34.6	430	76.7
	CROSSBRED	3,527	6,011	238	39.6	195	32.4	433	72.0
	MONTBELIARDE	462	6,105	243	39.9	204	33.5	448	73.3
	NORMANDE	13,979	5,409	227	41.9	186	34.4	413	76.3
	PRIM'HOLSTEIN	27,543	7,199	279	38.8	230	31.9	509	70.7
Marne	CROSSBRED	52	5,941	222	37.4	191	32.2	414	69.6
	PRIM'HOLSTEIN	1,629	7,365	275	37.3	233	31.6	508	69.0
Haute Marne	BRUNE	208	5,539	227	41.1	189	34.1	416	75.1
	SIMMENTAL FRANCAISE	728	5,578	225	40.4	192	34.4	417	74.7
	CROSSBRED	368	6,531	256	39.1	215	32.8	470	72.0
	MONTBELIARDE	1,949	6,265	247	39.3	211	33.7	458	73.1
	PRIM'HOLSTEIN	5,420	7,581	289	38.1	243	32.1	532	70.2
Mayenne	JERSIAISE	223	3,889	220	56.5	149	38.4	369	94.9
	BRUNE	144	5,521	229	41.5	185	33.6	414	75.1
	SIMMENTAL FRANCAISE	119	5,282	225	42.6	173	32.7	398	75.4
	CROSSBRED	2,293	6,025	241	40.0	195	32.3	436	72.3
	MONTBELIARDE	1,929	5,806	231	39.8	192	33.1	423	72.8
	NORMANDE	9,484	5,365	223	41.5	183	34.1	405	75.6
	PRIM'HOLSTEIN	34,250	7,017	276	39.3	222	31.7	498	71.0
Meurthe & Moselle	BRUNE	71	5,535	222	40.1	183	33.1	405	73.2
	CROSSBRED	450	6,333	252	39.8	202	31.9	454	71.7
	MONTBELIARDE	370	5,656	226	40.0	186	32.8	412	72.8
	PRIM'HOLSTEIN	7,287	7,157	277	38.7	224	31.4	501	70.0
Meuse	BRUNE	65	6,081	246	40.4	203	33.4	449	73.8
	SIMMENTAL FRANCAISE	85	6,285	262	41.7	211	33.5	473	75.2
	CROSSBRED	351	6,442	255	39.6	208	32.3	463	71.9
	MONTBELIARDE	266	6,140	242	39.4	200	32.6	442	72.0
	PRIM'HOLSTEIN	8,801	7,615	291	38.2	241	31.6	532	69.8
Morbihan	PIE ROUGE	844	6,125	258	42.1	206	33.7	464	75.8
	SIMMENTAL FRANCAISE	77	5,652	229	40.5	190	33.6	419	74.1
	CROSSBRED	709	6,123	247	40.4	197	32.2	444	72.6
	MONTBELIARDE	829	5,927	237	40.0	193	32.6	431	72.7
	NORMANDE	1,430	5,251	219	41.6	177	33.8	396	75.4
	PRIM'HOLSTEIN	30,140	6,935	274	39.6	220	31.7	494	71.2

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Moselle	BRUNE	55	5,069	207	40.9	168	33.2	376	74.1
	CROSSBRED	988	6,136	243	39.7	199	32.4	442	72.1
	MONTBELIARDE	454	5,430	216	39.9	178	32.9	395	72.7
	PRIM'HOLSTEIN	9,492	7,064	275	39.0	226	31.9	501	70.9
Nièvre	PRIM'HOLSTEIN	321	7,286	274	37.6	227	31.2	501	68.8
Nord	BRUNE	59	6,294	257	40.8	211	33.5	468	74.3
	CROSSBRED	1,630	6,484	252	38.8	204	31.5	456	70.3
	MONTBELIARDE	610	5,977	234	39.2	195	32.6	429	71.8
	BLEUE DU NORD	150	4,011	150	37.5	127	31.8	278	69.2
	ROUGE FLAMANDE	149	4,729	187	39.6	155	32.8	342	72.4
	PRIM'HOLSTEIN	15,871	7,499	289	38.5	235	31.3	523	69.8
Oise	CROSSBRED	324	6,363	253	39.7	204	32.1	457	71.8
	MONTBELIARDE	72	5,985	232	38.8	192	32.0	424	70.8
	NORMANDE	144	6,270	260	41.5	216	34.5	477	76.0
	PRIM'HOLSTEIN	3,651	7,249	280	38.6	229	31.5	508	70.1
Orne	JERSIAISE	75	4,274	231	54.1	158	36.9	389	91.0
	BRUNE	43	5,224	209	39.9	173	33.1	381	73.0
	CROSSBRED	1,349	5,891	236	40.1	192	32.5	428	72.6
	MONTBELIARDE	254	5,681	227	40.0	188	33.1	415	73.1
	NORMANDE	8,993	5,418	227	42.0	186	34.4	414	76.4
	PRIM'HOLSTEIN	15,003	7,258	285	39.3	232	31.9	517	71.2
Pas de Calais	BRUNE	92	6,756	274	40.6	230	34.0	504	74.6
	CROSSBRED	1,022	7,075	273	38.5	225	31.9	498	70.4
	MONTBELIARDE	249	6,375	249	39.0	208	32.6	457	71.7
	NORMANDE	76	6,128	250	40.8	205	33.4	455	74.3
	ROUGE FLAMANDE	63	4,261	164	38.4	136	31.9	299	70.3
	PRIM'HOLSTEIN	15,495	7,646	288	37.7	240	31.3	528	69.0
Puy de Dôme	ABONDANCE	165	4,271	158	37.1	143	33.5	301	70.6
	JERSIAISE	97	3,925	191	48.6	138	35.3	329	83.9
	BRUNE	109	5,150	206	40.0	171	33.3	378	73.3
	SALERS	53	2,607	96	36.8	85	32.6	181	69.4
	SIMMENTAL FRANCAISE	69	4,787	187	39.0	159	33.1	345	72.1
	CROSSBRED	792	5,315	203	38.2	168	31.6	371	69.8
	MONTBELIARDE	3,774	5,543	213	38.4	181	32.6	394	71.0
	NORMANDE	92	4,156	161	38.7	133	31.9	293	70.6
PRIM'HOLSTEIN	6,044	6,321	239	37.9	196	31.0	436	68.9	
Pyrénées Atlantiques	BRUNE	62	5,855	231	39.5	197	33.6	428	73.1
	CROSSBRED	132	6,114	238	38.9	197	32.2	434	71.1
	MONTBELIARDE	290	6,082	234	38.5	202	33.2	436	71.7
	PRIM'HOLSTEIN	3,681	7,683	289	37.6	242	31.5	531	69.2

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Hautes Pyrénées	MONTBELIARDE	94	5,934	229	38.6	193	32.5	422	71.1
	PRIM'HOLSTEIN	912	7,760	296	38.1	247	31.8	543	69.9
Bas Rhin	SIMMENTAL FRANCAISE	286	6,016	251	41.7	203	33.7	454	75.4
	CROSSBRED	430	6,966	275	39.5	227	32.5	502	72.0
	MONTBELIARDE	323	6,355	255	40.2	215	33.8	470	74.0
	PRIM'HOLSTEIN	7,686	7,869	305	38.8	253	32.1	558	70.9
Haut Rhin	CROSSBRED	312	6,138	241	39.3	197	32.1	438	71.3
	MONTBELIARDE	1,276	6,167	248	40.3	205	33.3	453	73.5
	VOSGIENNE	173	3,210	122	37.9	102	31.8	224	69.8
	PRIM'HOLSTEIN	2,479	7,270	282	38.9	231	31.7	513	70.6
Rhône	CROSSBRED	392	5,833	226	38.8	187	32.0	413	70.8
	MONTBELIARDE	3,245	5,997	236	39.4	199	33.1	435	72.5
	PRIM'HOLSTEIN	2,567	7,065	272	38.5	223	31.6	495	70.0
Haute Saône	BRUNE	42	5,574	227	40.7	187	33.6	414	74.3
	CROSSBRED	386	5,800	223	38.4	189	32.6	412	71.0
	MONTBELIARDE	8,570	5,901	230	39.0	198	33.6	428	72.6
	PRIM'HOLSTEIN	1,844	7,032	271	38.5	226	32.1	497	70.6
Saône & Loire	SIMMENTAL FRANCAISE	59	6,102	248	40.7	206	33.8	454	74.5
	CROSSBRED	239	6,271	246	39.2	203	32.3	449	71.5
	MONTBELIARDE	4,027	6,329	251	39.7	213	33.6	464	73.3
	PRIM'HOLSTEIN	1,203	7,322	280	38.2	233	31.8	513	70.0
Sarthe	JERISIAISE	50	4,128	220	53.4	156	37.8	376	91.1
	CROSSBRED	802	5,919	237	40.0	193	32.6	430	72.6
	MONTBELIARDE	796	6,157	248	40.3	206	33.4	454	73.7
	NORMANDE	2,452	5,431	232	42.6	189	34.8	420	77.4
	PRIM'HOLSTEIN	14,331	7,326	286	39.1	236	32.2	522	71.3
Savoie	ABONDANCE	2,019	4,121	150	36.3	134	32.5	283	68.8
	TARENDAISE	2,098	3,721	139	37.3	121	32.4	260	69.7
	CROSSBRED	131	4,022	151	37.5	131	32.6	282	70.1
	MONTBELIARDE	2,084	5,885	222	37.8	196	33.4	419	71.2
	PRIM'HOLSTEIN	102	6,527	241	36.9	213	32.6	454	69.5
Haute Savoie	ABONDANCE	3,400	4,671	170	36.3	156	33.3	325	69.6
	TARENDAISE	134	3,766	139	37.0	125	33.3	265	70.3
	CROSSBRED	179	5,559	209	37.6	181	32.5	390	70.1
	MONTBELIARDE	6,426	6,085	229	37.6	202	33.2	431	70.8
	PRIM'HOLSTEIN	699	7,478	277	37.1	235	31.4	512	68.4

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Seine Maritime	PIE ROUGE	345	5,913	245	41.4	199	33.6	443	75.0
	CROSSBRED	2,061	6,154	241	39.2	199	32.3	440	71.5
	MONTBELIARDE	397	6,002	238	39.7	198	33.0	436	72.6
	NORMANDE	5,008	5,461	225	41.1	187	34.2	411	75.3
	PRIM·HOLSTEIN	11,298	7,205	275	38.2	228	31.6	503	69.8
Seine & Marne	PRIM·HOLSTEIN	936	7,808	298	38.2	245	31.4	543	69.6
Yvelines	PRIM·HOLSTEIN	403	7,714	291	37.8	237	30.7	528	68.5
Deux Sèvres	JERSIAISE	99	4,570	245	53.6	172	37.5	416	91.1
	CROSSBRED	175	6,772	264	39.0	219	32.4	483	71.3
	MONTBELIARDE	316	5,870	234	39.8	194	33.1	428	72.9
	NORMANDE	208	5,285	219	41.5	179	33.9	399	75.5
	PRIM·HOLSTEIN	7,548	7,566	295	39.0	242	32.0	537	71.0
Somme	CROSSBRED	773	6,955	269	38.6	222	32.0	491	70.6
	MONTBELIARDE	234	6,124	241	39.4	202	33.0	443	72.4
	NORMANDE	172	6,139	252	41.1	210	34.3	463	75.4
	PRIM·HOLSTEIN	9,044	7,611	288	37.8	240	31.5	528	69.4
Tarn	BRUNE	100	5,060	207	41.0	166	32.8	373	73.8
	CROSSBRED	192	5,397	212	39.3	170	31.4	382	70.7
	MONTBELIARDE	153	5,439	214	39.3	174	32.0	388	71.3
	PRIM·HOLSTEIN	2,888	6,850	263	38.4	214	31.2	477	69.6
Tarn & Garonne	CROSSBRED	76	5,361	222	41.5	170	31.7	392	73.1
	MONTBELIARDE	55	5,570	224	40.3	177	31.7	401	72.0
	PRIM·HOLSTEIN	957	6,689	259	38.8	210	31.4	469	70.1
Vendée	JERSIAISE	147	3,631	191	52.5	129	35.6	320	88.1
	BRUNE	80	6,193	261	42.2	211	34.0	472	76.2
	CROSSBRED	487	6,354	260	40.9	206	32.4	466	73.3
	MONTBELIARDE	739	6,140	246	40.1	207	33.7	454	73.9
	NORMANDE	619	5,395	226	41.9	188	34.8	414	76.7
	PRIM·HOLSTEIN	19,545	7,308	290	39.7	232	31.8	522	71.4
Vienne	CROSSBRED	120	6,446	267	41.4	204	31.6	471	73.0
	MONTBELIARDE	117	6,184	247	40.0	209	33.8	456	73.8
	NORMANDE	77	5,547	234	42.2	184	33.2	418	75.4
	PRIM·HOLSTEIN	2,088	7,225	283	39.2	229	31.7	513	70.9
Haute Vienne	CROSSBRED	121	5,192	208	40.0	167	32.1	374	72.1
	MONTBELIARDE	63	5,244	212	40.5	171	32.5	383	73.0
	NORMANDE	196	4,634	199	43.0	154	33.3	354	76.3
	PRIM·HOLSTEIN	1,238	6,955	268	38.6	220	31.6	488	70.2

¹Only the breeds with more than 40 results are listed here.



305-d lactations - first lactations per local area and breed (cont.)

Local area	Breed ¹	Number of lactations	Milk yield kg	Fat content kg	Fat % g/kg	True protein content kg	True protein % g/kg	Fat+true protein content kg	Fat+true protein % g/kg
Vosges	BRUNE	72	5,250	212	40.3	173	33.0	385	73.3
	SIMMENTAL FRANCAISE	159	5,517	222	40.3	183	33.2	405	73.5
	CROSSBRED	849	5,998	239	39.8	193	32.1	431	71.9
	MONTBELIARDE	2,806	5,807	229	39.4	192	33.0	420	72.4
	VOSGIENNE	152	3,167	117	37.1	99	31.4	217	68.5
	PRIM'HOLSTEIN	10,129	6,914	268	38.8	219	31.7	488	70.6
Yonne	BRUNE	45	5,172	218	42.1	173	33.4	390	75.5
	CROSSBRED	218	6,732	266	39.5	216	32.0	482	71.6
	MONTBELIARDE	271	6,140	246	40.0	201	32.8	447	72.9
	PRIM'HOLSTEIN	2,811	7,528	291	38.7	236	31.4	528	70.1
Territoire de Belfort	CROSSBRED	44	6,391	247	38.7	207	32.4	455	71.1
	MONTBELIARDE	620	6,437	253	39.3	216	33.6	469	72.8
	PRIM'HOLSTEIN	538	7,261	282	38.8	232	32.0	514	70.8
Val d'Oise	PRIM'HOLSTEIN	60	6,682	256	38.4	208	31.1	464	69.5
Réunion	BRUNE	41	5,501	212	38.5	190	34.5	402	73.0
	CROSSBRED	99	5,916	218	36.9	189	31.9	407	68.8
	MONTBELIARDE	45	5,932	218	36.8	191	32.2	409	69.0
	PRIM'HOLSTEIN	635	6,191	222	35.8	192	31.0	414	66.8

¹Only the breeds with more than 40 results are listed here.



IV - SOMATIC CELLS COUNT RESULTS PER LOCAL AREA

Local area ¹	Intermediate somatic cell counts		All test-dates with cell count < 300,000		At least 2 test-dates with cell count >= 800,000		Total lactations
	Nb	%	Nb	%	Nb	%	
Ain	13,370	39.4	16,072	47.4	4,462	13.2	33,904
Aisne	7,626	38.5	9,622	48.6	2,556	12.9	19,804
Allier	1,791	39.8	1,930	42.9	775	17.2	4,496
Alpes Hte Provence	196	33.3	322	54.7	71	12.1	589
Hautes Alpes	912	36.0	1,330	52.5	289	11.4	2,531
Alpes Maritimes	51	54.8	26	28.0	16	17.2	93
Ardèche	2,835	41.4	3,003	43.8	1,013	14.8	6,851
Ardennes	5,612	38.9	6,982	48.4	1,832	12.7	14,426
Ariège	1,297	45.8	912	32.2	622	22.0	2,831
Aube	3,050	44.3	2,691	39.1	1,145	16.6	6,886
Aude	158	44.9	135	38.4	59	16.8	352
Aveyron	13,913	39.1	16,721	47.0	4,977	14.0	35,611
Calvados	20,276	38.8	25,276	48.4	6,643	12.7	52,195
Cantal	18,496	38.5	23,541	49.0	6,045	12.6	48,082
Charente	2,714	41.6	2,700	41.4	1,105	17.0	6,519
Charente Maritime	3,727	39.3	4,051	42.8	1,697	17.9	9,475
Cher	1,429	41.3	1,451	41.9	583	16.8	3,463
Corrèze	2,195	41.6	2,088	39.6	988	18.7	5,271
Côte d'Or	5,574	44.0	5,192	41.0	1,903	15.0	12,669
Côtes d'Armor	43,214	36.3	62,064	52.2	13,668	11.5	118,946
Creuse	1,518	43.2	1,337	38.0	662	18.8	3,517
Dordogne	4,584	42.1	4,258	39.1	2,044	18.8	10,886
Doubs	28,344	32.9	51,178	59.3	6,728	7.8	86,250
Drôme	1,189	42.0	1,099	38.8	544	19.2	2,832
Eure	6,555	39.7	7,443	45.0	2,530	15.3	16,528
Eure & Loir	2,304	41.1	2,409	43.0	890	15.9	5,603
Finistère	36,034	35.5	54,245	53.4	11,271	11.1	101,550
Haute Garonne	2,888	43.4	2,354	35.4	1,406	21.1	6,648
Gers	652	47.4	455	33.1	269	19.5	1,376
Gironde	1,466	41.9	1,259	36.0	773	22.1	3,498
Hérault	44	46.3	33	34.7	18	18.9	95
Ille & Vilaine	72,400	38.0	93,588	49.1	24,739	13.0	190,727
Indre	1,650	39.7	1,858	44.7	645	15.5	4,153
Indre & Loire	4,734	37.2	6,152	48.3	1,848	14.5	12,734
Isère	7,513	38.6	9,055	46.5	2,912	14.9	19,480
Jura	17,370	36.0	25,385	52.6	5,529	11.5	48,284
Landes	1,829	42.8	1,793	41.9	655	15.3	4,277
Loir & Cher	3,015	38.2	3,839	48.6	1,042	13.2	7,896
Loire	13,248	36.3	19,046	52.3	4,157	11.4	36,451
Haute Loire	15,889	39.0	19,335	47.5	5,501	13.5	40,725
Loire Atlantique	33,236	35.5	48,954	52.3	11,455	12.2	93,645
Loiret	2,397	43.3	2,091	37.7	1,052	19.0	5,540
Lot	3,634	40.7	3,692	41.4	1,592	17.9	8,918
Lot & Garonne	2,932	43.9	2,249	33.7	1,501	22.5	6,682
Lozère	3,078	38.4	3,843	47.9	1,097	13.7	8,018
Maine & Loire	23,843	36.1	34,267	51.8	8,019	12.1	66,129
Manche	48,765	37.9	62,976	49.0	16,905	13.1	128,646

¹Only the local areas which count up more than 40 results are listed here.



IV - SOMATIC CELLS COUNT RESULTS PER LOCAL AREA

Local area ¹	Intermediate somatic cell counts		All test-dates with cell count < 300,000		At least 2 test-dates with cell count >= 800,000		Total lactations
	Nb	%	Nb	%	Nb	%	
Marne	1,689	36.9	2,292	50.1	597	13.0	4,578
Haute Marne	9,235	37.3	12,426	50.3	3,067	12.4	24,728
Mayenne	48,001	37.0	65,169	50.3	16,392	12.7	129,562
Meurthe & Moselle	9,209	38.8	11,333	47.8	3,163	13.3	23,705
Meuse	9,560	36.6	13,255	50.7	3,326	12.7	26,141
Morbihan	33,769	34.2	54,592	55.3	10,430	10.6	98,791
Moselle	11,988	38.6	14,915	48.0	4,176	13.4	31,079
Nièvre	411	43.2	387	40.7	153	16.1	951
Nord	17,666	36.5	25,674	53.0	5,061	10.5	48,401
Oise	4,160	37.8	5,379	48.9	1,452	13.2	10,991
Orne	27,875	38.9	34,668	48.4	9,026	12.6	71,569
Pas de Calais	16,690	37.6	22,175	50.0	5,466	12.3	44,331
Puy de Dôme	15,517	40.5	17,186	44.9	5,611	14.6	38,314
Pyrénées Atlantiques	5,156	41.5	5,317	42.8	1,940	15.6	12,413
Hautes Pyrénées	1,335	41.6	1,333	41.5	543	16.9	3,211
Pyrénées Orientales	87	56.1	39	25.2	29	18.7	155
Bas Rhin	8,988	37.4	12,180	50.7	2,840	11.8	24,008
Haut Rhin	5,335	41.4	5,576	43.3	1,976	15.3	12,887
Rhône	8,316	38.9	10,493	49.1	2,575	12.0	21,384
Haute Saône	12,854	38.5	16,464	49.3	4,090	12.2	33,408
Saône & Loire	6,804	41.4	7,475	45.5	2,146	13.1	16,425
Sarthe	18,249	38.5	22,627	47.7	6,523	13.8	47,399
Savoie	9,621	42.2	10,284	45.1	2,879	12.6	22,784
Haute Savoie	13,365	36.2	20,593	55.8	2,930	7.9	36,888
Seine Maritime	21,226	40.8	23,595	45.4	7,157	13.8	51,978
Seine & Marne	1,107	40.9	1,138	42.1	459	17.0	2,704
Yvelines	483	43.0	508	45.2	133	11.8	1,124
Deux Sèvres	8,556	37.4	11,326	49.5	2,983	13.0	22,865
Somme	10,032	37.9	12,918	48.8	3,521	13.3	26,471
Tarn	4,394	42.6	3,914	38.0	1,995	19.4	10,303
Tarn & Garonne	1,645	44.7	1,243	33.7	795	21.6	3,683
Vendée	20,522	35.7	29,513	51.4	7,410	12.9	57,445
Vienne	2,797	42.1	2,766	41.6	1,086	16.3	6,649
Haute Vienne	2,128	42.9	1,867	37.6	969	19.5	4,964
Vosges	16,079	39.2	19,765	48.2	5,151	12.6	40,995
Yonne	3,605	40.2	3,898	43.4	1,473	16.4	8,976
Territoire de Belfort	1,562	41.3	1,623	42.9	594	15.7	3,779
Val d'Oise	81	45.5	76	42.7	21	11.8	178
Réunion	1,047	40.4	983	37.9	562	21.7	2,592
France	880,691	37.7	1,157,267	49.6	296,933	12.7	2,334,891

¹Only the local areas which count up more than 40 results are listed here.



Milk recording results - Sheep France – Year 2019

Source of pictures:

*OS Lacaune
OS brebis Corse
OS ROLP
GIS iD64*

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Introduction

The research and development process in genetic improvement of dairy sheep successively dealt with productivity of ewes and herds (during the 70s and 80s), chemical milk composition and its suitability for cheese production (during the 80s and 90s), finally functional abilities such as resistance to subclinical mastitis and udder morphology (2000 decade). These functional characteristics enable the animals' functional longevity to be improved. This improvement matches with their ability to postpone their culling for other reasons than those linked with their milk yield level. In other words, functional longevity contributes to have flocks with a better cost-effectiveness, not by increasing takings, but by decreasing production costs through reduced early culling. Genomics has been fully involved during these last years in dairy sheep breeding schemes with, on one hand, the selection for resistance to scrapie thanks to the genetic typing of the PrP gene widely implemented right at the beginning of the 2000s, on the other hand genomic breeding prospects which are subject to Roquefort[®] in (Lacaune breed) and Genomia (Pyrenean dairy sheep breeds – Manech and Basco-Béarnaise) programmes. Since 2015 (choice of young rams at the end of 2014), Lacaune breed implemented a genomic selection with a new scheme design.

The genetic improvement of dairy sheep within the three French traditional breeding areas (“Rayon” de Roquefort, Pyrénées-Atlantiques, Corse) is based on the breeding of local breeds within their own production area and systems. This principle is strengthened by the French AOC label (which guarantees the origin of a product) of each area. This label requires the local breed as the genetic material to be used for the cheese production of Roquefort (Lacaune breed), of Issau-Iraty (Basco-Béarnaise and Manech breeds) and Brucciu (Corse breed). The implementation of dairy sheep breeding programmes is based on milk recording and progeny testing of animal insemination rams. It has systematically been well-reasoned in order to increase its efficiency-cost ratio

Pyramidal structure of the population

Breeds' population is organized on the basis of a pyramidal structure made up of breeders, creators of the genetic gain and farmers using genetic gain, in order to select the local breeds in population-wide terms. Selection tools are gathered in flocks of breeders who are registered at the official milk recording organizations. These tools include qualitative recording and breeding animals' qualification with possibly udder scoring. Breeding flocks serve as a testing medium and provide the breeding centers with young rams. Testing has been developed in order to maximize breeding schemes. The effort required for its implementation is considerable as (depending on the breeds) 50 to 60 % of the inseminated ewes within a flock under breeding are inseminated with tested rams. Breeders receive as compensation inseminations with the elite rams, i.e. the sires of the breed's rams. If they wish it, the breeders who use the genetic gain may receive a simplified milk recording. Its objective is firstly to get a within-flock ranking of the ewes, but also the technical monitoring of the dairy flock.

Rationalization and optimization over the time

Breeding objectives have been planned gradually. Official milk recording implemented in the 60s was at the beginning only a quantitative control (milk yield) due to the industry needs of milk on one hand, and because of the low initial productivity of the French local breeds on the other hand. The first objective was clearly to increase ewes' productivity. The breeding criteria taken in consideration was the milk yield during the milking period which steps up fat and protein contents quantities, and thereby cheese quantities.

Such an objective may be accepted during the start-up period of the breeding scheme. However, when this objective is fully operational and becomes completely effective (in the 80s for the Lacaune breed, in the 90s – 2000s for the Pyrenean breeds), the milk quality (fat and protein contents) deteriorates on a genetic level speaking. Thus, it is becoming essential to be interested in the chemical quality of the milk also in order to know about cheese yield and the fat/dry ratio of cheese in the framework of AOC cheese produced with raw milk and whole milk. That's why a qualitative recording was to be performed, although it is difficult and expensive to implement in dairy sheep because of the flocks' size and the rapid mechanical milking routines.

Finally, when the context of the industry was such as productivity was no longer directly looked for, breeders became then interested in functional characteristics which are going to enable to decrease production costs and to improve work conditions, especially milking conditions which represent the first work station of dairy ewes' breeding.

Today, farmers and stakeholders of selection schemes raise the question of hardiness and plasticity and evoke the wish to work on resistance to gastro intestinal parasitism, dairy persistency, ability to one-milking per day, feed efficiency, but also the ability to transhumance and at the valorization of rangelands.



Milk recording simplification

The official AC design (monthly recording of one of the two daily milkings, whatever the milking) has been widespread. The qualitative recording has been even more simplified. Only a part of the ewes is recorded: the primiparous (Pyrenean breeds) or the first two lactations (Lacaune breed). Only the middle of the lactation is controlled, because it is the most representative period from a genetic point of view. Thus, the objective is to carry out three samples at the first four test-days of the ewe during the morning milking. The morning milking enables a better milk sampling, especially of the fat content and somatic cells. The partial recording as described here above enables to save about 85% of the samplings and analyses in order to get an efficiency a bit lower (the loss of precision may easily be compensated for rams by increasing the testing daughters' number by about 10%), compared to the exhaustive A4 recording method (on a monthly rhythm for the two daily milkings and for all the ewes on milking). This process is also systematically used for functional characteristics.

Table 1 : Evolution of the main criteria related to breeding schemes for the 3 French breeding areas

		Official milk recording (OMR)			Simplified milk recording (SMR)	
		Number of recorded ewes (% of the OMR population)	AI rate in the nucleus	Number of progeny-tested rams	Milk yield in liters (lactation duration)	Number of recorded ewes
1985	Rayon	113 519 (17%)	70%	430	186 (162)	311 000
	Pyrénées	38 026 (12%)	30%	52	92 (127)	13 000
	Corse	7 300 (7%)			88 (151)	
2005	Rayon	176 936 (21%)	81%	477	277 (163)	585 000
	Pyrénées	108 836 (23%)	55%	200	158 (146)	32 000
	Corse	20 408 (20%)	39%	40	124 (181)	
2019	Rayon	188 696 (19%)	86%	277	330 (173)	511 667
	Pyrénées	120 492 (28%)	49%	247	234 (159)	45 845
	Corse	20 206 (24%)	37%	22	148 (186)	14 944



Data processing

Annual results of the sheep official milk recording are calculated from an extract of the French national dairy sheep database used for indexing and research, which is part of the SIEOL Information System. This extract was performed at the end of the dairy sheep year in December 2019. Thus, these results concern the year 2019. Regarding the seasonality of the dairy sheep production in France, all lactations are considered as finished and qualified if they are calculated.

The results are presented by breeding area, French local administrative area (=French “département”), Milk Recording Organization (MRO), Performance Testing organization and by breed. Here are the definitions of these terms:

Breeding areas: 1 = 'Rayon de Roquefort' ; 2 = 'Corse' ; 3 = 'Pyrénées-Atlantiques'.

French local administrative areas: 11, 12, 2A, 2B, 30, 34, 48, 64, 65, 81, 82.

Milk Recording Organizations (=MRO): 'CDEO', 'Confédération Générale de Roquefort', 'EDE 48', 'EDE 81', 'EDE 82', 'SCP 30-34', 'SUAE Corse du Sud', 'SUAE Haute-Corse', 'UNOTEC 12'.

Recognized Performance Recording Organizations (=RPRO): 'CDEO', 'OS Lacaune', 'EDE 82', 'SUAE Corse du Sud', 'SUAE Haute-Corse'.

Breeds: 'Lacaune', 'Manech tête rousse', 'Manech tête noire', 'Basco-Béarnaise', 'Corse'. Other breeds representing less than 50 ewes nationwide are not taken into account in these results.

NB : In paragraphs 2.2 to 2.6, maps only show French local administrative areas where at least 10 lactations haven been calculated for the corresponding breed.

Warning:

Results between breeds or populations (Basco-Béarnaise, Corse, Lacaune, Manech Tête Rousse, Manech Tête Noire) should not be compared, mainly for two reasons:

- Each breed is represented only in one breeding area. Therefore, genetic type and dominant farming system(s) of each French administrative region are closely linked.
- The calculation of milk yield at milking period varies from one region to another (and for breeds accordingly), in relation with the average suckling length, depending on the farming system:
 - 25 days in the area of Roquefort,
 - 35 days in the Pyreneans area and in Corsica.

Some definitions :

Total number of ewes: ewes present in the flock at the beginning of the lambing period.

Number of ewes in lactation: ewes for which calculating a lactation has been possible (so this total takes into account ewes that had at least one test-date with non-null milk production record).

Number of ewes that lambed: ewes with a date of lambing, non-pregnant ewes, aborted ewes without milk and not mated ewe in 1st lactation are therefore excluded from this total.

Lambing rate: number of ewes which lambed divided by the total number of ewes (expressed in %).

Lactation rate: number of ewes with calculation of lactation divided by the number of ewes which lambed (expressed in %).

Milk yield: it represents the milk yield at the milking-only period.

This milk yield is calculated only on the period of exclusive milking of the animal after the weaning of the lamb(s), and doesn't take into account the milk yield during the initial period of suckling or suckling x milking. So the **milking duration** matches only to this milking-only period. The milk yield is expressed in liters and the length in days.

The official milk recording is an AC milk recording protocol, i.e. a monthly control of one of the two daily milkings, without any obligation of rotation. However, the recording occurs mainly in the morning because the sampling for the qualitative control is more precise during the morning milking (more milk in the morning).

Results for fat and protein contents are not provided. The sheep qualitative control is indeed a very simplified control (partial qualitative recording). It is based on a sampling performed only at the milking of the morning, on 3 recordings during the middle of the lactation and it concerns only a part of the flock (the primiparous or the first 2 lactations, depending on the breed). The way of recording and calculating the fat and protein contents are relevant for genetics, but are not representative of current economic reality.



Trends for 2019

The total number of ewes present at the lambing period reached 329,394 in 2019, that is quite similar to the previous year (+ 0,1%). At the same time the total number of ewes with lactation calculation decreased slightly at 278,423 (-0,6%). This overall stability occurs after several years of increasing ewes population (more than 22,000 ewes over the previous 3years).

760 flocks are counted up today in Official Milk Recording, which means a decrease of 8 flocks compared to the previous year. Meanwhile, the average size of flock still progressed in 2019 (433 ewes present at the lambing period in average versus 428 ewes in 2018).

In 2019 the average milk yield is stable for the Lacaune breed (+0.1 liter), is decreasing for the Corsican breed (-12,4 liters) and is increasing for the Pyrenean breeds (4.1 to 10 liters). At the national level the milk yield reached 286.3 liters in 169 days in milking-only period (+2.1 liters and + 2 days).

A simplified milk recording, corresponding to the D recording method in the ICAR nomenclature and not presented in this document, exists in addition to the Official Milk Recording AC design. It concerns commercial flocks out of the selection nucleus (while the Official Milk Recording is devoted only to breeders involved in the selection program). 1,289 flocks and 572,456 ewes present at the lambing period were submitted to D recording in 2019.



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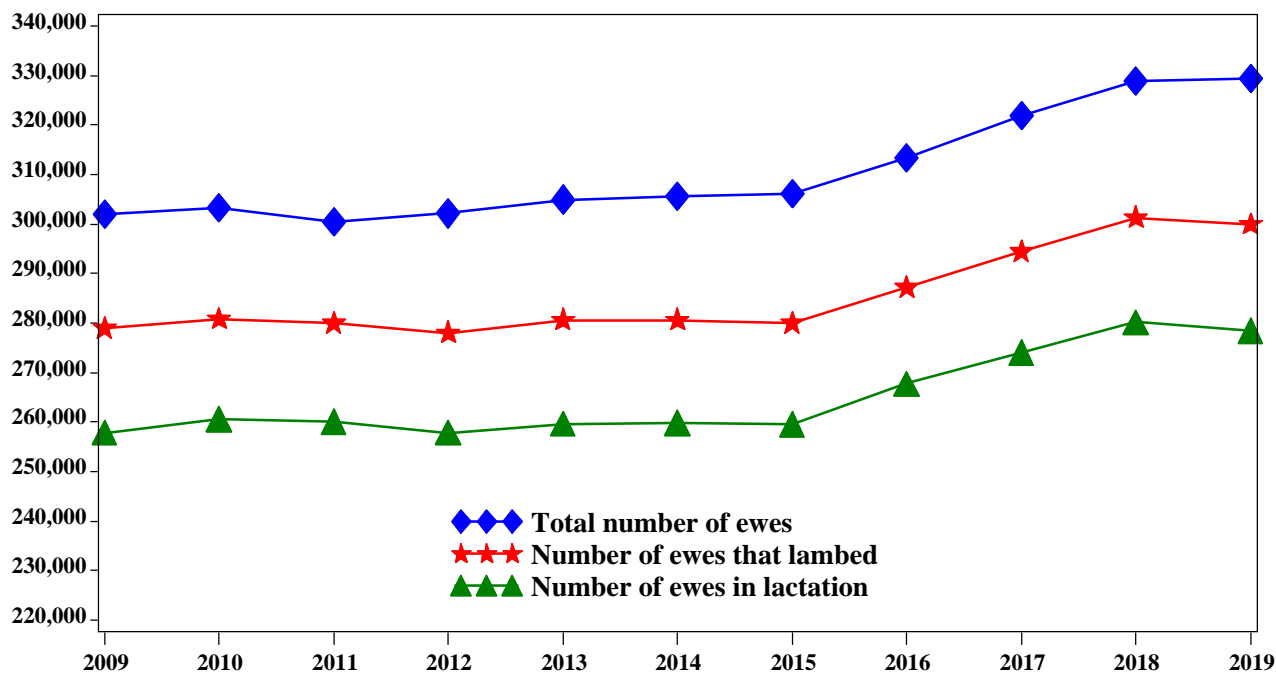
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I - GLOBAL RESULTS

1.1 - Reminder of the previous years

Year	Total number of ewes	Number of ewes that lambed	Lambing rate	Number of ewes in lactation	Lactation rate	Milk yield liters	Lactation duration days
2009	302,057	278,940	92.3	257,798	92.4	228.1	161
2010	303,201	280,796	92.6	260,629	92.8	241.2	161
2011	300,488	279,941	93.2	260,029	92.9	246.8	162
2012	302,102	277,961	92.0	257,826	92.8	250.8	163
2013	304,925	280,581	92.0	259,666	92.5	247.5	164
2014	305,619	280,575	91.8	259,791	92.6	254.2	165
2015	306,047	280,001	91.5	259,589	92.7	256.9	166
2016	313,291	287,171	91.7	267,737	93.2	273.9	166
2017	321,968	294,415	91.4	274,003	93.1	278.6	167
2018	328,980	301,292	91.6	280,117	93.0	284.2	167
2019	329,394	299,938	91.1	278,423	92.8	286.3	169



1.2 - Results of the year

1.2.1 - Distribution by parity

Parity	Total number of ewes	Number of ewes that lambed	Lambing rate	Number of ewes in lactation	Lactation rate	Milk yield liters	Lactation duration days
1st lactation	93,319	75,628	81.0	69,541	92.0	250.5	155
2nd lactation and over	236,075	224,310	95.0	208,882	93.1	298.3	174
Overall total	329,394	299,938	91.0	278,423	92.8	286.3	169

1.2.2 - Number of flocks and average number of ewes per flock

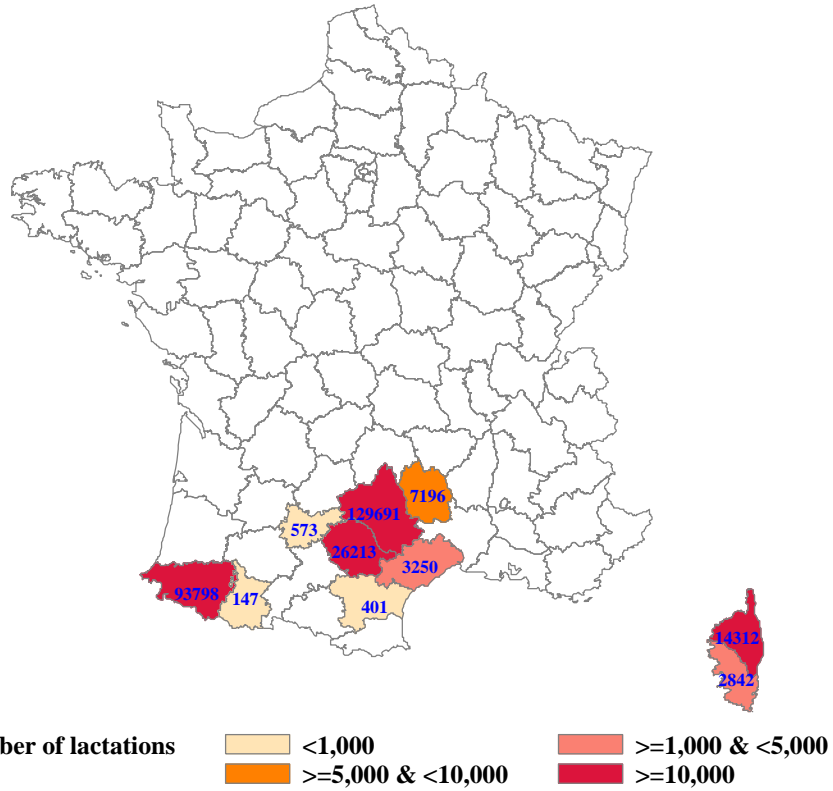
Total number of ewes in lactation	Total number of flocks	Average number of ewes per flock
278,423	760	366.3

1.2.3 - Results per local area

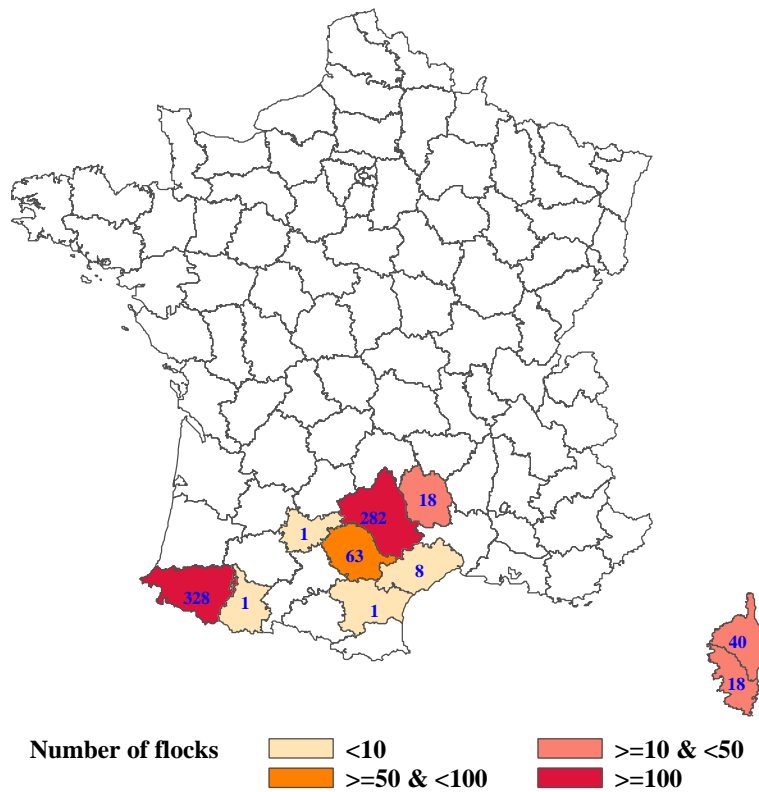
Local area	Number of flocks	Number of ewes in lactation	Milk yield l	Lactation duration d
Aude	1	401	324.6	177
Aveyron	282	129,691	328.1	173
Corse du Sud	18	2,842	155.9	181
Haute Corse	40	14,312	145.9	187
Hérault	8	3,250	328.5	177
Lozère	18	7,196	319.8	174
Pyrénées Atlantiques	328	93,798	234.2	159
Hautes Pyrénées	1	147	117.1	108
Tarn	63	26,213	342.5	177
Tarn & Garonne	1	573	306.2	140
Overall total	760	278,423	286.3	169



Distribution of lactations per local area (= French « département »)



Distribution of flocks per local area



1.2.4 - Results per breeding area and parity

Breeding area ¹	Parity	Number of ewes in lactation	Milk yield liters	Lactation duration days
01	1st lactation	44,853	277.5	159
	2nd lactation	37,155	349.5	179
	3rd lactation	28,577	369.0	183
	4th lactation	21,845	360.6	181
	5th lactation	15,769	345.5	177
	6th lactation	10,022	326.1	174
	7th lactation and over	8,709	290.6	165
	Unknown	321	277.1	160
Total breeding area		167,251	330.0	173
02	1st lactation	3,137	103.7	138
	2nd lactation	3,136	148.8	187
	3rd lactation	2,622	168.8	203
	4th lactation	2,231	171.0	206
	5th lactation	1,775	165.5	203
	6th lactation	1,303	161.1	203
	7th lactation and over	1,858	142.3	193
	Unknown	1,092	134.4	185
Total breeding area		17,154	147.5	186
03	1st lactation	21,551	215.9	149
	2nd lactation	19,347	246.2	159
	3rd lactation	15,952	255.0	165
	4th lactation	12,634	250.7	167
	5th lactation	9,371	238.0	164
	6th lactation	6,587	223.1	159
	7th lactation and over	6,820	198.2	152
	Unknown	1,756	173.3	144
Total breeding area		94,018	234.1	159
Overall total		278,423	286.3	169

¹Refer to the Introduction paragraph for details.



1.2.5 - Results per breeding area, parity and month of lambing

Breeding area	Parity	Month of lambing	Number of ewes in lactation	Milk yield liters	Lactation duration days
01	1st lactation	January	8,446	262.8	146
		February	6,319	241.3	139
		March	2,150	208.1	118
		April	457	144.9	84
		May	188	236.0	121
		June	41	250.2	133
		July	91	302.4	201
		August	1,058	340.9	197
		September	1,766	333.3	190
		October	6,626	318.7	184
		November	10,752	292.7	170
		December	6,959	272.4	154
	2nd lactation and over	January	17,643	339.7	169
		February	7,715	306.2	146
		March	2,693	259.5	122
		April	932	228.6	111
		May	311	260.3	115
		June	230	333.5	198
		July	873	366.8	190
		August	4,838	372.4	198
		September	9,114	362.5	192
		October	35,741	363.2	190
		November	30,416	355.9	183
		December	11,892	343.7	171
Total breeding area			167,251	330.0	173
02	1st lactation	January	991	96.9	122
		February	566	76.3	94
		March	149	50.9	69
		April	33	29.4	42
		May	1	22.6	29
		June			
		July			
		August			
		September	78	153.2	203
		October	540	140.2	196
		November	328	125.1	180
		December	451	108.0	145
	2nd lactation and over	January	605	118.9	123
		February	423	88.0	94
		March	94	65.9	67
		April	34	26.6	40
		May	1	18.9	17
		June			
		July			
		August	70	145.1	201
		September	4,634	168.4	220
		October	6,257	164.7	205
		November	1,602	143.0	179
		December	297	130.7	148

¹Refer to the Introduction paragraph for details.



1.2.5 - Results per breeding area, parity and month of lambing

Breeding area	Parity	Month of lambing	Number of ewes in lactation	Milk yield liters	Lactation duration days
<i>Total breeding area</i>			17,154	147.5	186
03	1st lactation	January	2,443	199.0	133
		February	2,310	159.6	101
		March	2,658	117.3	74
		April	502	76.6	49
		May	29	45.0	28
		June			
		July	1	275.7	227
		August			
		September	7	239.6	206
		October	2,047	275.5	196
		November	7,073	261.9	183
		December	4,481	229.6	163
	2nd lactation and over	January	3,831	229.1	135
		February	3,409	185.6	101
		March	3,642	138.1	74
		April	783	96.7	52
		May	56	54.9	29
		June	25	335.5	234
		July	2	342.3	225
		August			
		September	35	205.0	191
		October	10,223	256.3	186
		November	37,453	251.9	175
		December	13,008	245.4	159
<i>Total breeding area</i>			94,018	234.1	159
Overall total			278,423	286.3	169

¹Refer to the Introduction paragraph for details.



1.2.6 - Results per breeding area and flock size

Breeding area	Flock size	Number of flocks	Number of ewes in lactation	Milk yield liters	Lactation duration days
01	< 200	5	863	333.9	171
	>=200 & <250	14	3,135	342.9	175
	>=250 & <300	31	8,668	322.0	172
	>=300 & <350	54	17,689	335.1	174
	>=350 & <400	45	16,702	324.4	173
	>=400 & <450	50	21,095	331.0	175
	>=450 & <500	55	25,980	326.8	174
	>=500 & <550	37	19,419	337.1	177
	>=550 & <600	29	16,650	321.4	173
	>= 600	53	37,050	332.5	170
Total breeding area		373	167,251	330.0	173
02	< 200	29	3,803	149.9	180
	>=200 & <250	4	928	136.0	175
	>=250 & <300	4	1,089	152.9	198
	>=300 & <350	5	1,587	136.1	194
	>=350 & <400	4	1,499	145.1	190
	>=400 & <450	4	1,722	148.5	178
	>=450 & <500	1	455	175.5	201
	>=500 & <550	1	513	138.9	186
	>=550 & <600	1	572	148.3	199
	>= 600	5	4,986	149.0	188
Total breeding area		58	17,154	147.5	186
03	< 200	72	12,024	199.1	151
	>=200 & <250	63	14,193	222.3	158
	>=250 & <300	79	21,923	231.6	159
	>=300 & <350	47	15,124	246.4	163
	>=350 & <400	28	10,351	241.8	161
	>=400 & <450	11	4,666	227.9	154
	>=450 & <500	13	6,155	263.7	161
	>=500 & <550	8	4,170	251.2	158
	>=550 & <600	1	560	293.9	166
	>= 600	8	4,852	258.1	160
Total breeding area		330	94,018	234.1	159
Overall total		761	278,423	286.3	169

¹Refer to the Introduction paragraph for details.



1.2.7 - Results per milk recording organization (MRO)

MRO	Number of flocks	Number of ewes in lactation	Milk yield <i>liters</i>	Lactation duration <i>days</i>
CDEO	329	93,945	234.0	159
Confédération Générale de Roquefort	184	82,586	325.1	173
EDE 48	10	4,579	314.4	169
EDE 81	27	11,290	350.6	179
EDE 82	1	573	306.2	140
SUAE CORSE DU SUD	18	2,842	155.9	181
SUAE HAUTE-CORSE	40	14,312	145.9	187
UNOTEC 12	151	68,296	333.7	173
Overall total	760	278,423	286.3	169

¹Refer to the Introduction paragraph for details.



1.2.8 - Results per milk recording organization (MRO) and local area

MRO	Local area	Number of flocks	Number of ewes in lactation	Milk yield liters	Lactation duration days
CDEO	Pyrénées Atlantiques	328	93,798	234.2	159
	Hautes Pyrénées	1	147	117.1	108
Total MRO		329	93,945	234.0	159
Confédération Générale de Roquefort	Aude	1	401	324.6	177
	Aveyron	136	62,938	322.4	172
	Hérault	3	1,707	317.8	187
	Lozère	8	2,617	329.3	182
	Tarn	36	14,923	336.4	175
Total MRO		184	82,586	325.1	173
EDE 48	Lozère	10	4,579	314.4	169
Total MRO		10	4,579	314.4	169
EDE 81	Tarn	27	11,290	350.6	179
Total MRO		27	11,290	350.6	179
EDE 82	Tarn & Garonne	1	573	306.2	140
Total MRO		1	573	306.2	140
SUAE CORSE DU SUD	Corse du Sud	18	2,842	155.9	181
Total MRO		18	2,842	155.9	181
SUAE HAUTE-CORSE	Haute Corse	40	14,312	145.9	187
Total MRO		40	14,312	145.9	187
UNOTEC 12	Aveyron	146	66,753	333.5	173
	Hérault	5	1,543	340.3	167
Total MRO		151	68,296	333.7	173
Overall total		760	278,423	286.3	169

¹Refer to the Introduction paragraph for details.



1.2.9 - Results per recognized performance recording organization (RPRO)

RPRO	Number of flocks	Number of ewes in lactation	Milk yield <i>liters</i>	Lactation duration <i>days</i>
CDEO	329	93,945	234.0	159
EDE 82	1	573	306.2	140
OS Lacaune	372	166,751	330.0	173
SUAE CORSE DU SUD	18	2,842	155.9	181
SUAE HAUTE-CORSE	40	14,312	145.9	187
Overall total	760	278,423	286.3	169

1.2.10 - Results per recognized performance recording organization (RPRO) and local area

RPRO	Local area	Number of flocks	Number of ewes in lactation	Milk yield <i>liters</i>	Lactation duration <i>days</i>
CDEO	Pyrénées Atlantiques	328	93,798	234.2	159
	Hautes Pyrénées	1	147	117.1	108
<i>Total RPRO</i>		<i>329</i>	<i>93,945</i>	<i>234.0</i>	<i>159</i>
EDE 82	Tarn & Garonne	1	573	306.2	140
<i>Total RPRO</i>		<i>1</i>	<i>573</i>	<i>306.2</i>	<i>140</i>
OS Lacaune	Aude	1	401	324.6	177
	Aveyron	282	129,691	328.1	173
	Hérault	8	3,250	328.5	177
	Lozère	18	7,196	319.8	174
	Tarn	63	26,213	342.5	177
<i>Total RPRO</i>		<i>372</i>	<i>166,751</i>	<i>330.0</i>	<i>173</i>
SUAE CORSE DU SUD	Corse du Sud	18	2,842	155.9	181
<i>Total RPRO</i>		<i>18</i>	<i>2,842</i>	<i>155.9</i>	<i>181</i>
SUAE HAUTE-CORSE	Haute Corse	40	14,312	145.9	187
<i>Total RPRO</i>		<i>40</i>	<i>14,312</i>	<i>145.9</i>	<i>187</i>
Overall total		760	278,423	286.3	169

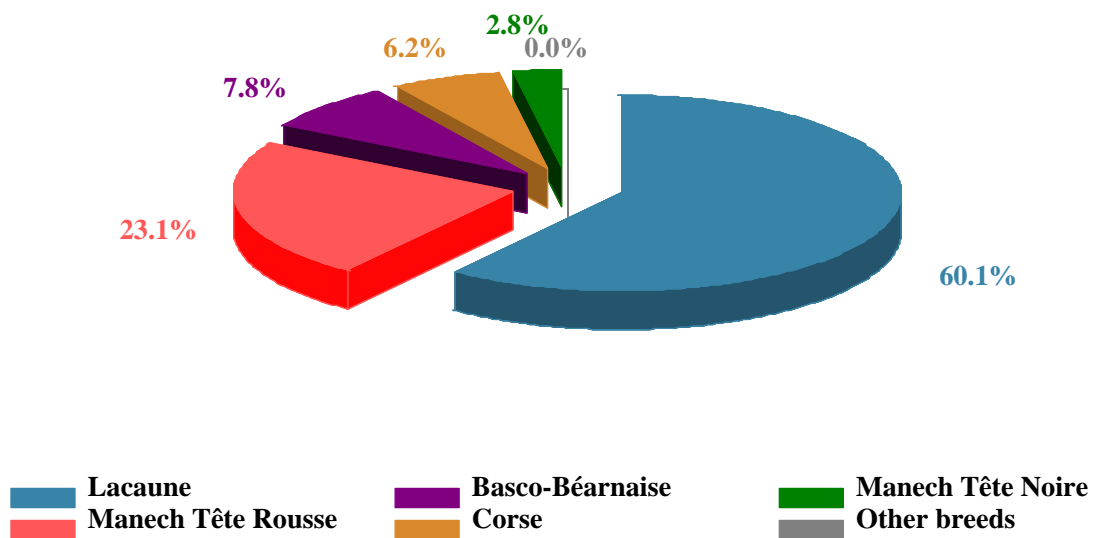
¹Refer to the Introduction paragraph for details.



II - RESULTS PER BREED

2.1 - Results for all breeds

Breed	Number of flocks	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
Lacaune	374	167,323	330.0	101.9	173	40
Manech Tête Rousse	239	64,406	246.5	94.1	162	48
Basco-Béarnaise	91	21,792	218.2	83.7	151	48
Corse	58	17,154	147.5	63.0	186	57
Manech Tête Noire	69	7,706	175.1	70.4	151	45
Other breeds	27	42	150.8	105.8	110	59



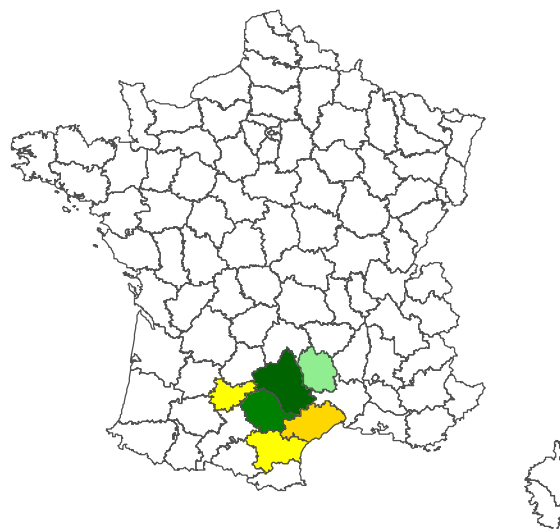
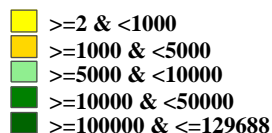
¹Refer to the Introduction paragraph for details.



2.2 - Breed LACAUNE

(French breed code: 010)

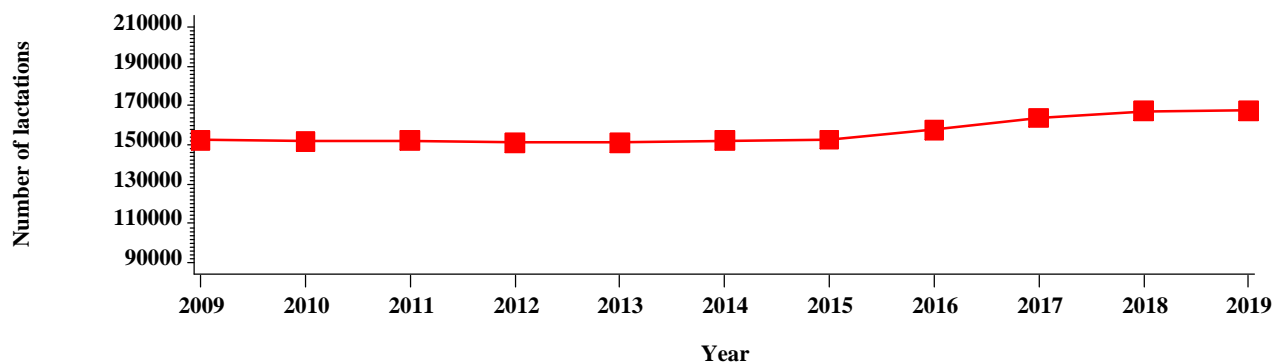
Geographical distribution of ewes with lactations of Lacaune breed



Distribution by parity for Lacaune breed

Parity	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
1st lactation	44,857	277.4	88.0	158.6	40
2nd lactation	37,169	349.5	97.3	179.2	40
3rd lactation	28,590	369.0	97.0	182.8	36
4th lactation	21,864	360.6	97.7	181.0	37
5th lactation	15,773	345.5	99.1	177.5	39
6th lactation	10,027	326.1	98.0	173.7	41
7th lactation and over	8,719	290.6	97.9	165.0	44
Unknown	324	276.3	108.4	159.0	51
Overall total	167,323	330.0	101.9	173.3	40

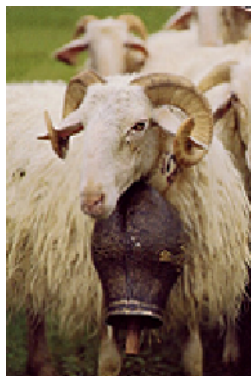
Evolution of the number of lactations for Lacaune breed



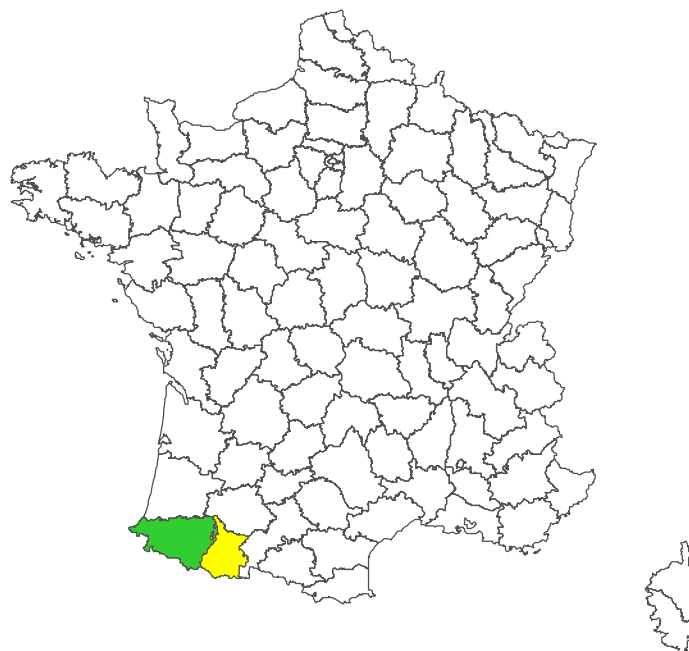
2.3 - Breed BASCO BEARNAISE

(French breed code: 030)

Geographical distribution of ewes with lactations of Basco Bearnaise breed



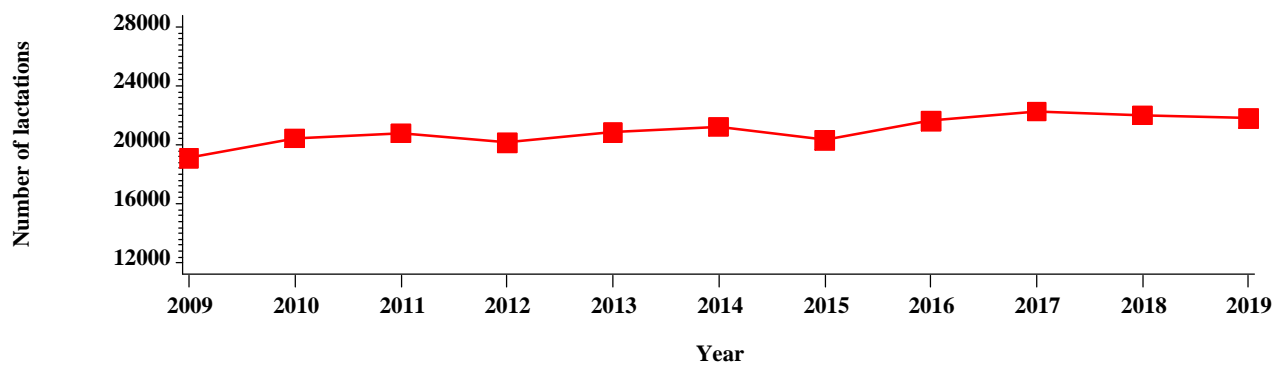
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Distribution by parity for Basco Bearnaise breed

Parity	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
1st lactation	4,735	173.0	71.0	119.8	49
2nd lactation	4,421	222.7	77.1	148.7	47
3rd lactation	3,664	241.7	81.3	161.1	44
4th lactation	2,829	248.0	83.9	166.2	41
5th lactation	2,185	238.9	83.3	166.2	41
6th lactation	1,672	229.3	83.7	163.4	42
7th lactation and over	1,743	207.0	82.6	158.5	44
Unknown	543	181.8	77.3	152.3	51
Overall total	21,792	218.2	83.7	150.5	48

Evolution of the number of lactations for Basco Bearnaise breed



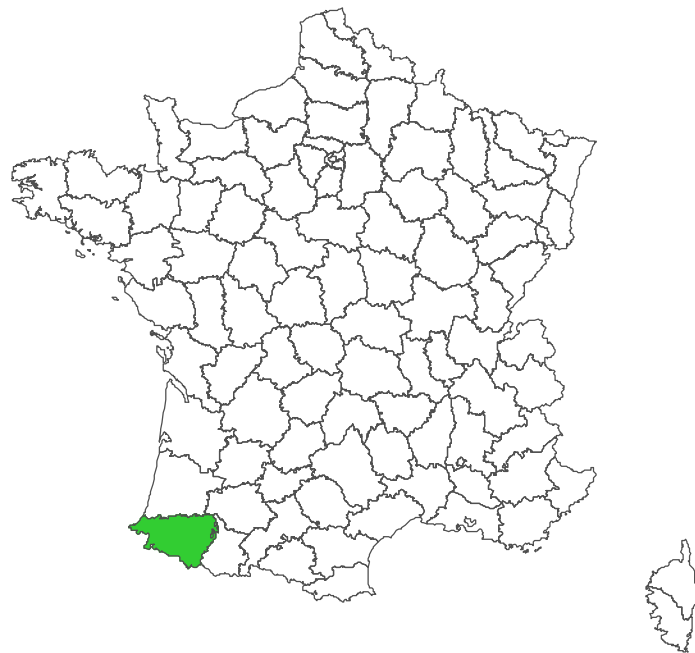
2.4 - Breed MANECH TETE NOIRE

(French breed code: 052)

Geographical distribution of ewes with lactations of Manech Tete Noire breed



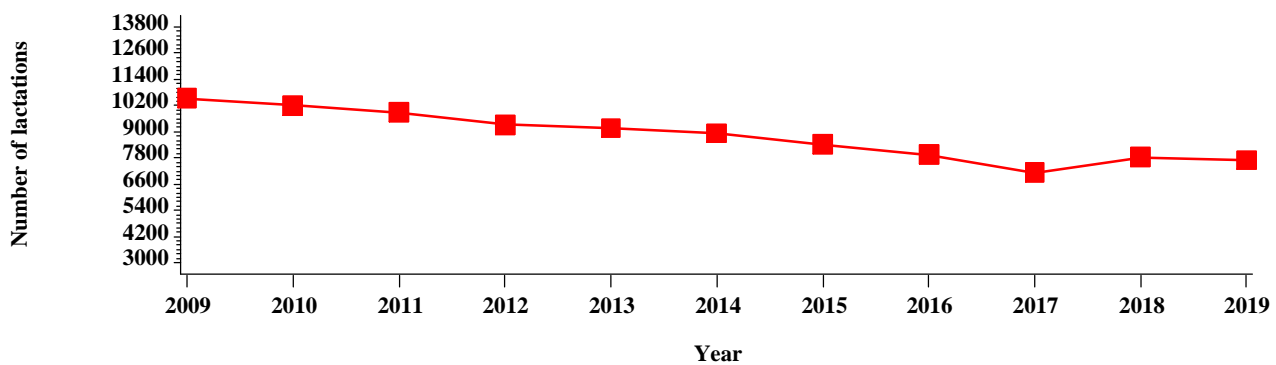
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Distribution by parity for Manech Tete Noire breed

Parity	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
1st lactation	1,605	167.1	66.7	149.8	48
2nd lactation	1,449	188.9	70.8	153.8	45
3rd lactation	1,223	191.1	71.0	156.4	42
4th lactation	999	186.1	72.6	154.6	44
5th lactation	706	176.6	67.4	151.5	43
6th lactation	503	163.4	63.5	147.5	45
7th lactation and over	591	143.0	66.1	138.3	46
Unknown	630	153.0	66.7	142.1	47
Overall total	7,706	175.1	70.4	150.7	45

Evolution of the number of lactations for Manech Tete Noire breed



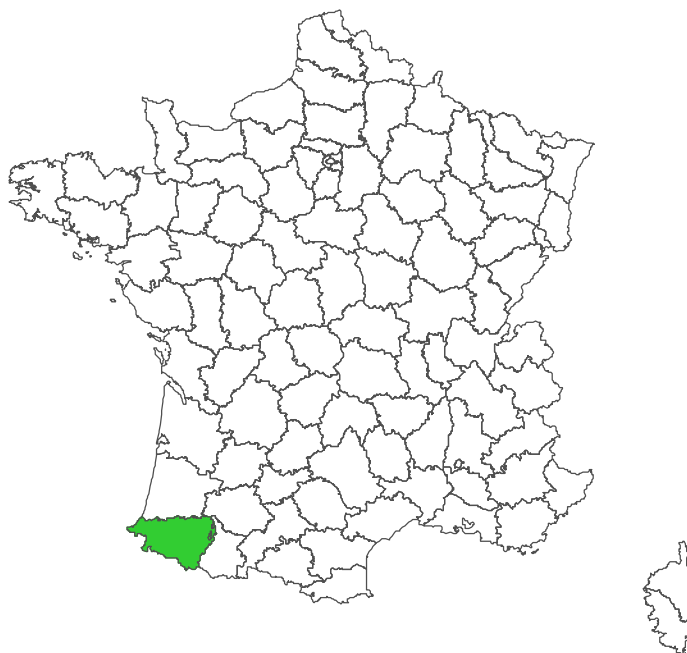
2.5 - Breed MANECH TETE ROUSSE

(French breed code: 053)

Geographical distribution of ewes with lactations of Manech Tete Rousse breed



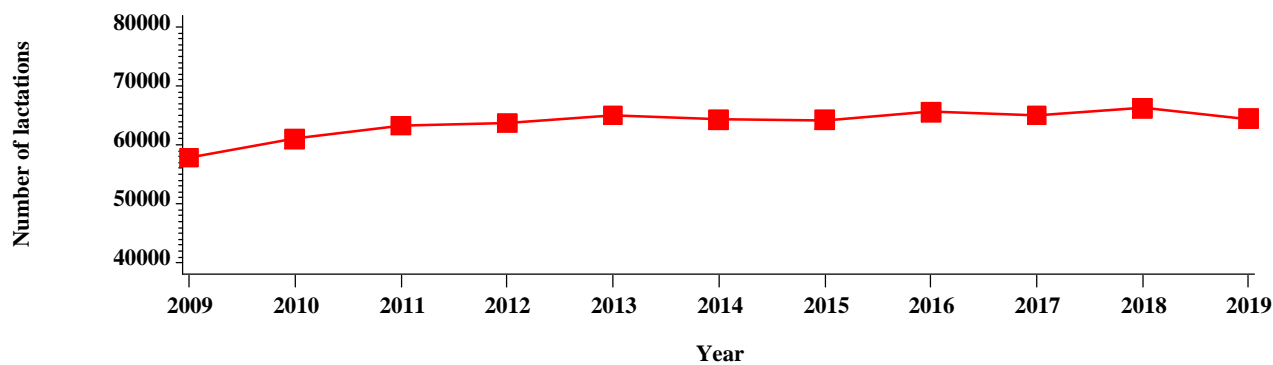
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Distribution by parity for Manech Tete Rousse breed

Parity	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
1st lactation	15,196	234.6	93.1	158.1	49
2nd lactation	13,450	260.1	93.6	162.6	49
3rd lactation	11,048	266.4	92.7	167.3	47
4th lactation	8,785	258.7	90.7	168.6	46
5th lactation	6,470	244.4	92.6	165.3	47
6th lactation	4,406	227.5	91.3	158.9	49
7th lactation and over	4,475	201.8	87.6	151.7	50
Unknown	576	187.9	85.7	139.1	51
Overall total	64,406	246.5	94.1	162.2	48

Evolution of the number of lactations for Manech Tete Rousse breed



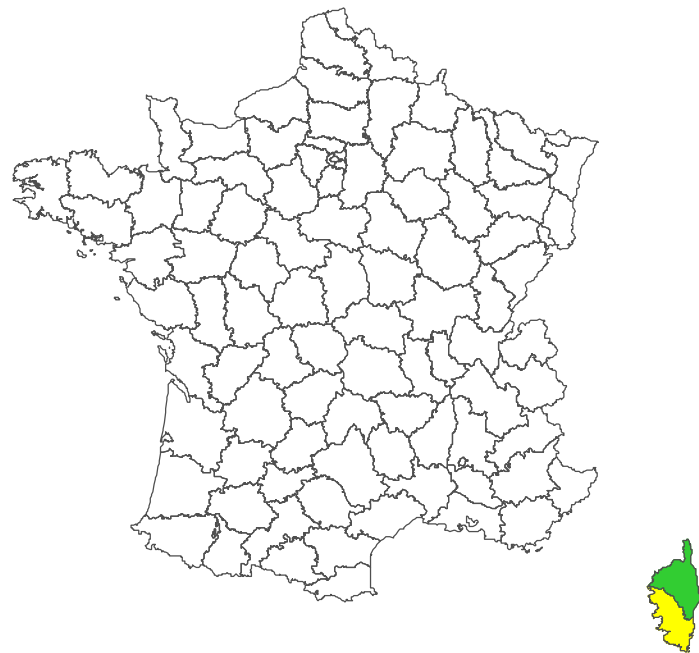
2.6 - Breed CORSE

(French breed code: 046)

Geographical distribution of ewes with lactations of Corse breed



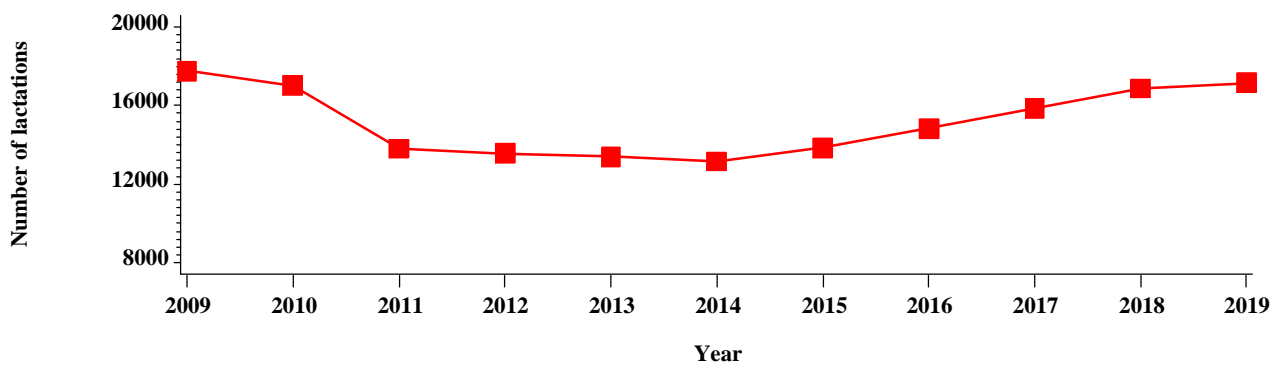
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Distribution by parity for Corse breed

Parity	Number of ewes in lactation	Milk yield <i>liters</i>	Milk yield standard deviation <i>liters</i>	Lactation duration <i>days</i>	Lactation duration standard deviation <i>days</i>
1st lactation	3,137	103.7	45.7	137.7	49
2nd lactation	3,136	148.8	58.4	186.6	56
3rd lactation	2,622	168.8	60.0	203.3	50
4th lactation	2,231	171.0	61.1	206.5	47
5th lactation	1,775	165.5	62.9	203.3	51
6th lactation	1,303	161.1	63.7	203.4	50
7th lactation and over	1,858	142.3	60.9	192.6	55
Unknown	1,092	134.4	62.5	184.6	62
Overall total	17,154	147.5	63.0	186.3	57

Evolution of the number of lactations for Corse breed



Milk recording results - Goats France – Year 2019

*Source of pictures:
Institut de l'Elevage
CAPGENES
ADDCP
Association La chèvre de race Pyrénéenne
Damien Hardy - la Chèvre*

*NB: the copy of the information contained in this document is allowed if and only if
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Data processing

The French Livestock Institute calculated and processed goat milk recording annual results from data extracted from the goat national database (extraction performed on 2 March 2020).

In paragraph 1.1.1, the number of « active » goats refers to goats that belong to a herd with active MR contract and for which at least one milk record has been registered throughout the year.

In paragraph 1.1.2, the number of « active » herds refers to herds with at least one active goat taken into account over the year 2019.

One lactation per « active » goat, the last terminated one, is taken into account in the process (under condition of kidding date after January 1st, 2016). Because of the application of these conditions, the results presented in this report do not include lactations which are still on-going in 2019, and possibly or eventually terminated after 31DEC2019
These selected lactations can be qualified or not.

Non-qualified lactations are taken into account only for calculation of the number of terminated lactations (see paragraph 1.2 and column « Terminated lactations » of table 1.4).

Calculated results (from the paragraph 1.3) refer only to **qualified lactations**.

The distribution of these lactations per year of kidding and of drying off is presented in the table 1.3.1.

In table 3.1.3, average age at 1st kidding is calculated for a breed only when the total of lactations exceeds 40 at national level.

In table 5.3, the milk recording protocol applied for a given lactation is in accordance with the current French guidelines for goat milk recording the day of kidding.

Herds taken into account are those for which lactation results are available, in accordance with the rules previously given.

Evolutions brought to the statistical results

The publication of the 2019 statistics presents the peculiarity of being in a pivotal period of evolution of the milk recording rules.

For this reason they take into account lactations qualified according to different rules depending on their start date. Lactations started before August 1st, 2016 are qualified according to the old rules whereas those started after this date are qualified according to the new rules. Evolutions concern both an increase in the number of milk recording methods and an evolution of the no-qualification causes of the lactations.

Data processing has been revised to allow the use of qualified lactations according to the two rules.

For lactation started before August 1st, 2016, the old qualification rules apply with only 4 methods (A, AT, AZ and CZ) and 7 invalidation causes.

For lactations started after August 1st, 2016, the new lactation qualification rules apply with 6 methods (A, AC, AT, AZ, CY and CZ) and 4 invalidation causes.

Whatever the case, the milk recording rules specifies: *“When milk recording protocol changes for a herd, the on-going lactations are calculated and qualified according to the protocol which gives less accurate information.”*

This rule applies according to the following hierarchy A> AZ> CZ> AT for lactations started before August 1st, 2016 and A> AY / CY> AZ / CZ> AC> AT for lactations started after August 1st, 2016.



Trends for 2019

The number of qualified lactations and the number of flocks are decreasing in 2019 to reach 249,579 lactations (-6,516 lactations -2.5%) and 1,492 flocks (-0.7%).

In 2019, the main dairy breeds (Alpine and Saanen) represented 96.7% of the overall total of qualified lactations.

The proportion of primiparous dairy goats is slightly increasing and reaches 33.8% (+0.8) confirming the trend observed the previous year.

With 963 Kg per lactation the milk yield is staying at a comparable level than the one observed in 2018 (-1Kg). This milk yield stability occurs in conjunction with a long lactation duration at 318 days, confirming the increase in lactation duration observed in 2018 that had reached 319 days (312 days in 2017).

Meanwhile true-protein and fat rates are increasing and reaches respectively 33.2 g/Kg (+0.2) and 37.5 g/Kg (+0.4).



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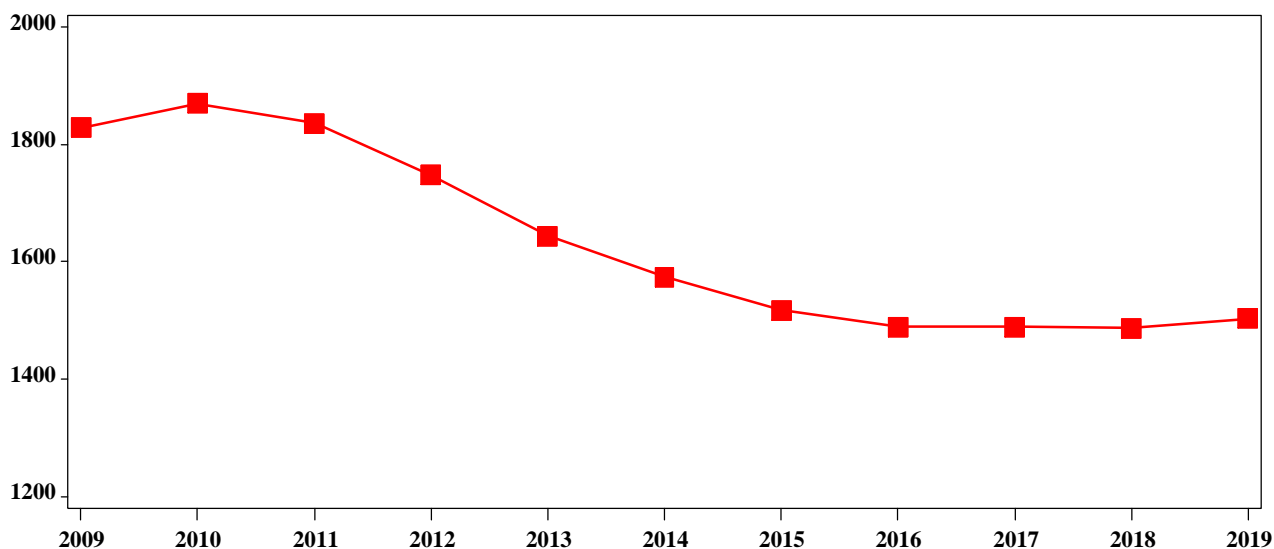


I - NATIONAL RESULTS

1.1 - Overall milk recorded population

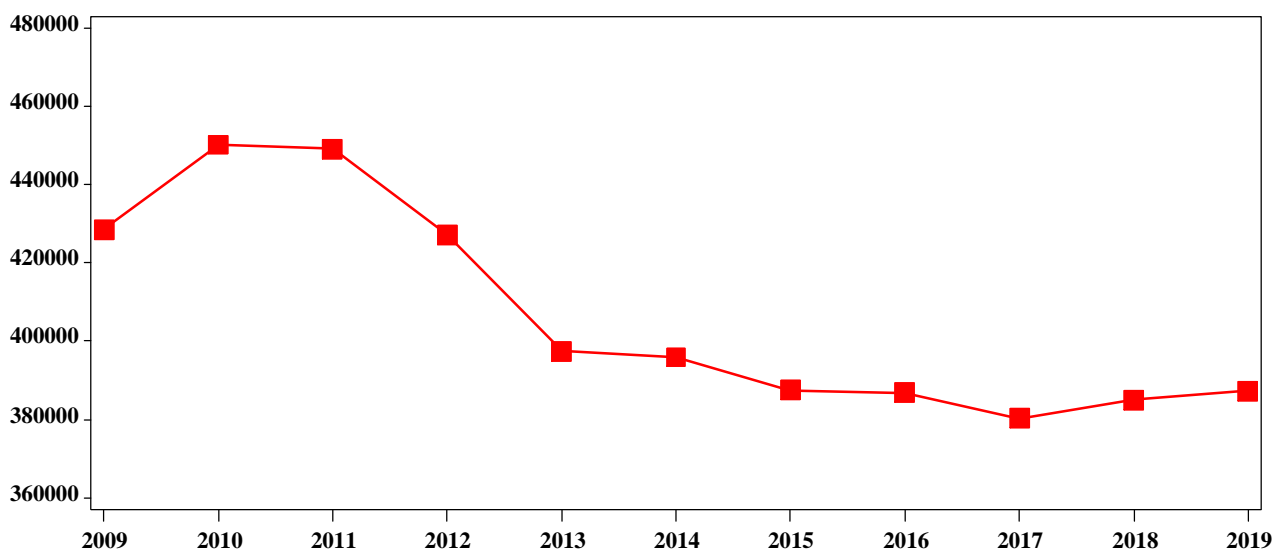
1.1.1 - Total number of active herds in 2019*

1,503 herds



1.1.2 - Total number of active goats in 2019*

387,288 goats



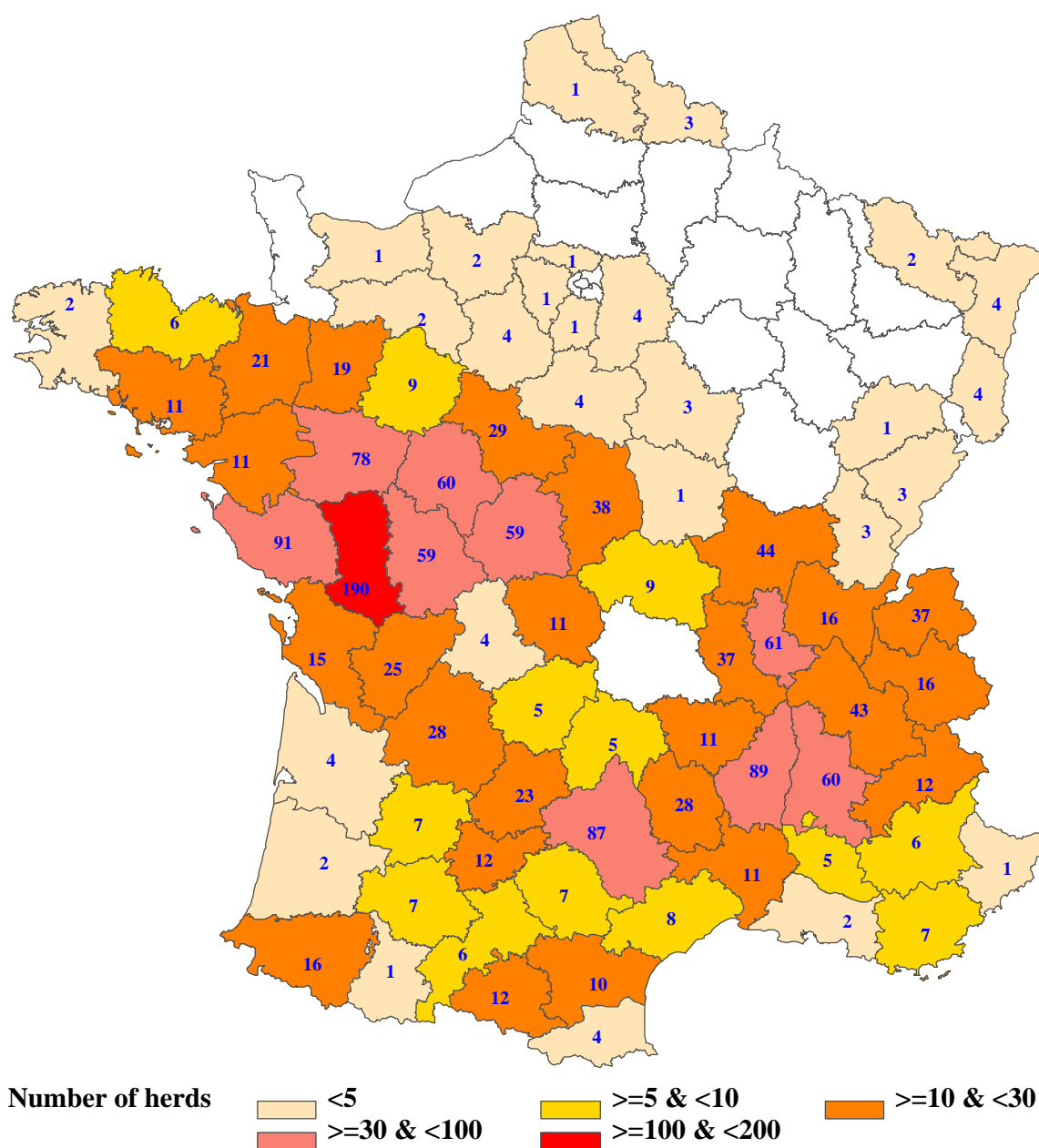
* For information about how the number of « active herds » and « active goats » is calculated, refer to « Data processing » paragraph (cf. page 2).



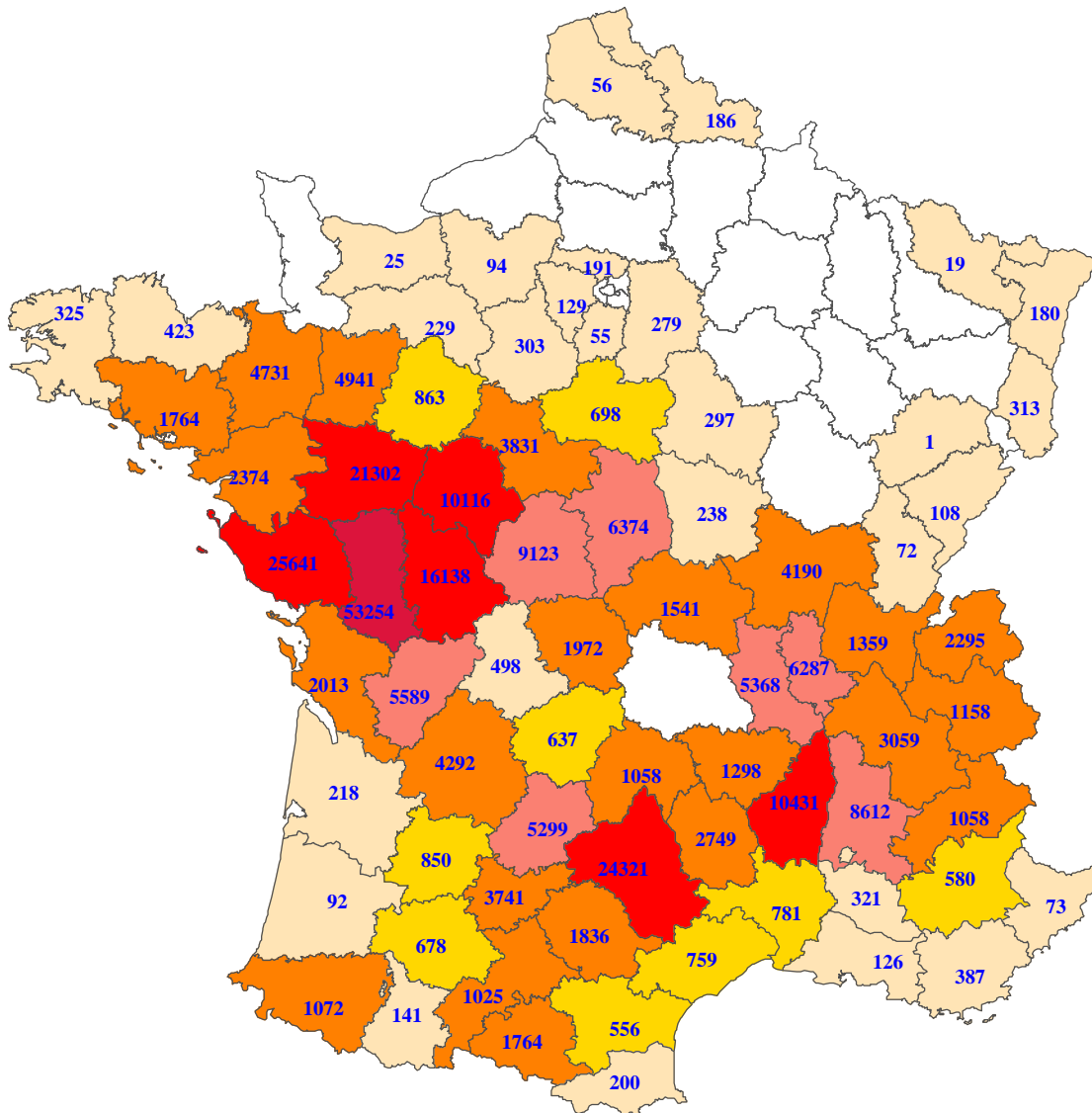
1.2 - Terminated lactations

Total number of herds with terminated lactations	1,522
Total number of terminated lactations	274,956
Average number of terminated lactations per herd	180.7
Total number of herds with qualified lactations	1,492
Total number of herds with qualified lactations	249,579

Distribution of herds (with terminated lactations) per local area (= French « département »)



Distribution of terminated lactations per local area



Number of lactations



1.3 - Qualified Lactations

1.3.1 - Distribution of qualified lactations per year of kidding and of drying off

Year of kidding	Year of drying off								Total	
	2016		2017		2018		2019			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%
2016	1,739	0.7	1,989	0.8	1,760	0.7	962	0.4	6,450	2.6
2017			1,416	0.6	16,561	6.6	6,116	2.5	24,093	9.7
2018					30,993	12.4	80,445	32.2	111,438	44.7
2019							107,598	43.1	107,598	43.1
Total	1,739	0.7	3,405	1.4	49,314	19.8	195,121	78.2	249,579	100

For example: 107,598 qualified lactations (that is to say 43.1 % of the overall total) match the following criteria: a calving date and a drying off date in 2019.

1.3.2 - Results of the campaign

Parity		First lactations	Lactations 2 and over	Overall total
Number of lactations	kg	84,458	165,121	249,579
Lactation duration	days	332	311	318
Milk yield	kg	932	979	963
True protein content	kg	31.1	32.4	32.0
True protein ‰	g/kg	33.4	33.1	33.2
Fat content	kg	36.0	36.2	36.1
Fat ‰	g/kg	38.6	37.0	37.5

1.4 - Reminder of previous campaigns

Year	Terminated lactations	Qualified lactations	Lactation duration days	Milk yield g/kg	True protein content kg	True protein ‰ g/kg	Fat content kg	Fat ‰ g/kg
2012	342,698	299,709	303	946	30.6	32.4	34.7	36.7
2013	316,119	282,516	299	907	29.5	32.6	33.5	36.9
2014	306,246	274,541	298	910	29.8	32.7	33.4	36.7
2015	297,973	262,854	301	925	30.3	32.7	33.9	36.7
2016	298,734	264,040	303	949	31.2	32.9	35.1	37.0
2017	280,306	250,121	312	953	31.4	33.0	35.3	37.0
2018	283,232	256,095	319	964	31.8	33.0	35.8	37.1
2019	274,956	249,579	318	963	32.0	33.2	36.1	37.5



II - RESULTS ACCORDING TO VARIATION FACTORS

2.1 - Results per parity

Parity	Lactations		Lactation duration	Milk yield	True protein ‰	Fat ‰
	<i>Nb</i>	%	<i>days</i>	<i>kg</i>	<i>g/kg</i>	<i>g/kg</i>
1	84,458	33.8	332	932	33.4	38.6
2	65,593	26.3	319	1,014	33.4	37.3
3	43,534	17.4	311	999	33.2	36.9
4	26,751	10.7	306	963	33.0	36.6
5	15,039	6.0	301	921	32.7	36.4
6	7,444	3.0	296	881	32.5	36.3
7	3,657	1.5	295	847	32.3	36.6
8 and over	3,103	1.2	289	751	32.0	36.6
Overall total	249,579	100	318	963	33.2	37.5

2.2 - Results according to the herd size

Herd size	Herds		Lactations		Lactation duration	Milk yield	True protein ‰	Fat ‰
	<i>Nb</i>	%	<i>Nb</i>	%	<i>days</i>	<i>kg</i>	<i>g/kg</i>	<i>g/kg</i>
>=1 & <50	311	20.8	7,828	3.1	293	784	33.3	37.1
>=50 & <99	298	20.0	21,275	8.5	297	803	33.2	37.4
>=100 & <149	212	14.2	26,351	10.6	317	905	33.3	37.8
>=150 & <249	329	22.1	65,325	26.2	317	954	33.3	37.6
>=250 & <499	295	19.8	99,107	39.7	326	1,017	33.2	37.4
>=500 and over	47	3.2	29,693	11.9	320	1,015	33.0	37.5
Total	1,492	100	249,579	100	318	963	33.2	37.5



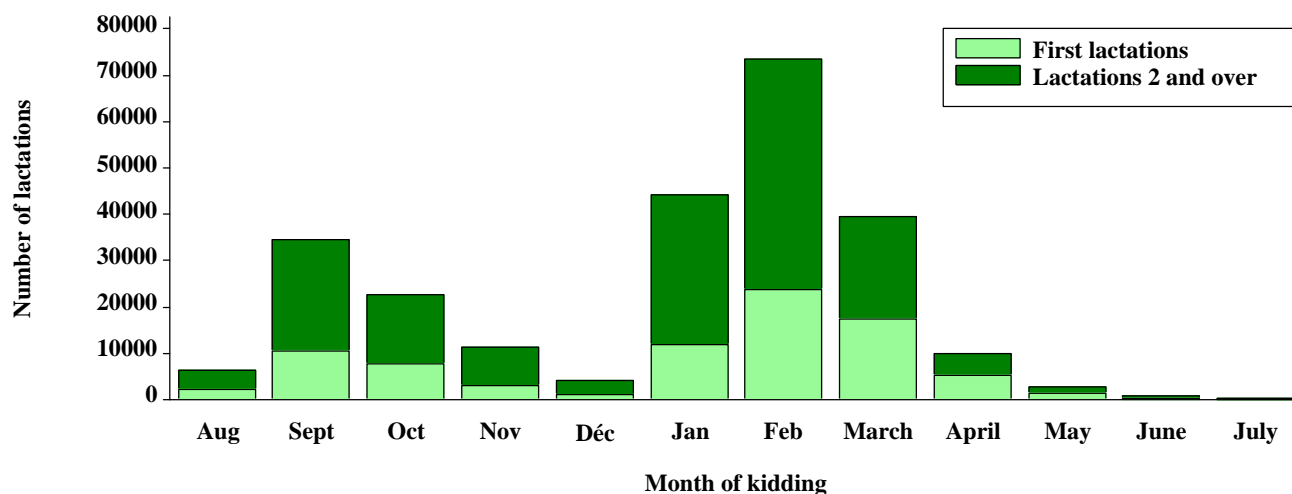
2.3 - Distribution of lactations according to the month of kidding

2.3.1 - First lactations

Month of kidding	Lactations		Lactation duration days	Milk yield kg	True protein content kg	True protein % g/kg	Fat content kg	Fat % g/kg
	Nb	%						
August	2,067	2.4	355	1,058	35.8	33.9	41.3	39.0
September	10,379	12.3	352	1,043	35.4	34.0	41.6	39.9
October	7,828	9.3	342	972	32.8	33.7	38.4	39.5
November	3,112	3.7	351	982	32.9	33.5	38.5	39.2
December	1,094	1.3	328	927	30.9	33.3	35.6	38.4
January	11,987	14.2	335	974	32.2	33.1	37.0	38.0
February	23,841	28.2	330	903	30.0	33.2	34.6	38.3
March	17,299	20.5	323	876	29.1	33.2	33.3	38.0
April	5,131	6.1	306	829	27.6	33.3	31.3	37.7
May	1,324	1.6	312	862	29.1	33.7	32.7	37.9
June	310	0.4	262	740	24.7	33.4	28.7	38.8
July	86	0.1	340	876	29.3	33.4	33.7	38.5
Overall total	84,458	100	332	932	31.1	33.4	36.0	38.6

2.3.2 - Lactations 2 and over

Month of kidding	Lactations		Lactation duration days	Milk yield kg	True protein content kg	True protein % g/kg	Fat content kg	Fat % g/kg
	Nb	%						
August	4,362	2.6	328	1,002	34.0	34.0	37.6	37.5
September	24,055	14.6	317	982	33.4	34.0	37.4	38.1
October	14,806	9.0	315	953	32.3	33.9	36.2	38.0
November	8,136	4.9	312	942	31.5	33.5	35.7	37.9
December	3,082	1.9	311	948	31.7	33.4	35.2	37.1
January	32,158	19.5	319	1,065	35.0	32.8	38.9	36.5
February	49,632	30.1	309	975	31.9	32.7	35.6	36.6
March	22,180	13.4	301	921	30.2	32.8	33.6	36.4
April	4,678	2.8	286	891	29.3	32.9	32.0	35.9
May	1,301	0.8	282	857	28.6	33.3	30.2	35.2
June	537	0.3	281	766	25.3	33.0	28.4	37.2
July	194	0.1	267	864	28.2	32.7	33.1	38.3
Overall total	165,121	100	311	979	32.4	33.1	36.2	37.0

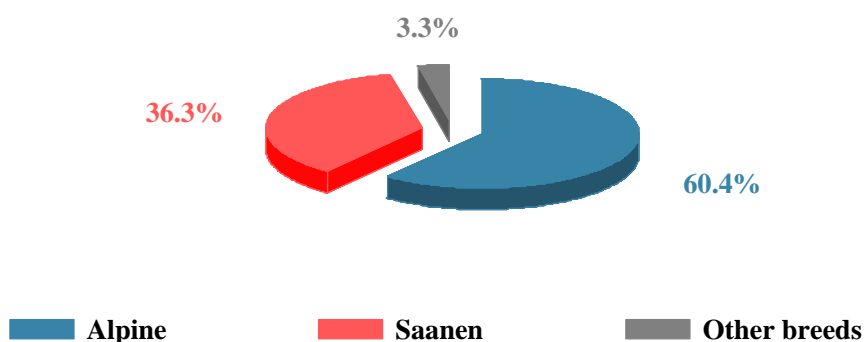


III - RESULTS PER BREED

3.1 - Overall results

3.1.1 - Complete lactations

Breed	Number of lactations	Lactation duration days	Milk yield kg	True protein content kg	True protein % g/kg	Fat content kg	Fat % g/kg	Kidding interval days	Average lactation rank
Alpine	150,758	315	949	31.9	33.6	36.2	38.1	394	2.5
Saanen	90,675	326	999	32.5	32.6	36.4	36.5	409	2.4
Crossbred	7,089	310	871	28.8	33.0	32.7	37.6	401	2.6
Poitevine	515	264	497	15.5	31.2	17.1	34.5	370	3.5
Massif Central	78	276	454	13.8	30.4	17.4	38.2	391	3.2
Other breeds	464	243	495	15.1	30.5	18.4	37.2	390	3.1
Overall total	249,579	318	963	32.0	33.2	36.1	37.5	399	2.5



3.1.2 - Reference lactations

Two scenarios are possible for calculating the reference lactations:

1. 1. The complete lactation exceeds the reference period (example: 250 days for the Alpine breed).
In this case, the results of the reference lactation are calculated by interpolation, using the Fleischmann method.
2. 2. The complete lactation does not exceed the reference period.
In that case, the results of the reference lactation and the complete lactation are identical.

Breed	Number of lactations	Reference duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
Alpine	150,758	250	800	33.1	37.6
Saanen	90,675	250	794	32.1	36.0
Crossbred	7,089	250	715	32.5	37.1
Poitevine	515	230	456	30.7	34.3
Massif Central	78	150	300	29.5	38.4
Other breeds	464	150	324	29.6	36.9
Overall total	249,579		794	32.7	37.0

Note: comparing the results obtained by the different breeds should be avoided as long as a specific reference lactation duration is defined for each breed.



3.1.3 - Average age at 1st kidding

NB: This criterion is calculated only when the date of birth of a goat is known.

Breed	Number of lactations	Average age at 1st kidding <i>days</i>
Alpine	48,711	390
Saanen	29,233	383
Crossbred	2,095	393
Poitevine	102	414
Massif Central	25	NS*
Other breeds	82	407

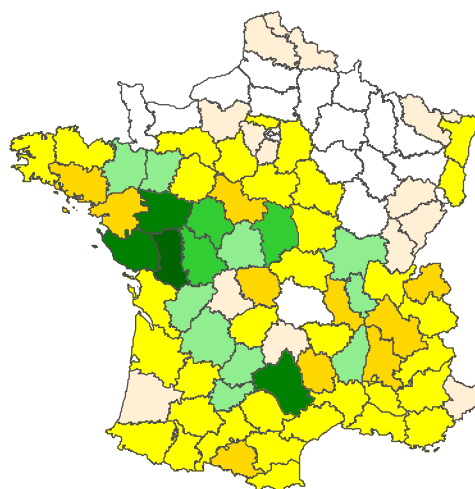
*NS : Not significant (cf. paragraph « Data processing » page 2 for details).



3.2 - Results per breed

Breed ALPINE (French breed code: 13)

Geographical distribution of qualified lactations of Alpine breed

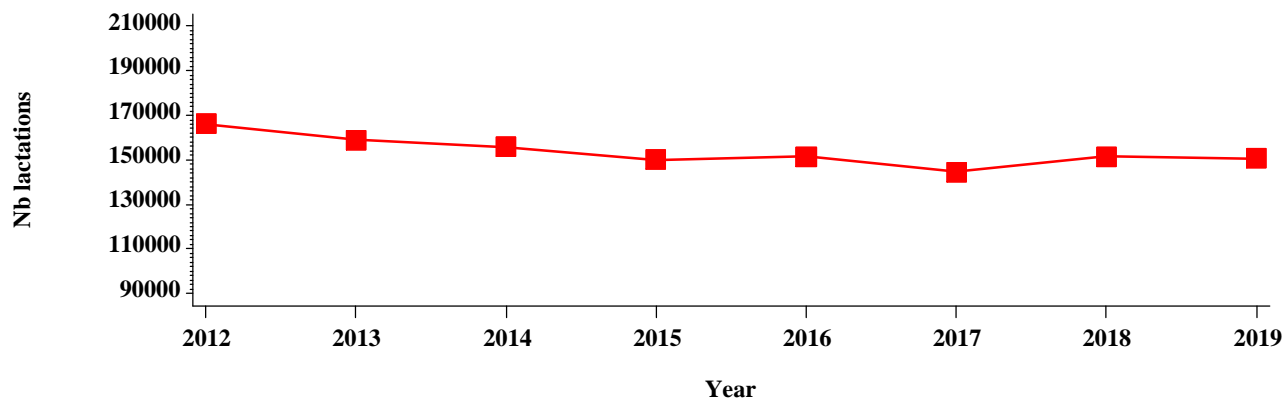


	First lactations	Lactations 2 and over	All lactations	Number of herds for Alpine breed*
Number of lactations	50,902	99,856	150,758	1,159
Lactation duration <i>days</i>	324	310	315	
Milk yield <i>kg</i>	887	980	949	
True protein content <i>kg</i>	30.0	32.9	31.9	
True protein % <i>g/kg</i>	33.8	33.6	33.6	
Fat content <i>kg</i>	34.8	36.9	36.2	
Fat % <i>g/kg</i>	39.2	37.6	38.1	

* Any herd having at least one goat from this breed is taken into account in these figures.

Parity	1	2	3	4	5	6	7	8 and over
% total goats	33.8	25.8	17.3	10.8	6.3	3.2	1.6	1.4

Evolution of the number of qualified lactations of Alpine breed



Breed ALPINE (cont.)

Results according to parity and month of kidding

Month of kidding	First lactations						Lactations 2 and over					
	Lactations		Lactation duration	Milk yield	True protein % ₀	Fat % ₀	Lactations		Lactation duration	Milk yield	True protein % ₀	Fat % ₀
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August	908	1.8	343	940	34.8	40.2	2,140	2.1	318	953	34.5	38.3
September	5,168	10.2	338	974	34.4	41.0	11,798	11.8	317	987	34.6	39.1
October	4,867	9.6	325	904	34.1	40.2	8,236	8.2	313	955	34.6	38.8
November	1,577	3.1	346	948	34.5	40.2	4,383	4.4	313	955	34.2	38.5
December	589	1.2	316	896	34.2	39.5	1,733	1.7	318	1,005	34.0	37.8
January	6,579	12.9	331	948	33.6	38.7	20,230	20.3	317	1,070	33.3	37.3
February	15,505	30.5	325	876	33.6	38.9	32,815	32.9	307	969	33.1	37.2
March	11,358	22.3	318	842	33.6	38.7	14,708	14.7	301	919	33.1	37.1
April	3,272	6.4	304	802	33.8	38.1	2,624	2.6	296	923	33.5	36.6
May	838	1.6	293	795	34.3	38.5	723	0.7	278	865	34.1	36.1
June	187	0.4	268	772	34.0	40.0	348	0.3	272	785	33.2	37.5
July	54	0.1	341	900	33.6	39.7	118	0.1	278	921	32.7	39.2
Overall total	50,902	100	324	887	33.8	39.2	99,856	100	310	980	33.6	37.6

Distribution of primiparous per age at kidding

Age at 1st kidding	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg	Reference duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg
>= 240 et < 330 days	500	1.0	355	960	34.3	40.0	250	680	33.1	39.1
>= 330 et < 365 days	11,376	22.3	335	909	33.9	39.6	250	717	33.1	38.9
>= 365 et < 420 days	30,340	59.6	320	874	33.8	39.2	250	716	33.0	38.6
>= 420 days	6,464	12.7	330	944	34.0	38.9	250	675	32.6	37.5
Age unknown	2,222	4.4	311	780	33.3	38.3	250	626	32.4	37.5
Overall total	50,902	100	324	887	33.8	39.2		707	33.0	38.5

Distribution of primiparous per lactation duration

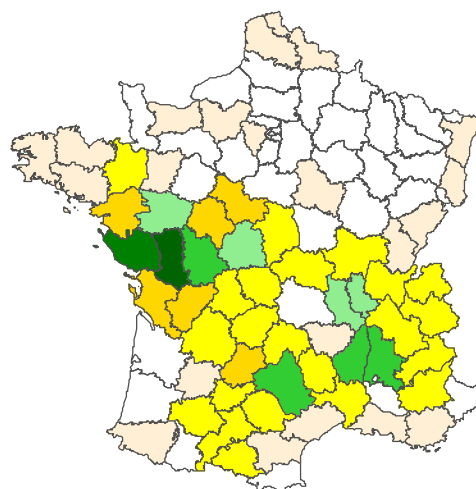
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg	Reference duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg
< 450 days	45,513	89.4	288	778	33.4	38.9	250	699	33.0	38.5
>= 450 days	5,389	10.6	633	1,810	35.4	40.4	250	776	32.7	38.0
Overall total	50,902	100	324	887	33.8	39.2		707	33.0	38.5



Results per breed

Breed SAANEN (French breed code: 11)

Geographical distribution of qualified lactations of Saanen breed

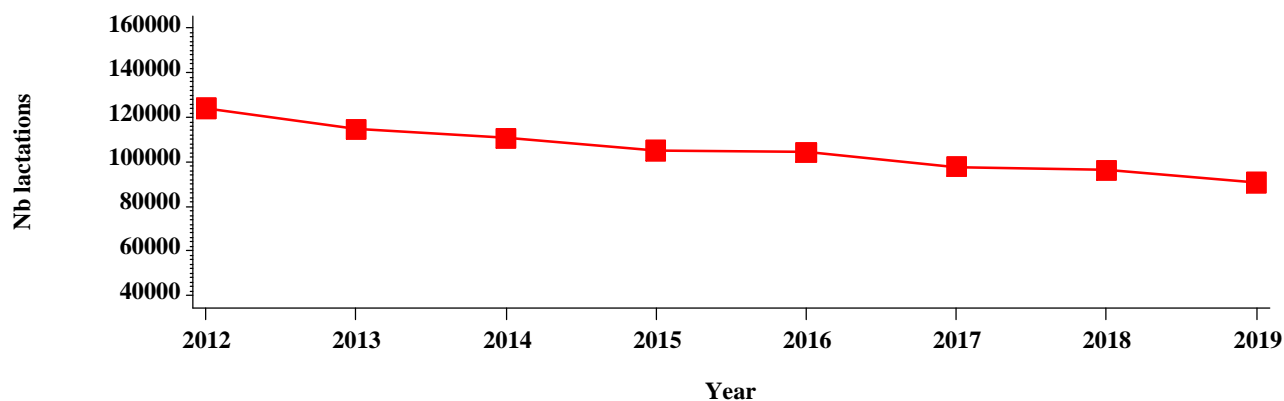


	First lactations	Lactations 2 and over	All lactations	Number of herds for Saanen breed*
Number of lactations	31,071	59,604	90,675	784
Lactation duration <i>days</i>	347	315	326	
Milk yield <i>kg</i>	1,017	990	999	
True protein content <i>kg</i>	33.3	32.1	32.5	
True protein % <i>g/kg</i>	32.7	32.5	32.6	
Fat content <i>kg</i>	38.2	35.5	36.4	
Fat % <i>g/kg</i>	37.6	35.9	36.5	

* Any herd having at least one goat from this breed is taken into account in these figures.

Parity	1	2	3	4	5	6	7	8 and over
% total goats	34.3	27.2	17.8	10.4	5.6	2.6	1.2	0.9

Evolution of the number of qualified lactations of Saanen breed



Breed SAANEN (cont.)

Results according to parity and month of kidding

Month of kidding	First lactations						Lactations 2 and over					
	Lactations		Lactation duration	Milk yield	True protein % ₀	Fat % ₀	Lactations		Lactation duration	Milk yield	True protein % ₀	Fat % ₀
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August	1,077	3.5	366	1,164	33.3	38.2	2,091	3.5	339	1,058	33.5	36.7
September	4,992	16.1	366	1,117	33.5	38.8	11,611	19.5	317	980	33.4	37.0
October	2,741	8.8	372	1,101	33.1	38.4	6,004	10.1	319	959	32.9	36.9
November	1,437	4.6	358	1,029	32.6	38.3	3,438	5.8	313	945	32.6	37.1
December	466	1.5	345	978	32.4	37.1	1,219	2.0	303	883	32.6	36.1
January	5,198	16.7	341	1,013	32.4	37.1	11,106	18.6	323	1,067	32.0	35.1
February	7,654	24.6	341	971	32.4	37.2	15,109	25.3	314	1,005	32.0	35.3
March	5,278	17.0	336	968	32.4	36.8	6,463	10.8	304	951	32.0	35.1
April	1,663	5.4	313	888	32.5	36.8	1,855	3.1	273	854	31.9	34.8
May	431	1.4	356	1,019	32.9	37.0	490	0.8	292	841	32.3	33.7
June	103	0.3	256	645	31.8	35.3	151	0.3	305	754	32.6	36.2
July	31	0.1	340	845	33.1	36.3	67	0.1	250	780	32.6	36.5
Overall total	31,071	100	347	1,017	32.7	37.6	59,604	100	315	990	32.5	35.9

Distribution of primiparous per age at kidding

Age at 1st kidding	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg	Reference duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg
>= 240 et < 330 days	456	1.5	356	1,040	32.9	37.5	250	730	32.1	36.8
>= 330 et < 365 days	9,529	30.7	355	1,041	32.8	37.8	250	740	32.1	37.3
>= 365 et < 420 days	16,089	51.8	343	1,009	32.7	37.7	250	739	32.0	37.2
>= 420 days	3,145	10.1	347	1,062	32.6	37.1	250	685	31.4	36.0
Age unknown	1,852	6.0	337	879	32.5	36.5	250	635	31.6	35.7
Overall total	31,071	100	347	1,017	32.7	37.6		728	31.9	37.1

Distribution of primiparous per lactation duration

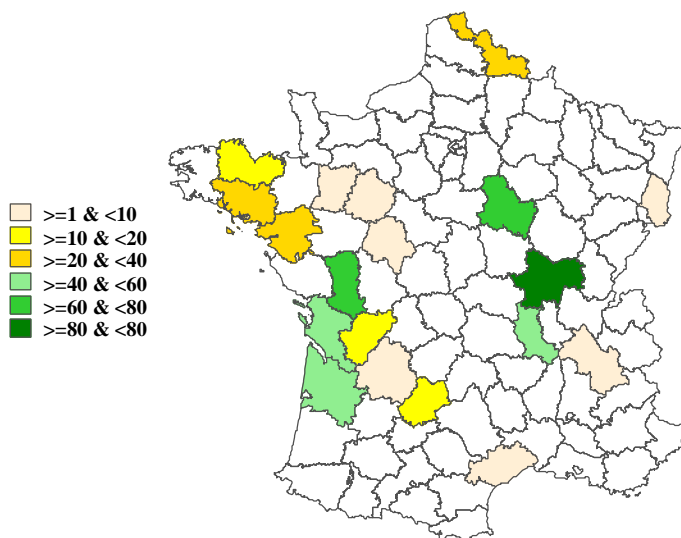
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg	Reference duration days	Milk yield kg	True protein % ₀ g/kg	Fat % ₀ g/kg
< 450 days	26,577	85.5	292	833	32.4	37.3	250	713	32.0	37.0
>= 450 days	4,494	14.5	673	2,108	33.5	38.1	250	811	31.7	37.1
Overall total	31,071	100	347	1,017	32.7	37.6		728	31.9	37.1



Results per breed

Breed POITEVINE (French breed code: 76)

Geographical distribution of qualified lactations of Poitevine breed

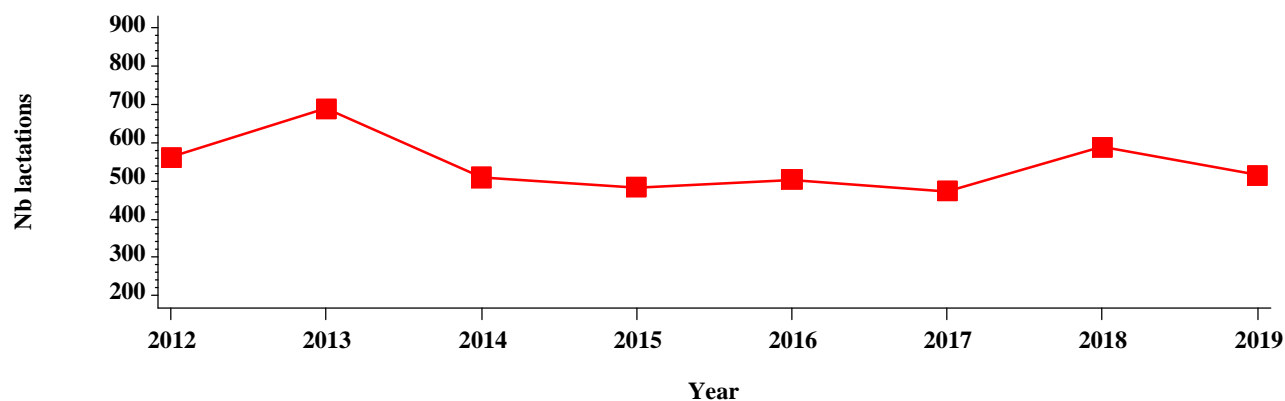


	First lactations	Lactations 2 and over	All lactations	Number of herds for Poitevine breed*
Number of lactations	115	400	515	29
Lactation duration <i>days</i>	253	267	264	
Milk yield <i>kg</i>	371	533	497	
True protein content <i>kg</i>	12.0	16.5	15.5	
True protein % <i>g/kg</i>	32.3	30.9	31.2	
Fat content <i>kg</i>	13.8	18.1	17.1	
Fat % <i>g/kg</i>	37.2	34.0	34.5	

* Any herd having at least one goat from this breed is taken into account in these figures.

Parity	1	2	3	4	5	6	7	8 and over
% total goats	22.3	15.9	14.4	20.2	12.0	7.6	2.3	5.2

Evolution of the number of qualified lactations of Poitevine breed



Breed POITEVINE (cont.)

Results according to parity and month of kidding

Month of kidding	First lactations						Lactations 2 and over					
	Lactations		Lactation duration	Milk yield	True protein %	Fat %	Lactations		Lactation duration	Milk yield	True protein %	Fat %
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August	1	0.9	299	704	33.5	39.9						
September							1	0.3	115	246	34.9	49.3
October							1	0.3	262	428	29.5	35.6
November	1	0.9	32	42	33.9	46.6	1	0.3	278	206	39.1	40.5
December							1	0.3	301	669	34.3	39.2
January							16	4.0	279	520	29.5	34.0
February	41	35.7	267	396	32.7	37.5	140	35.0	276	601	31.4	34.7
March	51	44.3	258	348	32.4	37.3	200	50.0	271	506	30.8	33.1
April	16	13.9	234	431	31.4	37.0	33	8.3	224	454	29.7	35.2
May	4	3.5	205	205	29.3	30.5	7	1.8	180	405	30.1	34.5
June	1	0.9	161	200	25.5	27.0						
July												
Overall total	115	100	253	371	32.3	37.2	400	100	267	533	30.9	34.0

Distribution of primiparous per age at kidding

Age at 1st kidding	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % g/kg	Fat % g/kg	Reference duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
>= 240 et < 330 days	3	2.6	259	331	32.1	35.8	230	293	31.1	34.6
>= 330 et < 365 days	40	34.8	272	393	32.8	36.2	230	355	32.1	35.3
>= 365 et < 420 days	42	36.5	255	377	32.3	38.7	230	342	31.8	38.5
>= 420 days	17	14.8	229	472	30.9	36.6	230	371	29.6	35.2
Age unknown	13	11.3	222	161	33.6	36.4	230	158	33.6	36.2
Overall total	115	100	253	371	32.3	37.2		329	31.6	36.5

Distribution of primiparous per lactation duration

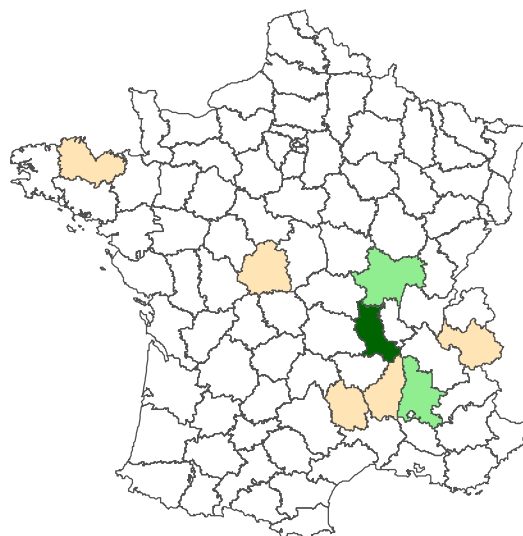
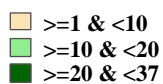
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % g/kg	Fat % g/kg	Reference duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
< 450 days	115	100	253	371	32.3	37.2	230	329	31.6	36.5
Overall total	115	100	253	371	32.3	37.2		329	31.6	36.5



Résultats per breed

Breed MASSIF CENTRAL (French breed code: 45)

Geographical distribution of qualified lactations of Massif Central breed



	First lactations	Lactations 2 and over	All lactations	Number of herds for Massif Central breed*
Number of lactations	25	53	78	9
Lactation duration <i>days</i>	269	279	276	
Milk yield <i>kg</i>	365	496	454	
True protein content <i>kg</i>	11.6	14.8	13.8	
True protein % <i>g/kg</i>	31.9	29.9	30.4	
Fat content <i>kg</i>	15.0	18.5	17.4	
Fat % <i>g/kg</i>	41.1	37.3	38.2	

* Any herd having at least one goat from this breed is taken into account in these figures.

Parity	1	2	3	4	5	6	7	8 and over	Total
Number of lactations	25	22	6	7	1	3	3	11	78



IV - RESULTS PER REGION

4.1 - Detailed results

Region	Lactations		Lactation duration	Milk yield	True protein content	True protein %	Fat content	Fat %
	<i>Nb</i>	<i>%</i>	<i>days</i>	<i>kg</i>	<i>kg</i>	<i>g/kg</i>	<i>kg</i>	<i>g/kg</i>
Alsace	464	0.2	274	674	21.5	32.0	24.5	36.4
Aquitaine	5,334	2.1	315	955	32.3	33.8	36.0	37.7
Auvergne	1,891	0.8	292	864	29.2	33.8	33.6	39.0
Basse Normandie	248	0.1	282	997	34.6	34.6	35.8	35.9
Bourgogne	4,179	1.7	295	753	24.8	33.0	28.4	37.6
Bretagne	6,540	2.6	328	969	32.6	33.6	35.5	36.7
Centre	26,779	10.7	319	947	31.9	33.7	36.0	38.0
Franche Comté	152	0.1	231	456	14.9	32.7	16.2	35.6
Haute Normandie	91	0.0	294	1,198	41.5	34.7	49.5	41.3
Ile de France	587	0.2	273	925	31.4	33.9	34.4	37.2
Languedoc Roussillon	4,784	1.9	312	796	26.7	33.5	29.8	37.4
Limousin	2,885	1.2	297	800	26.6	33.2	30.6	38.2
Lorraine	6	0.0	215	361	11.2	31.0	12.8	35.4
Midi-Pyrénées	35,918	14.4	310	912	30.4	33.3	33.4	36.6
Nord-Pas de Calais	171	0.1	244	668	21.9	32.7	24.4	36.4
Pays de la Loire	52,566	21.1	322	1,015	33.5	33.0	38.8	38.2
Poitou-Charentes	70,412	28.2	335	1,060	35.2	33.2	39.6	37.4
Provence Alpes Cote d'Azur	2,419	1.0	262	687	22.3	32.5	24.5	35.7
Rhône Alpes	34,153	13.7	301	845	27.7	32.8	31.4	37.1

4.2 - Kidding distribution per month (in % of the total of lactations for the region)

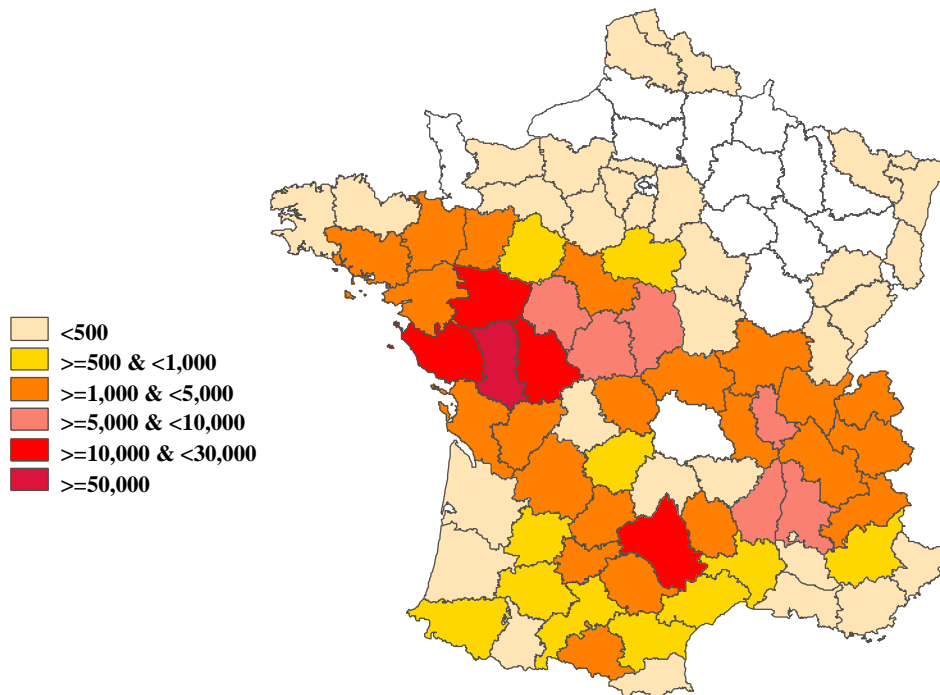
Region	Month of kidding											
	08	09	10	11	12	01	02	03	04	05	06	07
Alsace		0.2	12.1	16.6	0.6	19.2	33.2	13.4	3.2	1.1	0.2	0.2
Aquitaine	4.6	15.0	5.2	1.9	0.9	15.7	34.0	18.0	3.6	0.7	0.3	0.1
Auvergne	2.6	31.7	4.8	0.4	0.2	2.7	33.9	18.1	3.5	1.8	0.2	0.1
Basse Normandie	0.4	8.5		7.3		10.1	43.1	23.0	3.2	0.8	3.6	
Bourgogne	0.3	7.7	11.7	2.8	0.8	11.7	36.9	21.5	4.1	1.7	0.2	0.6
Bretagne	1.2	5.0	0.9	1.7	1.5	9.7	32.5	25.3	16.1	5.3	0.8	0.2
Centre	4.1	23.1	10.9	5.0	2.0	5.3	18.8	20.7	6.6	2.2	1.0	0.4
Franche Comté						23.0	21.7	46.7	4.6	3.9		
Haute Normandie	12.1	5.5		1.1	1.1	13.2	19.8	15.4	6.6	8.8	15.4	1.1
Ile de France					0.2	18.2	53.3	16.9	10.4	0.7		0.3
Languedoc Roussillon	5.7	4.2	5.7	2.4	0.1	6.4	30.1	28.6	13.2	2.9	0.5	0.2
Limousin	0.6	5.6	12.5	1.4	0.1	9.9	42.0	22.0	5.2	0.5	0.2	0.0
Lorraine								33.3	66.7			
Midi-Pyrénées	1.3	9.7	15.0	7.2	3.1	23.2	24.9	11.9	2.9	0.7	0.2	0.0
Nord-Pas de Calais				0.6			18.7	49.1	22.8	4.1	4.7	
Pays de la Loire	1.5	7.8	2.4	1.3	0.4	24.6	41.9	16.8	2.6	0.6	0.2	0.0
Poitou-Charentes	2.9	18.3	10.9	6.2	1.8	17.7	25.9	12.6	2.8	0.8	0.2	0.1
Provence Alpes Cote d'Azur	1.0	9.8	3.3	0.1	0.5	15.0	35.8	29.5	3.9	1.0		0.0
Rhône Alpes	3.9	15.1	11.0	4.9	2.5	16.9	26.3	14.8	3.3	0.7	0.5	0.1



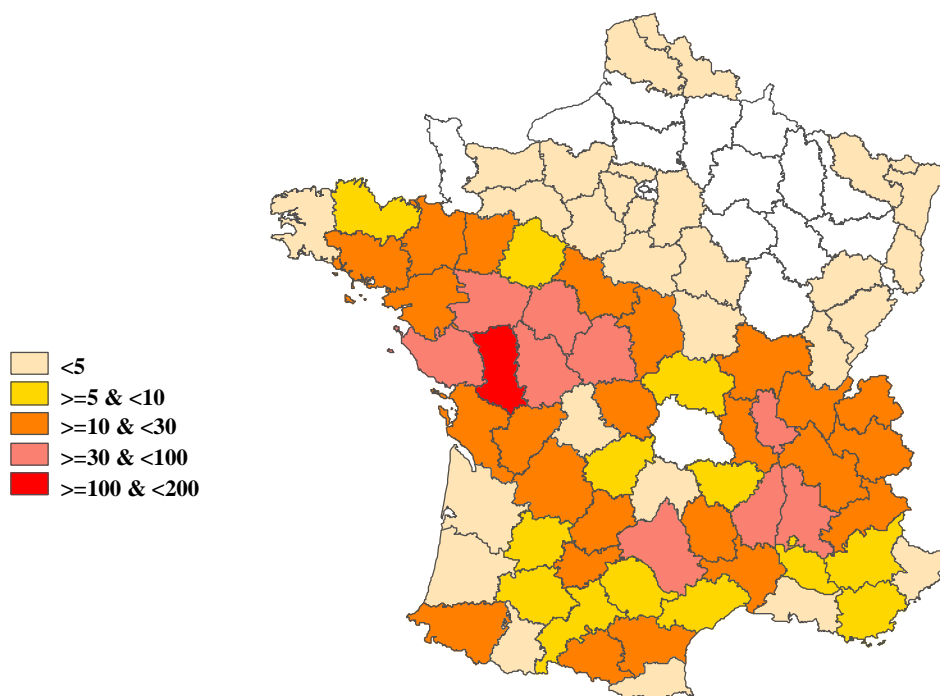
V - RESULTATS PER LOCAL AREA (= FRENCH « DÉPARTEMENT »)

5.1 - Geographical distributions

Distribution of qualified lactations



Herd distribution (counted up with qualified lactations)



5.2 - Detailed results per local area

Local area ¹	Number of herds	Number of lactations	Average number of goats per herd	Lactation duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
01 Ain	15	1,164	78	266	673	32.8	37.7
03 Allier	9	1,442	160	279	817	33.6	38.2
04 Alpes Hte Provence	6	548	91	273	664	32.2	36.4
05 Hautes Alpes	12	1,000	83	253	670	31.8	35.9
06 Alpes Maritimes	1	72	72				
07 Ardèche	88	9,739	111	297	828	32.5	37.4
09 Ariège	12	1,715	143	317	917	34.9	40.7
11 Aude	10	551	55	263	608	34.3	36.8
12 Aveyron	87	22,778	262	311	935	33.2	36.7
13 Bouches du Rhône	2	124	62				
14 Calvados	1	25	25				
15 Cantal	4	196	49	391	1,127	35.8	41.2
16 Charente	25	4,898	196	330	1,010	33.5	37.0
17 Charente Maritime	15	1,756	117	308	937	32.2	35.9
18 Cher	38	6,000	158	298	850	33.6	37.9
19 Corrèze	5	592	118	279	701	32.7	35.6
22 Côtes d'Armor	6	380	63	366	1,030	33.7	35.9
23 Creuse	11	1,872	170	316	885	33.4	39.1
24 Dordogne	26	3,636	140	311	967	33.5	37.5
25 Doubs	3	105	35	265	536	32.7	35.0
26 Drôme	55	7,980	145	309	879	32.9	36.6
27 Eure	2	91	46				
28 Eure & Loir	4	297	74	290	1,087	33.8	36.6
29 Finistère	2	323	162				
30 Gard	11	694	63	369	1,067	33.6	37.8
31 Haute Garonne	6	818	136	345	858	33.7	35.8
32 Gers	6	598	100	282	773	33.0	35.7
33 Gironde	4	179	45	257	517	32.8	35.5
34 Hérault	8	755	94	314	785	34.4	38.7
35 Ille & Vilaine	21	4,230	201	333	1,031	33.8	36.7
36 Indre	57	7,343	129	325	918	33.5	38.1
37 Indre & Loire	59	9,907	168	321	1,022	33.9	38.5
38 Isère	42	2,847	68	312	935	33.2	36.0
39 Jura	3	46	15	155	277	32.7	38.4
40 Landes	2	26	13				
41 Loir & Cher	27	2,625	97	339	955	33.9	36.7
42 Loire	33	3,734	113	314	913	32.5	36.9
43 Haute Loire	7	253	36	294	926	33.0	40.5
44 Loire Atlantique	11	2,299	209	320	938	32.4	37.3
45 Loiret	4	607	152	326	926	33.3	36.6
46 Lot	22	4,792	218	307	830	33.3	34.8
47 Lot & Garonne	6	579	97	372	1,114	34.8	40.5
48 Lozère	28	2,634	94	311	786	33.1	37.1
49 Maine & Loire	78	20,639	265	320	1,010	33.4	39.1
53 Mayenne	19	4,411	232	321	924	34.0	40.2
56 Morbihan	11	1,607	146	317	882	33.4	37.0
57 Moselle	2	6	3				
58 Nièvre	1	226	226				

¹Durations, milk yields and fat and true protein rates are mentioned only for local areas that count up a least 3 herds.



Detailed results per local area (cont.)

Local area ¹	Number of herds	Number of lactations	Average number of goats per herd	Lactation duration days	Milk yield kg	True protein ‰ g/kg	Fat ‰ g/kg
59 Nord	3	122	41	236	637	31.3	35.7
61 Orne	2	223	112				
62 Pas de Calais	1	49	49				
64 Pyrénées Atlantiques	16	914	57	308	911	34.5	36.6
65 Hautes Pyrénées	1	140	140				
66 Pyrénées Orientales	4	150	38	225	477	32.3	37.4
67 Bas Rhin	4	155	39	271	688	31.6	37.5
68 Haut Rhin	4	309	77	276	666	32.2	35.8
69 Rhône	59	5,627	95	300	846	33.0	37.9
70 Haute Saône	1	1	1				
71 Saône & Loire	44	3,666	83	286	718	32.6	37.9
72 Sarthe	9	826	92	354	1,028	32.9	40.3
73 Savoie	16	1,007	63	296	736	32.8	37.1
74 Haute Savoie	36	2,055	57	274	700	32.9	37.7
77 Seine & Marne	4	241	60	279	1,021	34.3	38.6
78 Yvelines	1	128	128				
79 Deux Sèvres	190	51,182	269	335	1,060	33.2	37.4
81 Tarn	7	1,635	234	300	870	32.9	37.5
82 Tarn & Garonne	12	3,442	287	307	936	33.5	36.1
83 Var	7	363	52	264	624	33.5	33.4
84 Vaucluse	5	312	62	253	784	34.0	37.1
85 Vendée	91	24,391	268	322	1,043	32.7	37.1
86 Vienne	59	12,576	213	338	1,097	33.1	37.7
87 Haute Vienne	4	421	105	243	563	32.8	36.9
89 Yonne	3	287	96	373	1,031	34.3	36.0
91 Essonne	1	31	31				
95 Val d'Oise	1	187	187				

¹Durations, milk yields and fat and true protein rates are mentioned only for local areas that count up a least 3 herds.



5.3 - Distribution of milk recording protocols per local area

Local area		Milk recording protocol						Total lactations
		A %	AC %	AT %	AY %	AZ %	CY %	
01	Ain	21.7	75.3	3.0				1,164
03	Allier		51.9	48.1				1,442
04	Alpes Hte Provence	35.6		64.4				548
05	Hautes Alpes			100				1,000
06	Alpes Maritimes	100						72
07	Ardèche	5.5	85.0	9.6				9,739
09	Ariège			100				1,715
11	Aude	51.9		48.1				551
12	Aveyron		81.1	18.9				22,778
13	Bouches du Rhône			100				124
14	Calvados	100						25
15	Cantal			100				196
16	Charente	23.8	22.6	53.6				4,898
17	Charente Maritime	6.5	33.9			3.4	40.4	1,756
18	Cher	46.7	20.9	14.9	13.1	4.4		6,000
19	Corrèze	3.2	48.6	48.1				592
22	Côtes d'Armor	34.7	8.9	56.3				380
23	Creuse	63.7	19.5		13.0	3.8		1,872
24	Dordogne		24.8	75.2				3,636
25	Doubs	100						105
26	Drôme	2.2	84.5	13.3				7,980
27	Eure	100						91
28	Eure & Loir	100						297
29	Finistère	100						323
30	Gard		7.5	92.5				694
31	Haute Garonne		6.2	93.8				818
32	Gers			100				598
33	Gironde	73.7		26.3				179
34	Hérault	19.1		80.9				755
35	Ille & Vilaine	14.6	3.6	1.3	57.1	23.4		4,230
36	Indre	43.6	35.1	21.3			0.0	7,343
37	Indre & Loire	56.8	1.8	0.1		0.2	32.1	9,907
38	Isère	28.8	60.1	11.1				2,847
39	Jura	100						46
40	Landes			100				26
41	Loir & Cher	98.3		1.7				2,625
42	Loire	16.4	75.9	7.7				3,734
43	Haute Loire		8.3	91.7				253
44	Loire Atlantique	5.4	33.9	2.1			36.4	2,299
45	Loiret	21.3			61.4	17.3		607
46	Lot			100				4,792
47	Lot & Garonne			100				579
48	Lozère	3.3	11.5	85.2				2,634
49	Maine & Loire	22.5	15.3	12.4	1.9	0.6	30.4	20,639
53	Mayenne	50.5	10.1	13.8			4.5	4,411
56	Morbihan	65.7	14.3	10.3		9.8		1,607
57	Moselle	100						6
58	Nièvre	100						226
59	Nord	100						122
61	Orne	95.1		4.9				223



5.3 - Distribution of milk recording protocols per local area

Local area		Milk recording protocol						Total lactations	
		A %	AC %	AT %	AY %	AZ %	CY %		CZ %
62	Pas de Calais	100						49	
64	Pyrénées Atlantiques	0.2		99.8				914	
65	Hautes Pyrénées			100				140	
66	Pyrénées Orientales	48.7		51.3				150	
67	Bas Rhin	100						155	
68	Haut Rhin	100						309	
69	Rhône	11.1	80.3	8.5				5,627	
70	Haute Saône	100						1	
71	Saône & Loire	28.6	62.7	8.7				3,666	
72	Sarthe	74.0	11.5	1.6			13.0	826	
73	Savoie	61.5		38.5				1,007	
74	Haute Savoie	66.3	0.0	33.7				2,055	
77	Seine & Marne	95.9		4.1				241	
78	Yvelines	100						128	
79	Deux Sèvres	34.5		3.1		3.9	58.5	51,182	
81	Tarn		61.0	39.0				1,635	
82	Tarn & Garonne		80.0	20.0				3,442	
83	Var	25.1		74.9				363	
84	Vaucluse			100				312	
85	Vendée	4.3	21.8	8.7		6.7	54.3	24,391	
86	Vienne	29.8	15.7	54.2			0.4	12,576	
87	Haute Vienne			100				421	
89	Yonne	36.9		20.6	42.5			287	
91	Essonne	12.9		87.1				31	
95	Val d'Oise	100						187	
	Overall total	23.4	28.1	19.9	1.7	2.2	21.8	2.9	249,579



5.4 - Lactations (complete and reference) per breed and local area

Local area	Breed ¹	Number of herds	Number of lactations	Complete lactations				Reference lactations			
				Lactation duration days	Milk yield kg	Fat % g/kg	True protein % g/kg	Reference duration days	Milk yield kg	Fat % g/kg	True protein % g/kg
Ain	Saanen	5	212	273	653	36.3	31.9	250	591	35.8	31.4
	Alpine	14	831	280	662	38.1	33.0	250	600	37.8	32.6
	Crossbred	10	93	300	816	38.8	33.4	250	700	38.1	32.8
Allier	Saanen	4	560	297	763	36.4	32.8	250	663	35.4	32.1
	Alpine	6	726	294	874	39.4	34.3	250	768	39.3	34.0
	Crossbred	3	156	270	745	38.6	33.5	250	657	38.7	33.2
Alpes Hte Provence	Saanen	2	217	273	685	36.3	31.4	250	647	35.9	31.2
	Alpine	5	330	271	650	36.5	32.7	250	629	36.3	32.4
Hautes Alpes	Saanen	6	217	294	640	36.2	32.2	250	523	36.0	31.8
	Alpine	11	748	259	680	35.8	31.8	250	632	35.7	31.4
Alpes Maritimes	Alpine	1	72								
Ardèche	Saanen	58	5,415	310	853	37.1	32.1	250	707	36.9	31.8
	Alpine	59	4,013	293	801	37.8	33.1	250	721	37.5	32.7
	Crossbred	31	306	290	743	36.7	32.3	250	676	36.5	32.1
Ariège	Saanen	6	133	334	982	37.9	34.4	250	726	36.4	33.3
	Alpine	11	1,403	322	908	40.8	35.0	250	737	40.3	34.3
	Crossbred	7	159	355	954	41.5	35.2	250	632	40.0	34.0
Aude	Saanen	3	70	280	614	36.6	33.0	250	590	36.3	32.7
	Alpine	10	420	257	598	37.5	34.9	250	582	37.4	34.6
	Crossbred	3	61	276	668	32.5	31.8	250	649	32.3	31.6
Aveyron	Saanen	45	6,803	305	879	34.9	32.1	250	787	34.7	31.8
	Alpine	73	15,400	312	960	37.4	33.7	250	844	37.0	33.3
	Crossbred	52	575	313	912	36.8	33.0	250	799	36.6	32.7
Bouches du Rhône	Alpine	2	122	289	971	34.9	33.2	250	890	34.7	32.9
Cantal	Saanen	4	109	379	1,100	39.8	35.0	250	734	39.8	34.7
	Alpine	1	87								
Charente	Saanen	14	1,349	324	1,040	34.2	31.8	250	870	33.5	31.3
	Alpine	22	3,380	335	1,002	38.2	34.3	250	812	37.7	33.8
	Crossbred	12	156	344	976	36.3	33.1	250	766	35.7	32.4
Charente Maritime	Saanen	11	1,341	326	1,017	35.8	32.2	250	793	35.0	31.6
	Alpine	10	336	271	705	36.8	32.6	250	632	36.0	32.1
	Poitevine	2	40	245	257	35.2	31.7	230	245	34.6	31.5

¹Durations, milk yields and fat and true protein rates are mentioned only for breeds that count up a least 40 lactations in at least 2 herds within the local area.



Lactations (complete and reference) per breed and local area (cont.)

Local area	Breed ¹	Number of herds	Number of lactations	Complete lactations				Reference lactations			
				Lactation duration days	Milk yield kg	Fat % g/kg	True protein % g/kg	Reference duration days	Milk yield kg	Fat % g/kg	True protein % g/kg
Cher	Saanen	6	523	349	1,063	38.8	34.0	250	764	38.4	33.9
	Alpine	36	5,362	300	829	37.8	33.5	250	726	37.5	33.1
	Crossbred	14	115	326	869	36.7	33.8	250	728	36.1	32.9
Corrèze	Saanen	3	199	329	862	37.6	33.1	250	688	37.8	32.7
	Alpine	4	393	252	619	34.2	32.3	250	590	34.1	32.1
Côtes d'Armor	Saanen	1	40								
	Alpine	6	309	340	963	36.5	34.3	250	777	35.8	33.5
Creuse	Saanen	6	626	363	969	37.6	33.2	250	695	36.8	32.1
	Alpine	8	1,220	311	842	39.9	33.5	250	726	39.4	33.1
Dordogne	Saanen	7	539	317	1,024	36.4	32.5	250	885	35.7	31.9
	Alpine	23	3,084	311	958	37.8	33.7	250	833	37.7	33.3
Doubs	Alpine	3	95	275	541	34.6	32.8	250	512	34.3	32.3
Drôme	Saanen	42	5,569	320	917	35.8	32.7	250	763	35.8	32.4
	Alpine	23	1,904	294	826	38.7	33.4	250	749	38.6	33.1
	Crossbred	21	431	282	687	38.6	32.7	250	632	38.5	32.4
Eure & Loir	Alpine	4	296	322	1,088	36.6	33.8	250	911	36.0	32.9
Finistère	Alpine	2	321	275	511	36.9	31.9	250	496	36.8	31.6
Gard	Saanen	5	137	421	1,253	35.2	32.7	250	615	34.7	31.6
	Alpine	10	495	373	1,055	38.8	33.9	250	749	37.6	32.2
	Crossbred	4	62	312	750	36.3	33.9	250	655	36.4	33.1
Haute Garonne	Saanen	5	520	372	893	36.0	32.8	250	632	35.9	32.3
	Alpine	6	277	318	794	35.4	35.6	250	631	34.6	34.6
Gers	Saanen	3	336	295	834	33.1	32.4	250	713	33.0	32.1
	Alpine	6	224	288	712	40.4	34.1	250	643	40.4	33.6
Gironde	Alpine	3	120	269	552	35.4	32.5	250	525	34.9	31.9
	Poitevine	1	53								
Hérault	Saanen	1	47								
	Alpine	8	700	311	776	39.1	34.4	250	648	38.4	33.7
Ille & Vilaine	Saanen	12	960	366	1,190	36.4	33.1	250	835	35.5	32.3
	Alpine	17	3,141	335	983	36.7	34.0	250	800	35.5	33.0
	Crossbred	14	129	346	1,030	37.7	34.3	250	798	36.4	33.3

¹Durations, milk yields and fat and true protein rates are mentioned only for breeds that count up a least 40 lactations in at least 2 herds within the local area.



Lactations (complete and reference) per breed and local area (cont.)

Local area	Breed ¹	Number of herds	Number of lactations	Complete lactations				Reference lactations			
				Lactation duration <i>days</i>	Milk yield <i>kg</i>	Fat % <i>g/kg</i>	True protein % <i>g/kg</i>	Reference duration <i>days</i>	Milk yield <i>kg</i>	Fat % <i>g/kg</i>	True protein % <i>g/kg</i>
Indre	Saanen	48	3,074	332	903	37.1	32.9	250	711	36.5	32.3
	Alpine	47	3,337	353	941	38.8	34.1	250	699	38.1	33.4
	Crossbred	38	931	331	882	38.6	33.6	250	680	38.2	33.2
Indre & Loire	Saanen	35	1,545	345	1,062	37.4	32.9	250	768	37.1	32.4
	Alpine	52	8,020	342	1,019	38.7	34.1	250	787	38.0	33.3
	Crossbred	28	336	335	919	38.6	33.6	250	689	38.0	32.9
Isère	Saanen	13	904	319	1,017	33.9	32.5	250	820	33.5	32.0
	Alpine	34	1,732	310	922	37.1	33.7	250	797	36.7	33.1
	Crossbred	7	209	300	694	36.7	31.9	250	593	36.4	31.2
Loir & Cher	Saanen	13	1,034	368	1,068	35.8	34.4	250	756	35.6	34.1
	Alpine	24	1,473	359	876	37.4	33.5	250	649	36.4	32.5
	Crossbred	5	118	341	962	37.6	32.6	250	754	37.1	32.2
Loire	Saanen	21	2,047	324	970	36.0	32.4	250	797	35.8	31.9
	Alpine	17	1,490	319	869	38.3	33.0	250	736	37.8	32.3
	Crossbred	6	119	298	672	36.2	30.4	250	623	36.3	30.0
	Poitevine	1	41								
Haute Loire	Saanen	5	76	342	858	36.3	32.1	250	584	35.4	31.3
	Alpine	5	173	297	955	42.2	33.3	250	817	42.6	33.1
Loire Atlantique	Saanen	5	1,059	344	1,117	37.7	32.9	250	882	37.4	32.5
	Alpine	10	1,184	299	793	36.8	31.8	250	723	36.6	31.4
Loiret	Alpine	4	604	324	923	36.6	33.3	250	788	36.2	33.0
Lot	Saanen	11	1,136	309	803	32.1	32.0	250	698	31.5	31.7
	Alpine	19	3,577	307	842	35.6	33.7	250	742	35.0	33.3
	Crossbred	10	62	286	723	35.3	33.7	250	670	35.2	33.7
Lot & Garonne	Alpine	6	578	372	1,114	40.5	34.8	250	849	39.5	33.6
Lozère	Saanen	13	743	313	841	36.6	32.7	250	708	36.4	32.2
	Alpine	25	1,874	310	765	37.3	33.3	250	674	36.9	32.6
Maine & Loire	Saanen	24	3,516	335	1,017	37.6	32.8	250	805	37.1	32.3
	Alpine	69	16,841	318	1,009	39.4	33.5	250	864	38.8	32.9
	Crossbred	25	282	321	955	38.4	33.0	250	817	37.7	32.4
Mayenne	Saanen	6	90	279	768	38.7	32.4	250	713	38.5	32.2
	Alpine	18	4,272	323	931	40.2	34.0	250	772	39.4	33.3
	Crossbred	5	44	292	623	39.3	31.9	250	585	39.0	31.4

¹Durations, milk yields and fat and true protein rates are mentioned only for breeds that count up a least 40 lactations in at least 2 herds within the local area.



Lactations (complete and reference) per breed and local area (cont.)

Local area	Breed ¹	Number of herds	Number of lactations	Complete lactations				Reference lactations			
				Lactation duration days	Milk yield kg	Fat % g/kg	True protein % g/kg	Reference duration days	Milk yield kg	Fat % g/kg	True protein % g/kg
Morbihan	Alpine	10	1,507	318	892	37.2	33.4	250	756	36.5	32.7
	Crossbred	5	65	298	808	33.6	33.1	250	722	33.0	32.7
Nièvre	Alpine	1	226								
Nord	Crossbred	2	51	235	660	35.0	30.7	250	646	34.9	30.6
Orne	Alpine	2	201	354	1,001	36.4	34.8	250	785	35.9	34.0
Pas de Calais	Alpine	1	48								
Pyrénées Atlantiques	Alpine	15	890	308	914	36.6	34.5	250	790	35.6	33.6
Hautes Pyrénées	Alpine	1	140								
Pyrénées Orientales	Alpine	4	137	225	489	37.3	32.3	250	488	37.3	32.2
Bas Rhin	Alpine	3	107	268	679	37.0	31.9	250	613	36.7	31.5
Haut Rhin	Alpine	4	302	297	668	35.7	32.2	250	602	35.6	31.8
Rhône	Saanen	31	2,686	313	864	36.2	32.2	250	732	36.1	31.8
	Alpine	43	2,827	320	835	39.7	33.8	250	698	39.0	33.1
	Crossbred	14	114	305	679	37.9	32.1	250	600	37.8	31.7
Saône & Loire	Saanen	10	586	293	671	35.6	31.9	250	580	35.5	31.6
	Alpine	42	2,864	302	737	38.3	32.7	250	650	38.0	32.1
	Crossbred	12	120	280	650	38.7	32.6	250	598	38.7	32.3
	Poitevine	2	80	256	520	37.3	31.3	230	501	37.3	31.2
Sarthe	Alpine	9	822	354	1,030	40.3	32.9	250	807	39.0	32.0
Savoie	Saanen	7	366	374	1,035	36.3	32.7	250	663	35.7	31.9
	Alpine	13	543	270	587	37.8	33.1	250	553	37.7	32.9
Haute Savoie	Saanen	17	359	301	688	35.3	31.3	250	556	35.3	31.0
	Alpine	31	1,326	287	755	38.8	34.0	250	665	38.5	33.5
	Crossbred	14	171	271	576	36.8	30.7	250	533	36.6	30.3
Seine & Marne	Alpine	4	241	315	1,021	38.6	34.3	250	889	38.1	33.4
Yvelines	Saanen	1	48								
	Alpine	1	80								

¹Durations, milk yields and fat and true protein rates are mentioned only for breeds that count up a least 40 lactations in at least 2 herds within the local area.



Lactations (complete and reference) per breed and local area (cont.)

Local area	Breed ¹	Number of herds	Number of lactations	Complete lactations				Reference lactations			
				Lactation duration days	Milk yield kg	Fat % g/kg	True protein % g/kg	Reference duration days	Milk yield kg	Fat % g/kg	True protein % g/kg
Deux Sèvres	Saanen	123	23,954	344	1,061	36.7	32.8	250	820	36.2	32.3
	Alpine	118	26,408	326	1,057	38.0	33.6	250	882	37.4	33.0
	Crossbred	57	746	365	1,141	37.1	33.0	250	833	36.3	32.3
	Poitevine	3	71	289	566	32.7	31.3	230	525	32.3	30.7
Tarn	Saanen	5	981	315	910	36.9	32.9	250	770	37.1	32.7
	Alpine	6	622	286	813	38.7	33.1	250	746	38.6	32.8
Tarn & Garonne	Saanen	7	275	304	1,045	36.0	32.4	250	942	35.5	32.0
	Alpine	12	3,070	308	924	36.1	33.6	250	812	35.7	33.2
	Crossbred	6	97	308	995	36.6	32.7	250	890	36.5	32.6
Var	Alpine	7	299	270	675	33.1	33.5	250	643	32.9	33.2
Vaucluse	Alpine	5	283	298	811	36.9	34.1	250	647	36.4	33.5
Vendée	Saanen	69	13,422	334	1,069	36.6	32.3	250	855	36.1	31.8
	Alpine	56	10,786	324	1,011	37.9	33.1	250	850	37.2	32.5
	Crossbred	26	178	317	1,045	36.2	32.0	250	870	35.6	31.5
Vienne	Saanen	45	6,341	352	1,167	37.2	32.4	250	861	36.9	31.9
	Alpine	41	5,512	332	1,035	38.4	34.1	250	826	37.9	33.6
	Crossbred	23	723	323	960	37.2	33.1	250	790	36.8	32.7
Haute Vienne	Saanen	3	347	245	570	37.0	32.6	250	549	36.7	32.4
	Alpine	4	63	229	536	36.9	33.5	250	531	36.8	33.5
Yonne	Alpine	1	193								
	Poitevine	1	61								
Val d'Oise	Alpine	1	187								

¹Durations, milk yields and fat and true protein rates are mentioned only for breeds that count up a least 40 lactations in at least 2 herds within the local area.



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Milk recording results - Dairy Cattle France – 2019

CATTLE: 36,705 herds provided 2,334,919 qualified lactations in 2019. Decreasing respectively from 5.6% and 2% the herd number and the number of qualified lactations confirm the trend observed the previous years.

The three main French national breeds (Prim'Holstein, Montbéliarde and Normande) represent henceforth 91.3% of the total of qualified lactations (-0.3% compared to 2018). With 47.5% the percentage of herds with more than 60 qualified lactations is increasing again in 2019 (45.1% in 2018 and 40.1% in 2017) while the rate of qualified lactations they represent reach 69% (66.9% in 2018 and 63.1% in 2017).

With an average milk production for complete lactations at 8,446 Kg, the milk yield is decreasing in 2019 (-20kg). In the same time the average lactation duration is increasing to 335 days (+1 day). Mean fat and protein rates reach 40.1 g/kg for fat and 32.5 g/kg for proteins. A noticeable improvement in somatic cell count situation is again observed. The proportion of lactations for which all the test-dates obtain cell counts lower than 300.000 cells and the proportion of lactations having at least 2 test-dates with cell counts higher than 800.000 reach respectively 49.6% et 12.7%.

GOAT: The number of qualified lactations and the number of flocks are decreasing in 2019 to reach 249,579 lactations (-6,516 lactations -2.5%) and 1,492 flocks (-0.7%). In 2019, the main dairy breeds (Alpine and Saanen) represented 96.7% of the overall total of qualified lactations. The proportion of primiparous dairy goats is slightly increasing and reaches 33.8% (+0.8) confirming the trend observed the previous year.

With 963 Kg per lactation the milk yield is staying at a comparable level than the one observed in 2018 (-1Kg). This milk yield stability occurs in conjunction with a long lactation duration at 318 days, confirming the increase in lactation duration observed in 2018 that had reached 319 days (312 days in 2017). Meanwhile true-protein and fat rates are increasing and reaches respectively 33.2 g/Kg (+0.2) and 37.5 g/Kg (+0.4).

SHEEP: The total number of ewes present at the lambing period reached 329,394 in 2019, that is quite similar to the previous year (+ 0,1%). At the same time the total number of ewes with lactation calculation decreased slightly at 278,423 (-0,6%). This overall stability occurs after several years of increasing ewes population (more than 22,000 ewes over the previous 3years). 760 flocks are counted up today in Official Milk Recording, which means a decrease of 8 flocks compared to the previous year. Meanwhile, the average size of flock still progressed in 2019 (433 ewes present at the lambing period in average versus 428 ewes in 2018).

In 2019 the average milk yield is stable for the Lacaune breed (+0.1 liter), is decreasing for the Corsican breed (-12,4 liters) and is increasing for the Pyrenean breeds (4.1 to 10 liters). At the national level the milk yield reached 286.3 liters in 169 days in milking-only period (+2.1 liters and + 2 days).

A simplified milk recording, corresponding to the D recording method in the ICAR nomenclature and not presented in this document, exists in addition to the Official Milk Recording AC design. It concerns commercial flocks out of the selection nucleus (while the Official Milk Recording is devoted only to breeders involved in the selection program). 1,289 flocks and 572,456 ewes present at the lambing period were submitted to D recording in 2019.