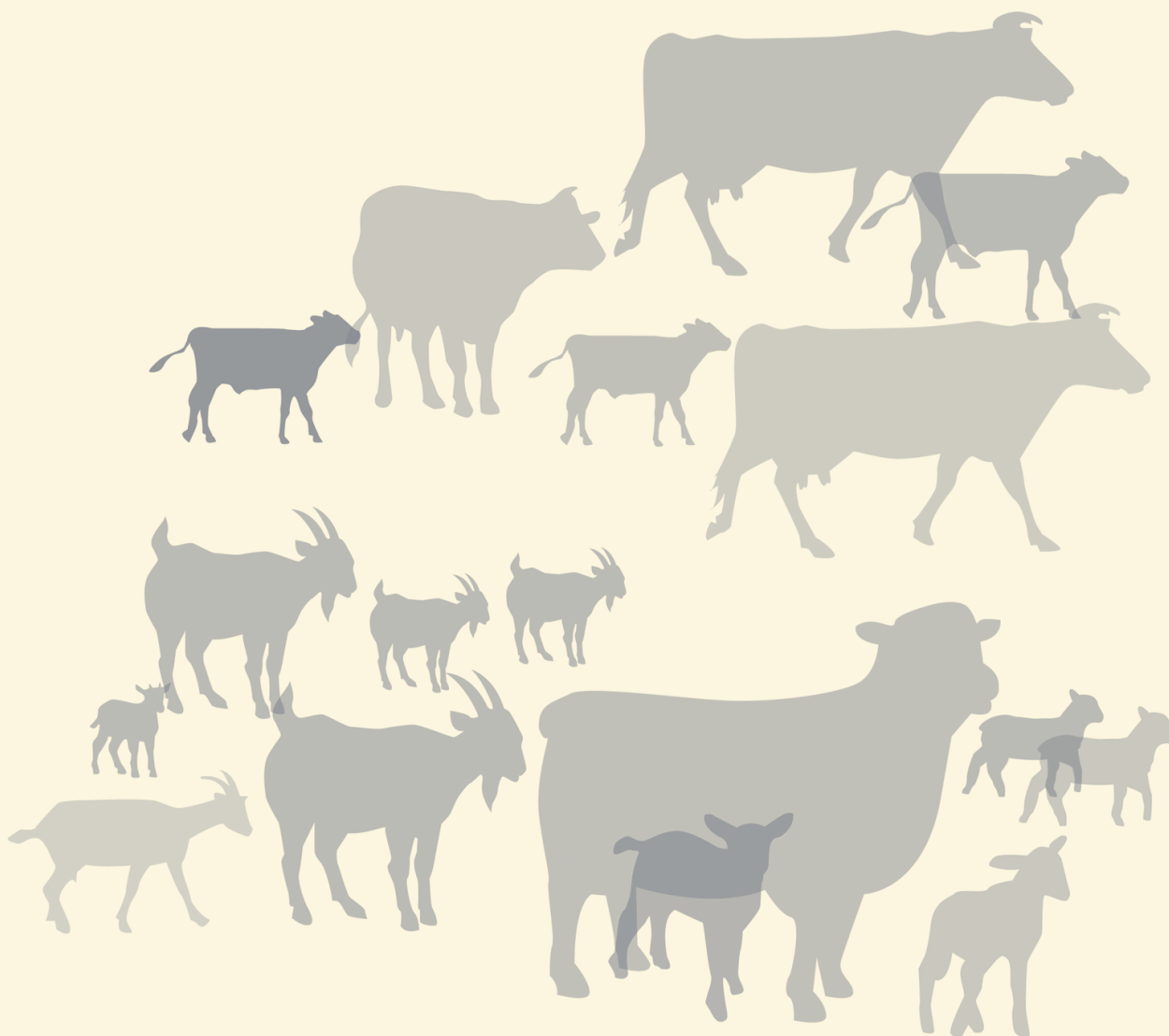


# Milk recording results

France 2020



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**MILK RECORDING**

**RESULTS OF**

**CATTLE, GOATS AND SHEEP**

**- FRANCE - Year 2020 -**



**Report n° 0021201018**  
**GT/JMA/XB**

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# *Milk recording results - Dairy Cattle France – Year 2020*

*Source of pictures: :  
www.inapg.inra.fr/dsa/especes/bovins.htm  
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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 2020 in a herd with active Official Milk Recording (=MR) contract and for which at least one milk record has been registered throughout the year 2020.

In paragraph 1.1.2, the **number of active herds** refers to herds with active Official Milk Recording contract on the 31st of December 2020 and with at least one active cow taken in account over the year (and still present in this herd on the 31st of December 2020).

Annual milk recording results (starting at paragraph 1.2) have been calculated on 31 January 2021 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, 2017). 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 2020.

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 2020

34,793 herds provided 2,200,652 qualified lactations in 2020. With a decrease of 5.2% of the herd number and of 5.7% of the qualified lactations these figures confirm the trend observed since a few years.

The three main French national breeds (Prim'Holstein, Montbéliarde and Normande) represent henceforth 91% of the total of qualified lactations (-0.6% compared to 2019).

With 46.8% the percentage of herds with more than 60 qualified lactations slightly decrease in 2020 (47.5% in 2019, 45.1% in 2018 and 40.1% in 2017). The part of the qualified lactations they represent follow the same trend and decrease to 68.6% (69 % in 2019, 66.9% in 2018 and 63.1% in 2017).

With an average milk production for complete lactations at 8,707 Kg, the milk yield is increasing in 2020 (+ 261kg). In the same time the average lactation duration is increasing to reach 339 days (+5 days).

Mean fat and protein rates reach respectively to 40.5 g/kg for fat (+0.4) and 32.8 g/kg for proteins (+0.3).

The increasing milk, fat and protein yields observed in 2020 must be seen in relation to the evolution of the causes of non-qualification in force since March 2020 and the impact of which will be to confirm in the coming years.

The noticeable improvement in somatic cell count situation observed for several years is confirmed. 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 40.8% et 12.3%.

## Evolution of lactation qualification methods in 2020

Since March 9, 2020, the lactation qualification system has evolved. It now allows the qualification of lactations according to 84 methods against 44 in the previous system.

This development results on the one hand from the recognition of type 9 intervals for all protocols, which adds the AT9, BT9, BZ9 and CZ9 methods to the 44 protocols until now recognized.

On the other hand, it is completed by the creation of a second level of 36 methods called 'simplified' which are distinguished by a type exponent \* added to the protocol name. This level of simplification add 6 new protocols (AT \*, BT \*, BZ \*, CZ \*, AR \* and BR\*).

At the same time, the causes of non-qualification have evolved in number (from 7 to 4 causes) and nature with in particular the creation of B cause which eliminates short lactations. (Less than 3 complete checks in 305 lactation days).

Changes in qualifications methods are taken into account in the genetic evaluations by creating weighting coefficients adapted to each qualification method.

### Learn more about protocols and qualification methods:

[http://idele.fr/fileadmin/medias/Documents/3\\_Controle\\_des\\_Performances\\_Lait\\_Protocolos\\_et\\_methodes\\_de\\_qualification\\_20200402.pdf](http://idele.fr/fileadmin/medias/Documents/3_Controle_des_Performances_Lait_Protocolos_et_methodes_de_qualification_20200402.pdf)

### Learn more about weightings associated with the different qualification methods:

[http://idele.fr/fileadmin/user\\_upload/IBL2020\\_Qualifications\\_de\\_lactations.pdf](http://idele.fr/fileadmin/user_upload/IBL2020_Qualifications_de_lactations.pdf)



# TABLE OF CONTENTS

<b>I - NATIONAL RESULTS .....</b>	<b>7</b>
1.1 - Total milk recorded population .....	7
1.1.1 - Total number of active herds on December, 31st, 2020* .....	7
1.1.2 - Total number of active cows on December, 31st, 2020* .....	7
1.1.3 - Terminated lactations .....	8
1.1.3.1 - Total number of herds with terminated lactations .....	8
1.1.3.2 - Total number of terminated lactations .....	9
1.2 - Qualified lactations .....	10
1.2.1 - Complete lactations .....	11
1.2.1.1 - Total number of herds which provided complete lactation results .....	11
1.2.1.2 - Total number of complete lactations .....	11
1.2.2 - Herds distribution per total number of lactations .....	13
1.2.3 - Complete lactations per parity .....	14
1.2.3.1 - Number and percentage of results per parity .....	14
1.2.3.2 - Average results of complete lactations per parity (1st, 2nd, 3rd, 4th and over) .....	14
1.2.4 - Complete lactations per month of calving - all lactations and first lactations .....	16
1.2.5 - 305-d lactations (= reference lactations) .....	17
1.2.6 - Adjusted lactations .....	19
1.2.7 - Evolution of the individual cell count results .....	21
1.3 - Lactation qualification .....	22
1.3.1 - Qualified lactations per qualification method .....	22
1.3.2 - Qualified lactations per milk recording method .....	24
1.3.3 - Qualified lactations per milk recording protocol .....	24
1.3.4 - Distribution of non-qualified lactations by cause of non-qualification .....	25
1.4 - Herd distribution per milk yield level .....	26
<b>II - RESULTS PER BREED .....</b>	<b>27</b>
2.1 - Complete lactations - all lactations .....	27
2.2 - Reference lactations (305-d) - all lactations .....	28
2.3 - Adjusted lactations - all lactations .....	29
2.4 - Adult 305-day adjusted lactations - all lactations .....	30
2.5 - Number of pure-bred herds per breed .....	31
2.6 - Detailed results per breed .....	32
<b>III - RESULTS PER LOCAL AREA (= FRENCH « DÉPARTEMENT ») .....</b>	<b>58</b>
3.1.a - Qualified lactations per protocol and local area .....	58
3.1.b - Qualified lactations per method and local area .....	61
3.2 - Complete lactations per local area - all breeds - all lactations .....	64
3.3 - Complete lactations - all lactations per local area and breed .....	66
3.4 - Complete lactations - all breeds - first lactations .....	79
3.5 - Complete lactations - first lactations per local area and breed .....	81
3.6 - 305-d lactations - all breeds - all lactations .....	91
3.7 - 305-d lactations - all lactations per local area and breed .....	93
3.8 - 305-d lactations - all breeds - first lactations .....	106
3.9 - 305-d lactations - first lactations per local area and breed .....	108
<b>IV - SOMATIC CELLS COUNT RESULTS PER LOCAL AREA .....</b>	<b>118</b>

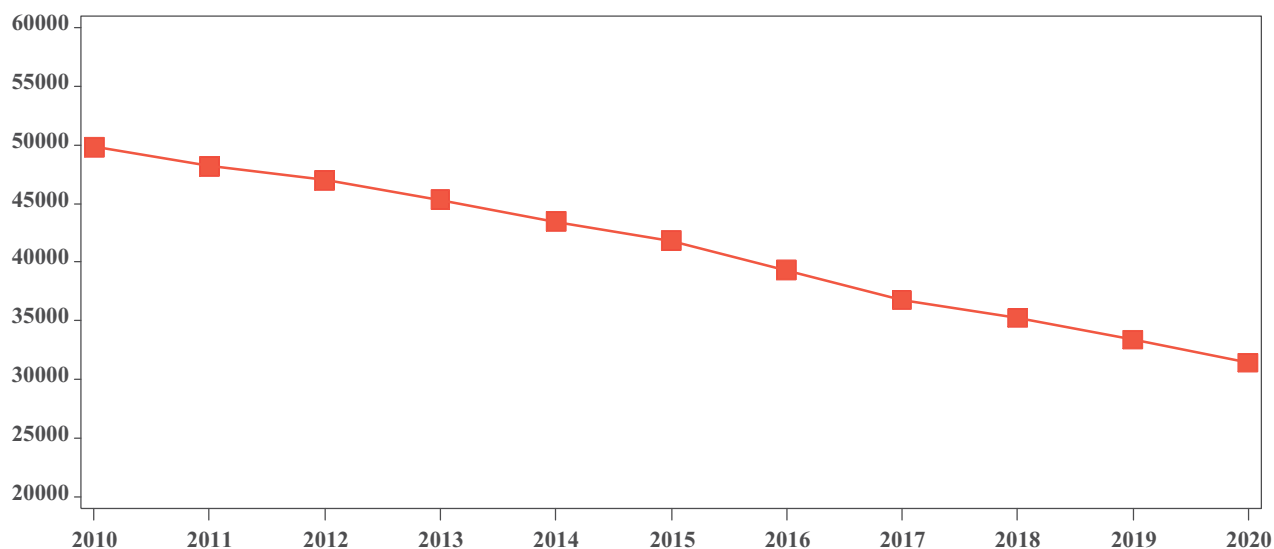


# I - NATIONAL RESULTS

## 1.1 - Total milk recorded population

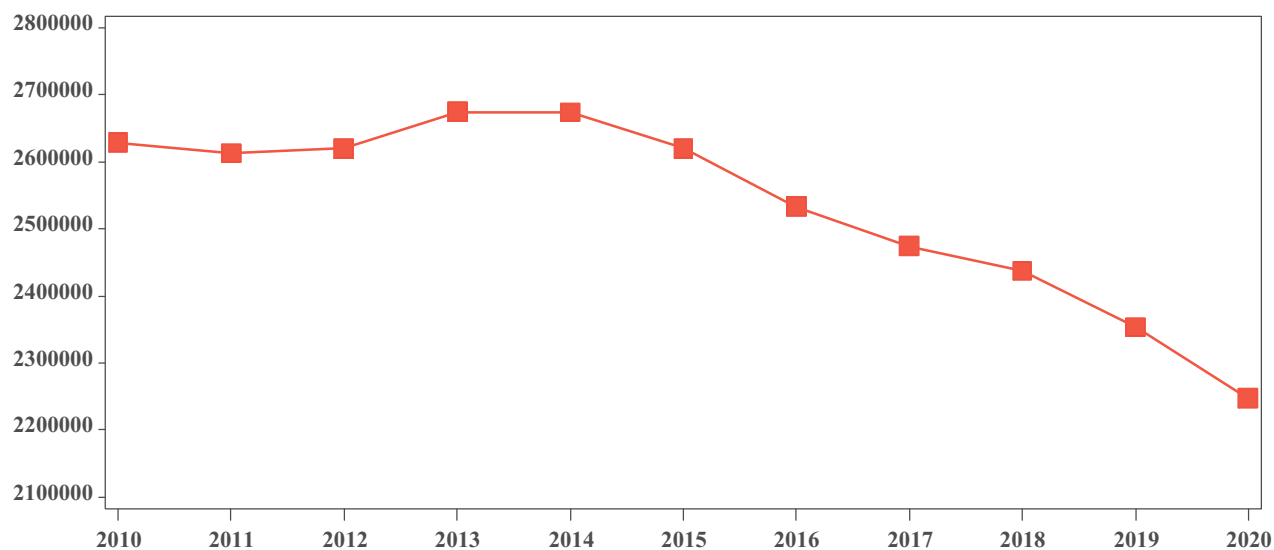
### 1.1.1 - Total number of active herds on December, 31st, 2020\*

31,435 herds



### 1.1.2 - Total number of active cows on December, 31st, 2020\*

2,247,121 cows



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



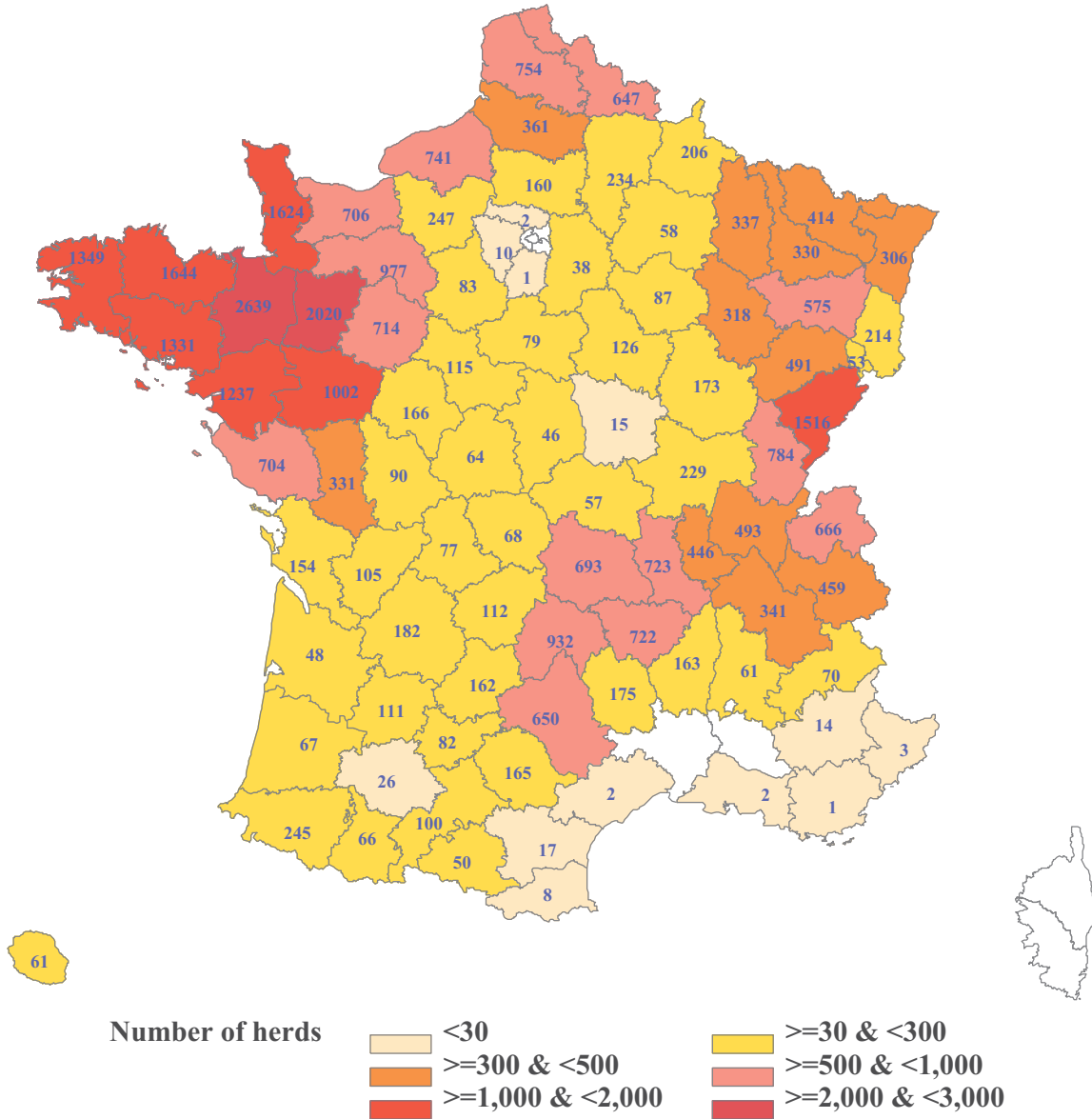
### 1.1.3 - Terminated lactations

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

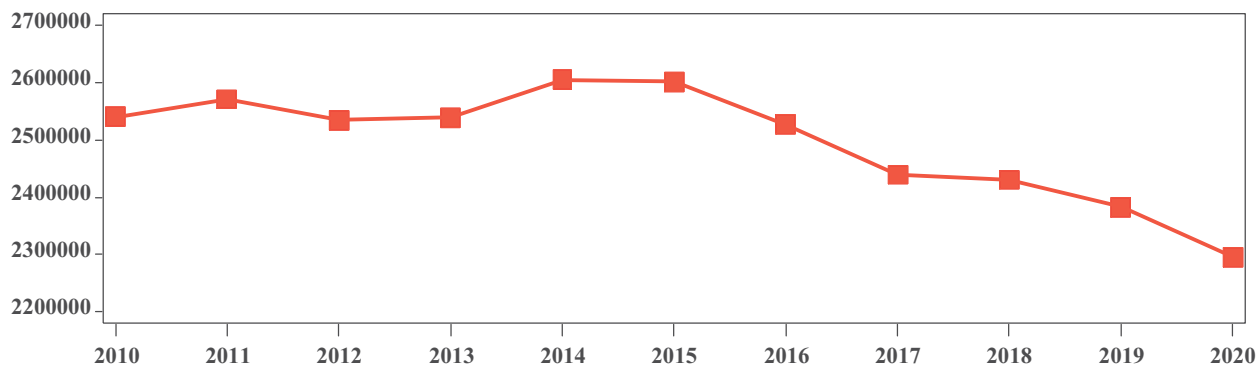
34,927 herds

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

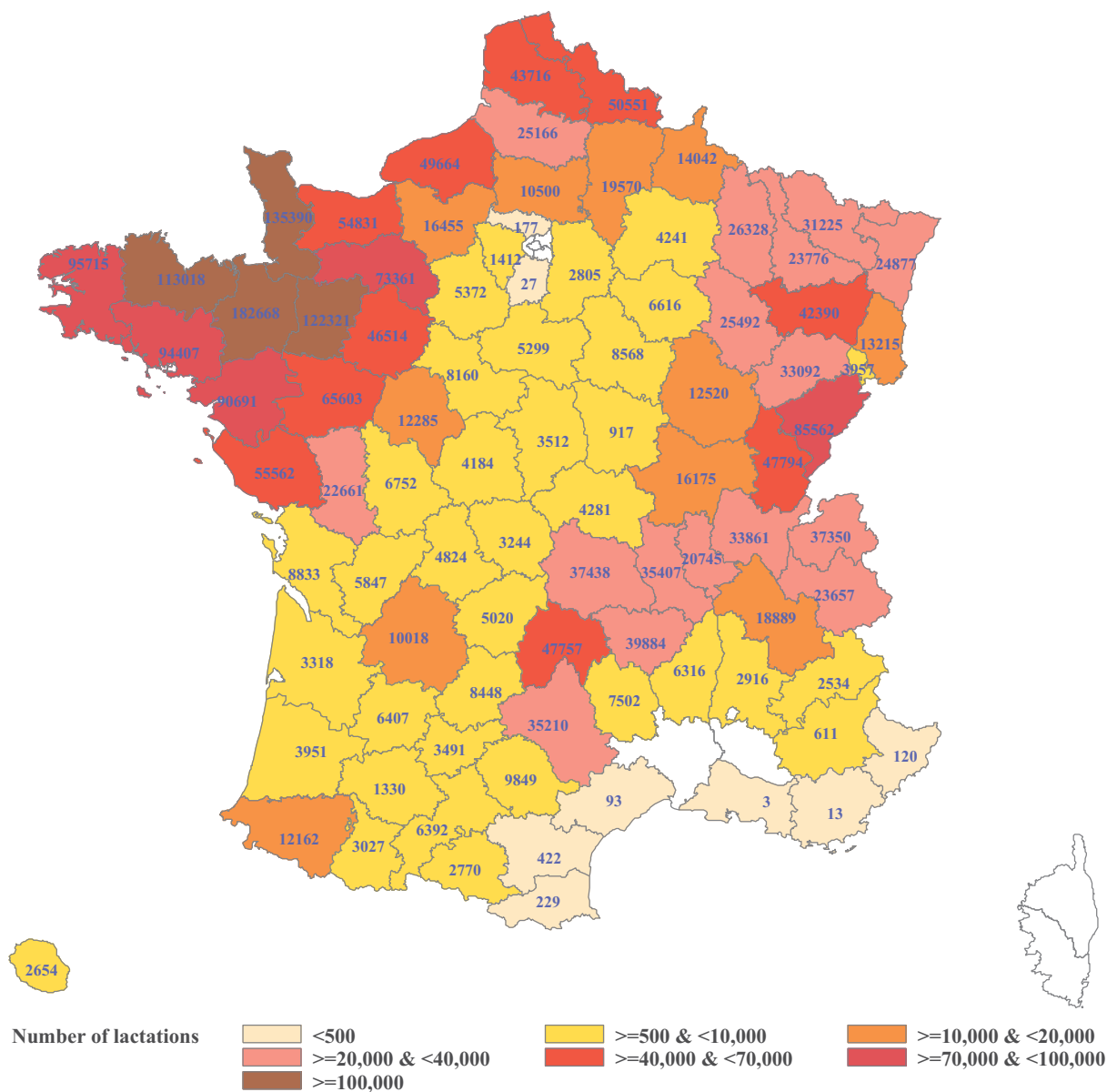


1.1.3.2 - Total number of terminated lactations

2,295,959 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	
	2017		2018		2019		2020			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%
2017	5,484	0.2	51,883	2.4	9,414	0.4	4,786	0.2	71,567	3.3
2018			6,353	0.3	177,754	8.1	135,886	6.2	319,993	14.5
2019					56,503	2.6	1,485,649	67.5	1,542,152	70.1
2020							266,940	12.1	266,940	12.1
<b>Overall total</b>	5,484	0.2	58,236	2.6	243,671	11.1	1,893,261	86.0	2,200,652	100

For example: 1,485,649 qualified lactations (that is to say 67.5 % of the overall total) match the following criteria: a calving date in 2019 a drying off date in 2020.



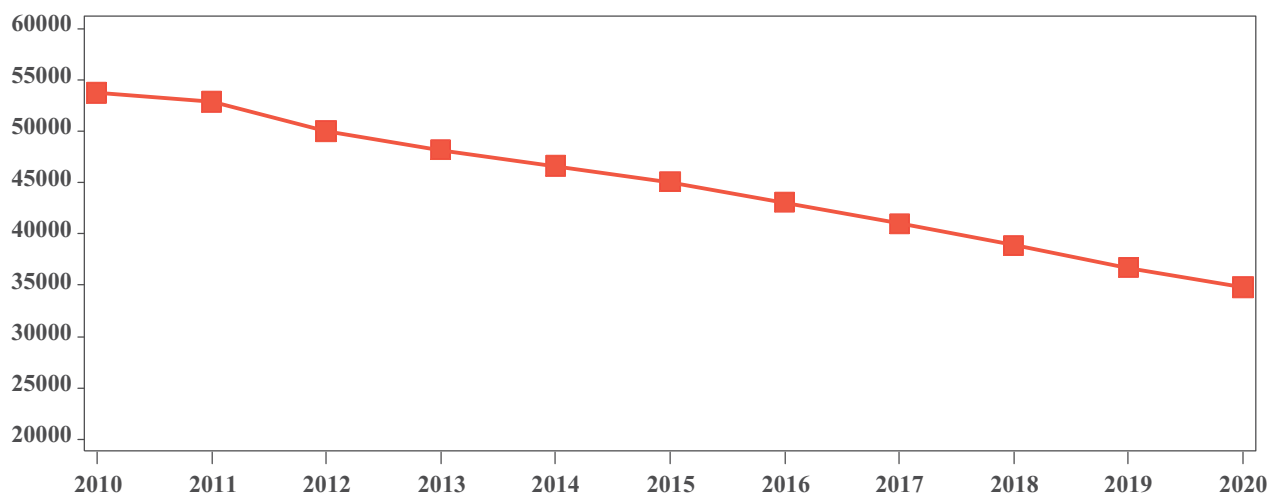


## 1.2.1 - Complete lactations

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

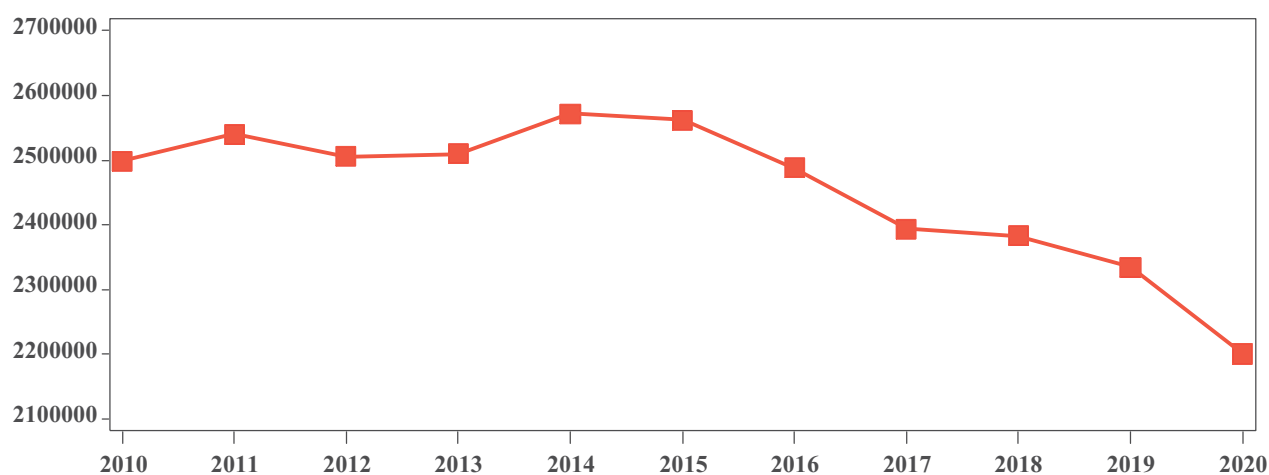
### 1.2.1.1 - Total number of herds which provided complete lactation results

34,793 herds



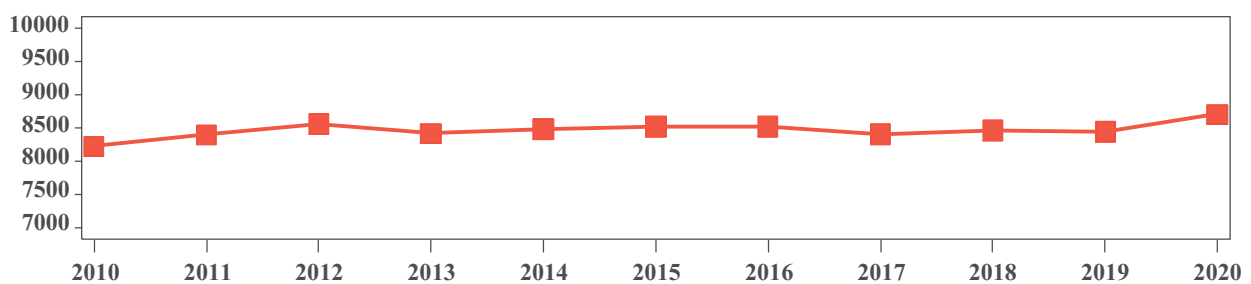
### 1.2.1.2 - Total number of complete lactations

2,200,652 lactations

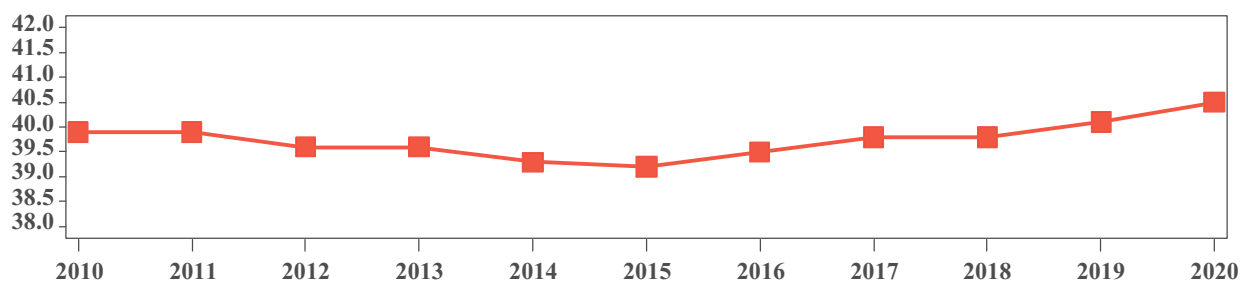


		2020	Variation 2020/2019	2019
Number of results		2,200,652	-134,267	2,334,919
Lactation duration	days	339	4	335
Milk yield	kg	8,707	261	8,446
Fat content	kg	353	15	338
Fat ‰	g/kg	40.5	0.4	40.1
True protein content	kg	286	12	274
True protein	g/kg	32.8	0.3	32.5
Protein ‰	g/kg	34.5	0.3	34.2
True protein + fat content	kg	638	25	613
True protein + fat ‰	g/kg	73.3	0.7	72.6

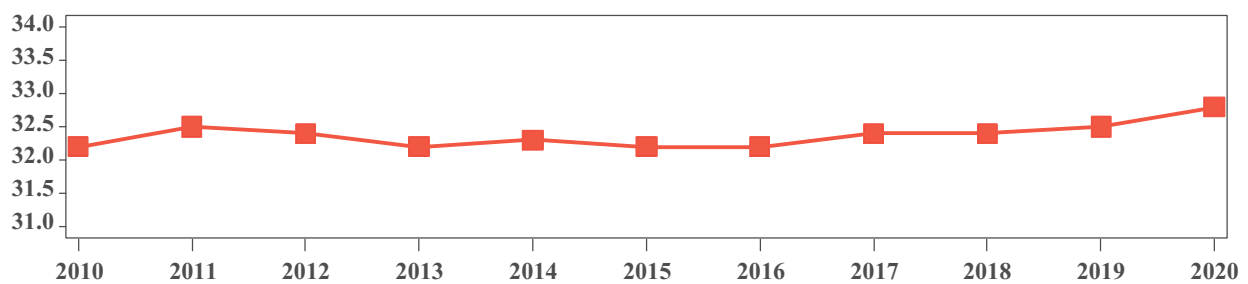
Milk yield – complete lactations - kg



Fat ‰ – complete lactations - g/kg

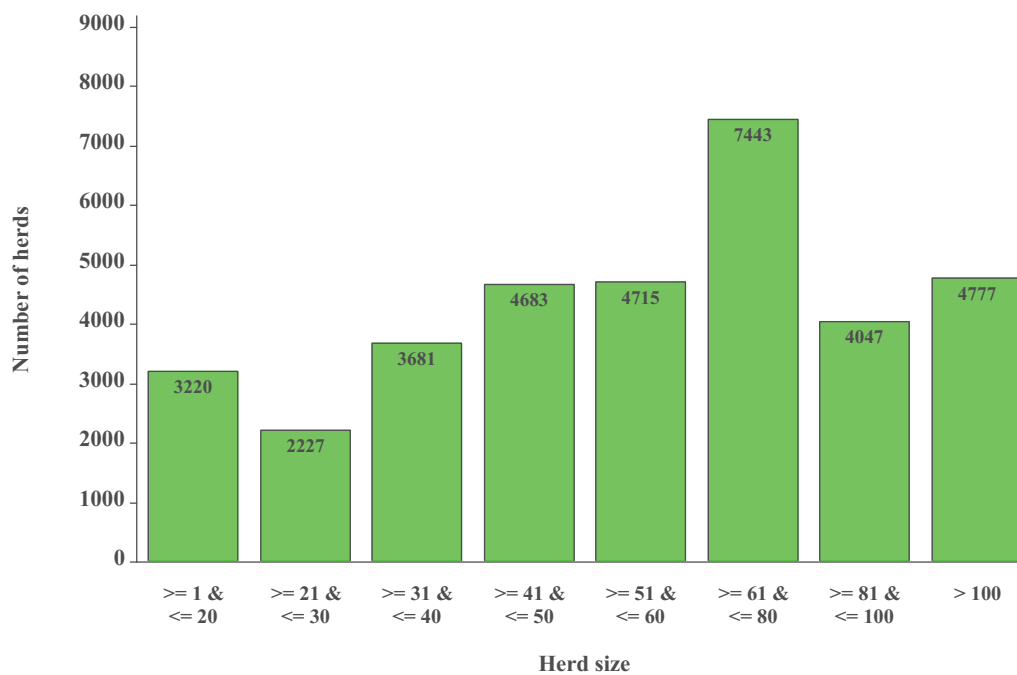


True protein ‰ – complete lactations - g/kg



## 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	3,220	9.3	25,383	1.2	7,251	39.9	32.3	330
>=21 & <=30	2,227	6.4	57,862	2.6	7,485	40.0	32.6	342
>=31 & <=40	3,681	10.6	131,751	6.0	7,880	40.1	32.7	343
>=41 & <=50	4,683	13.5	213,720	9.7	8,162	40.3	32.7	342
>=51 & <=60	4,715	13.6	261,414	11.9	8,511	40.5	32.8	343
>=61 & <=80	7,443	21.4	519,167	23.6	8,733	40.6	32.8	340
>=81 & <=100	4,047	11.6	362,129	16.5	8,882	40.6	32.8	338
>100	4,777	13.7	629,226	28.6	9,198	40.5	32.8	335
<b>Overall total</b>	<b>34,793</b>	<b>100</b>	<b>2,200,652</b>	<b>100</b>	<b>8,707</b>	<b>40.5</b>	<b>32.8</b>	<b>339</b>

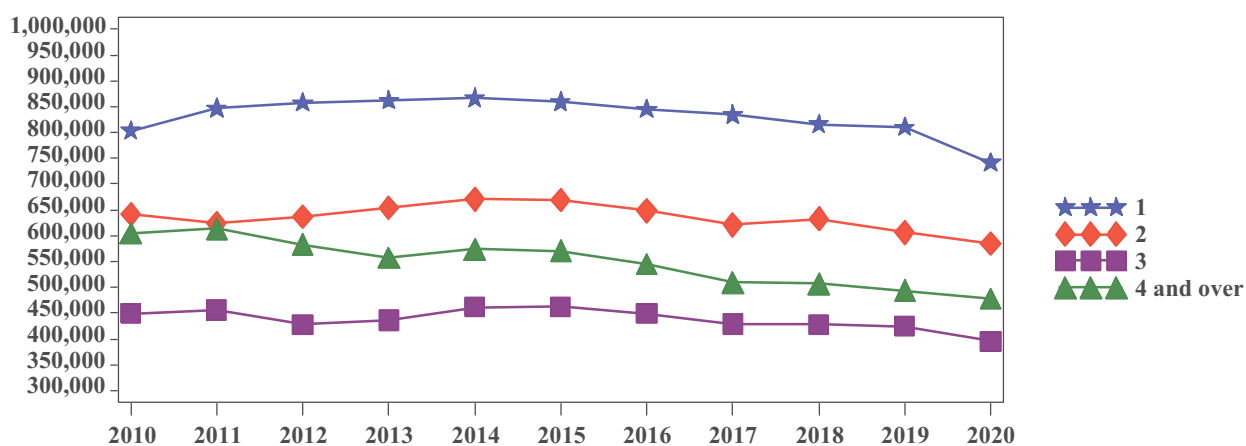


## 1.2.3 - Complete lactations per parity

### 1.2.3.1 - Number and percentage of results per parity

Parity	Number	%
1st lactation	742,038	33.7
2nd lactation	584,577	26.6
3rd lactation	395,795	18.0
4th lactation	247,278	11.2
5th lactation	129,852	5.9
6th lactation	60,314	2.7
7th lactation	24,900	1.1
Lactation 8 and over	15,898	0.7
<b>Overall total</b>	<b>2,200,652</b>	<b>100</b>

**Average parity** 2.5

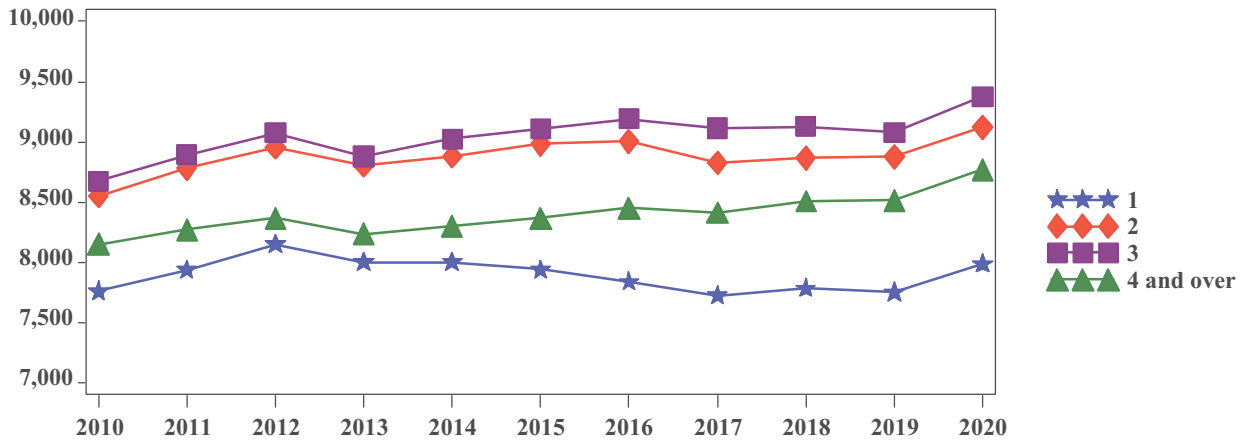


### 1.2.3.2 - Average results of complete lactations per parity (1st, 2nd, 3rd, 4th and over)

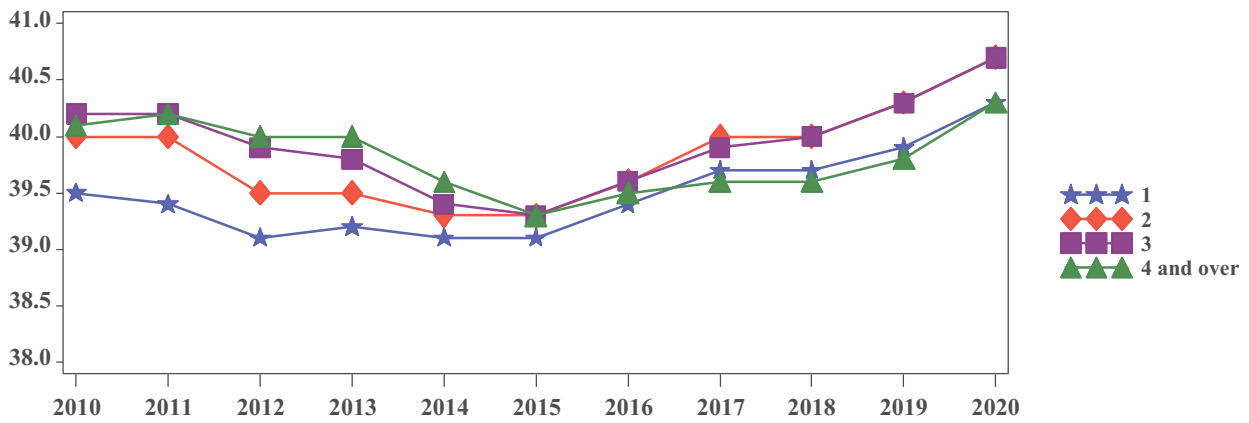
Parity		1	2	3	4 and over
Number of results		742,038	584,577	395,795	478,242
% of the results		33.7	26.6	18.0	21.7
Lactation duration	days	345	342	339	326
<b>Milk yield</b>	kg	<b>7,987</b>	<b>9,121</b>	<b>9,373</b>	<b>8,769</b>
Fat content	kg	322	371	381	353
<b>Fat %</b>	g/kg	<b>40.3</b>	<b>40.7</b>	<b>40.7</b>	<b>40.3</b>
True protein content	kg	263	302	306	284
<b>True protein %</b>	g/kg	<b>32.9</b>	<b>33.1</b>	<b>32.7</b>	<b>32.3</b>
True protein + fat content	kg	585	673	688	637
True protein + fat %	g/kg	73.3	73.8	73.4	72.6



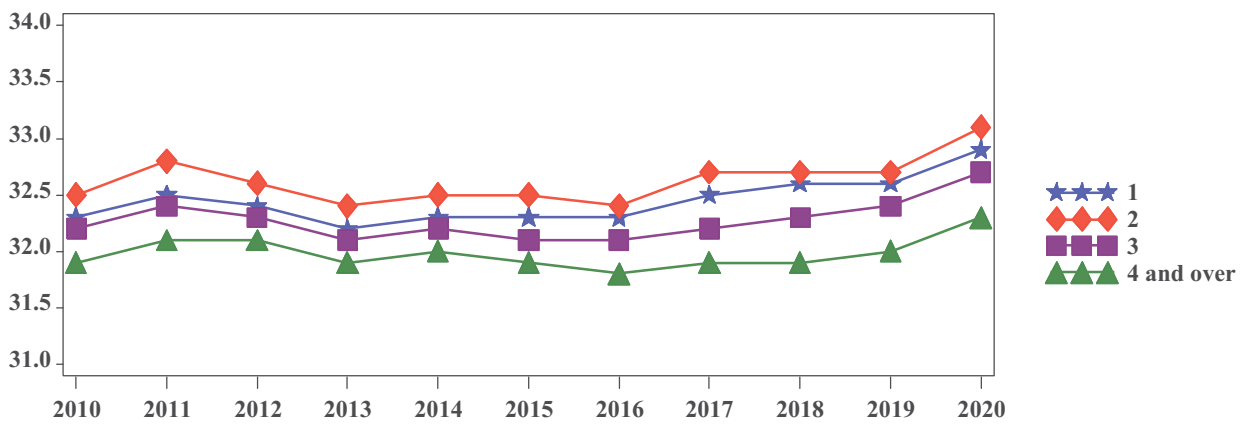
Milk yield – complete lactations - kg



Fat % – complete lactations - g/kg



True protein % – complete lactations - g/kg



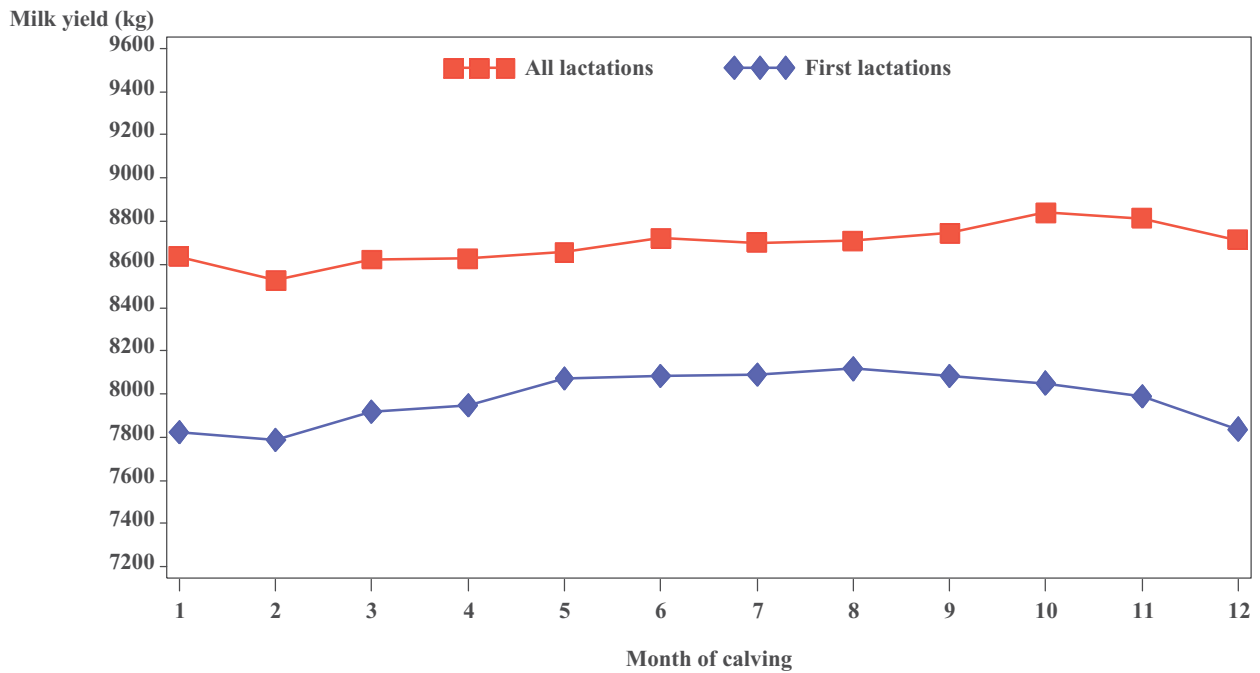
## 1.2.4 - Complete lactations per month of calving - all lactations and first lactations

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	185,083	8.4	334	8,636	347	40.1	281	32.5	627	72.6
February	146,961	6.7	334	8,527	342	40.2	278	32.6	620	72.7
March	145,365	6.6	342	8,623	347	40.2	281	32.6	628	72.8
April	123,551	5.6	343	8,626	349	40.4	282	32.7	630	73.1
May	133,403	6.1	342	8,658	351	40.6	283	32.7	634	73.3
June	148,897	6.8	340	8,722	356	40.8	287	32.9	642	73.6
July	174,162	7.9	339	8,701	355	40.9	288	33.1	643	74.0
August	206,348	9.4	340	8,711	356	40.9	289	33.2	645	74.1
September	249,856	11.4	342	8,746	357	40.8	289	33.1	646	73.9
October	241,049	11.0	341	8,840	359	40.6	291	32.9	650	73.5
November	230,130	10.5	337	8,814	355	40.3	288	32.7	643	73.0
December	215,847	9.8	334	8,712	349	40.1	283	32.5	633	72.6
<b>Overall total</b>	<b>2,200,652</b>	<b>100</b>	<b>339</b>	<b>8,707</b>	<b>353</b>	<b>40.5</b>	<b>286</b>	<b>32.8</b>	<b>638</b>	<b>73.3</b>

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	65,058	8.8	340	7,823	313	40.0	256	32.8	569	72.8
February	49,967	6.7	342	7,787	313	40.2	256	32.8	568	73.0
March	49,700	6.7	349	7,919	320	40.4	261	32.9	581	73.3
April	43,730	5.9	349	7,949	322	40.5	261	32.9	584	73.4
May	47,436	6.4	349	8,074	328	40.6	265	32.9	593	73.5
June	47,710	6.4	345	8,083	329	40.6	266	33.0	595	73.6
July	53,049	7.1	345	8,088	329	40.7	268	33.1	597	73.8
August	64,111	8.6	346	8,117	329	40.6	269	33.1	598	73.7
September	88,474	11.9	347	8,082	327	40.4	268	33.1	594	73.5
October	83,550	11.3	346	8,051	324	40.3	266	33.0	590	73.3
November	76,682	10.3	343	7,991	320	40.1	262	32.8	583	72.9
December	72,571	9.8	338	7,838	313	39.9	257	32.7	570	72.7
<b>Overall total</b>	<b>742,038</b>	<b>100</b>	<b>345</b>	<b>7,987</b>	<b>322</b>	<b>40.3</b>	<b>263</b>	<b>32.9</b>	<b>585</b>	<b>73.3</b>



## Milk yield per calving month – kg



### 1.2.5 - 305-d lactations (= reference lactations)

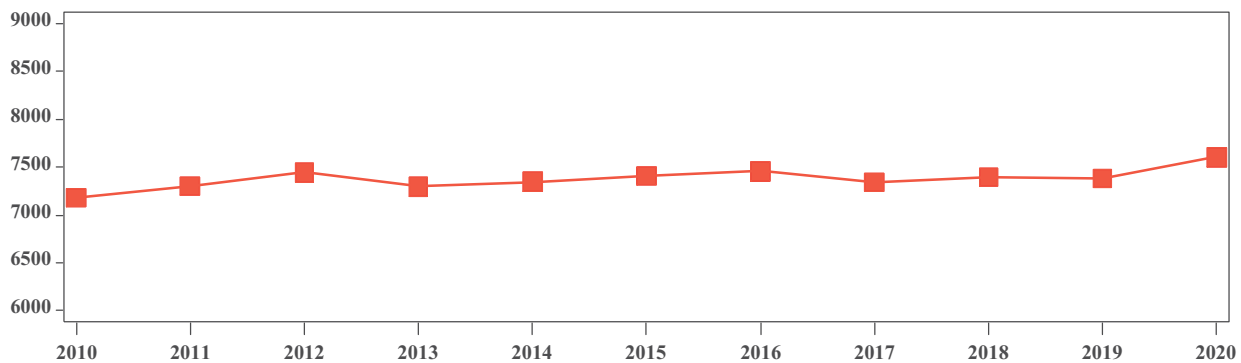
Two scenarios are possible for calculating the reference lactations:

- 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.

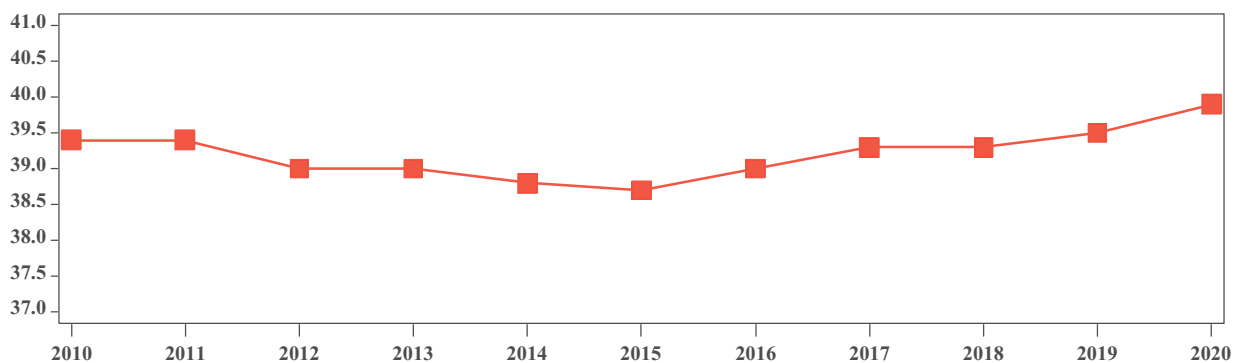
		2020	2019
<b>Milk yield</b>	kg	7,602	7,383
Fat content	kg	303	291
<b>Fat %</b>	g/kg	39.9	39.5
True protein content	kg	245	236
<b>True protein %</b>	g/kg	32.2	31.9
Fat + true protein content	kg	548	527
Fat + true protein %	g/kg	72.1	71.4



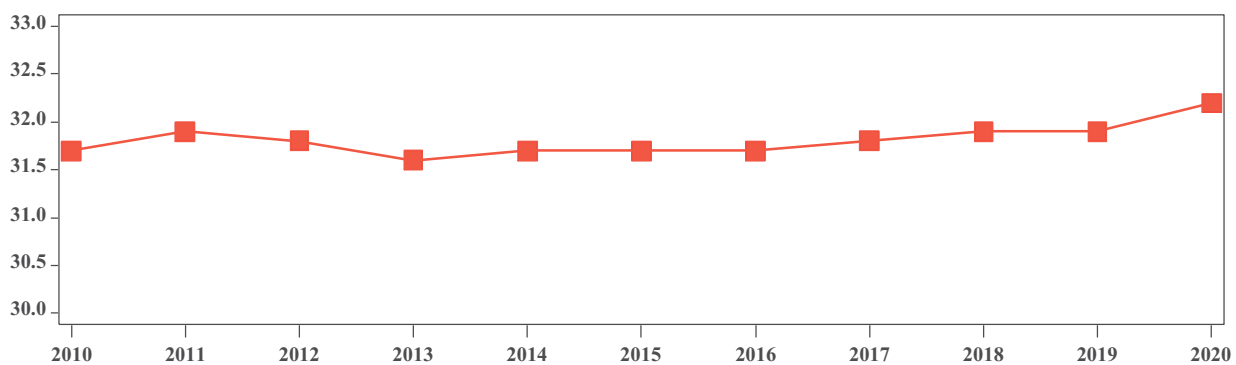
Milk yield - 305-d lactations - kg



Fat % - 305-d lactations - g/kg



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





## 1.2.6 - Adjusted lactations

Steps taken to obtain these results:

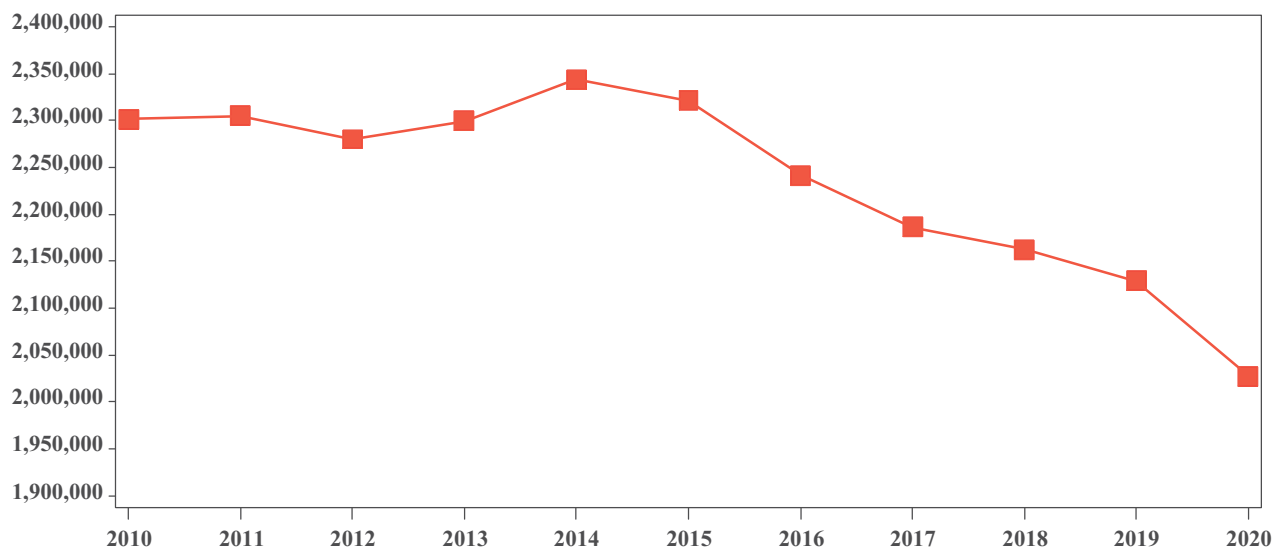
Firstly, exclusion of the lactations with duration lower than 200 days (representing 173,161 lactations, that is to say 7.9 % of the total number).

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):

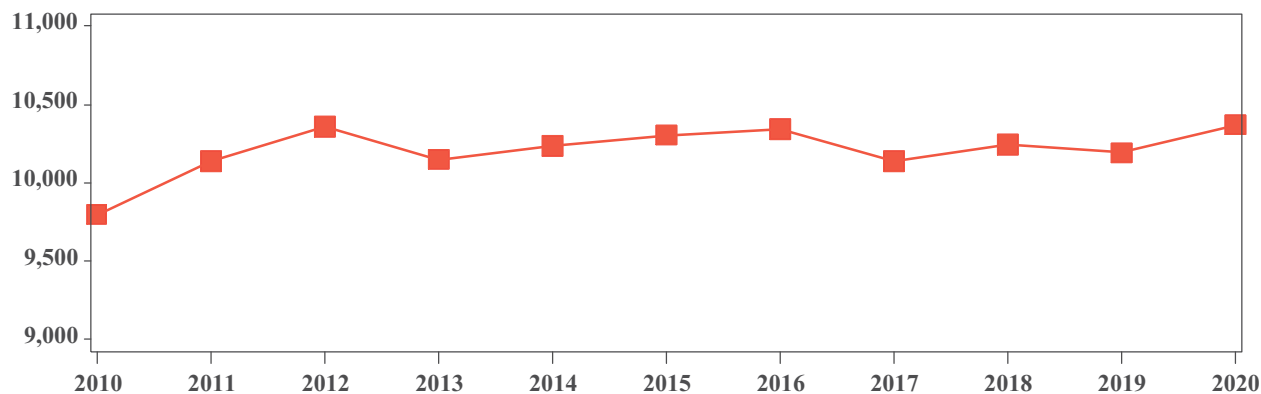
1.30 for 1st lactations ; 1.12 for 2nd lactations ; 1.03 for 3rd lactations ; 1.00 for lactations 4 and over.

		2020	2019
Complete lactations	<i>Nb</i>	2,200,652	2,334,919
<b>Adjusted lactations</b>	<i>Nb</i>	2,027,491	2,128,972
	%	92%	91%
Lactation duration	<i>days</i>	357	356
<b>Milk yield</b>	<i>kg</i>	10,370	10,193
Fat content	<i>kg</i>	420	409
<b>Fat %</b>	<i>g/kg</i>	40.5	40.1
True protein content	<i>kg</i>	341	332
<b>True protein %</b>	<i>g/kg</i>	32.9	32.6
Fat + true protein content	<i>kg</i>	761	740
Fat + true protein %	<i>g/kg</i>	73.4	72.6

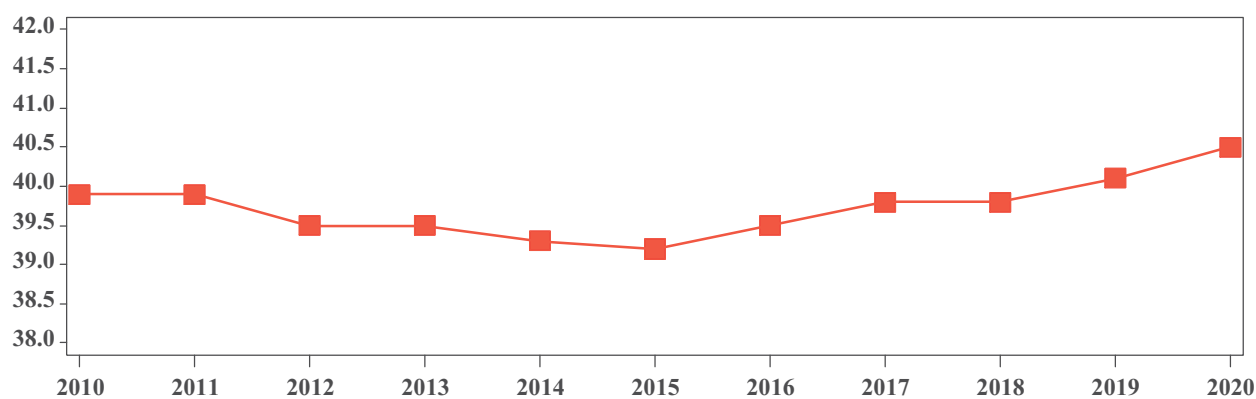
Number of adjusted lactations



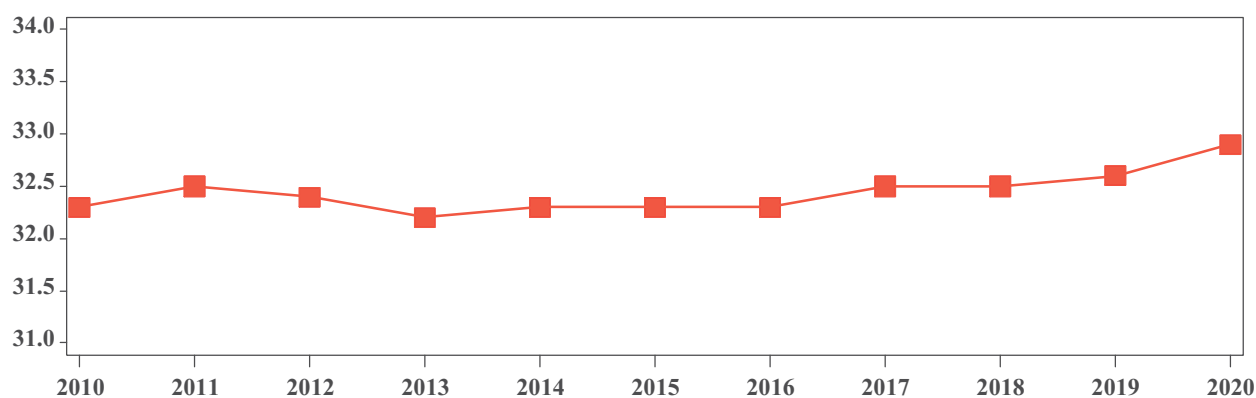
Milk yield - adjusted lactations - kg



Fat % - adjusted lactations - g/kg

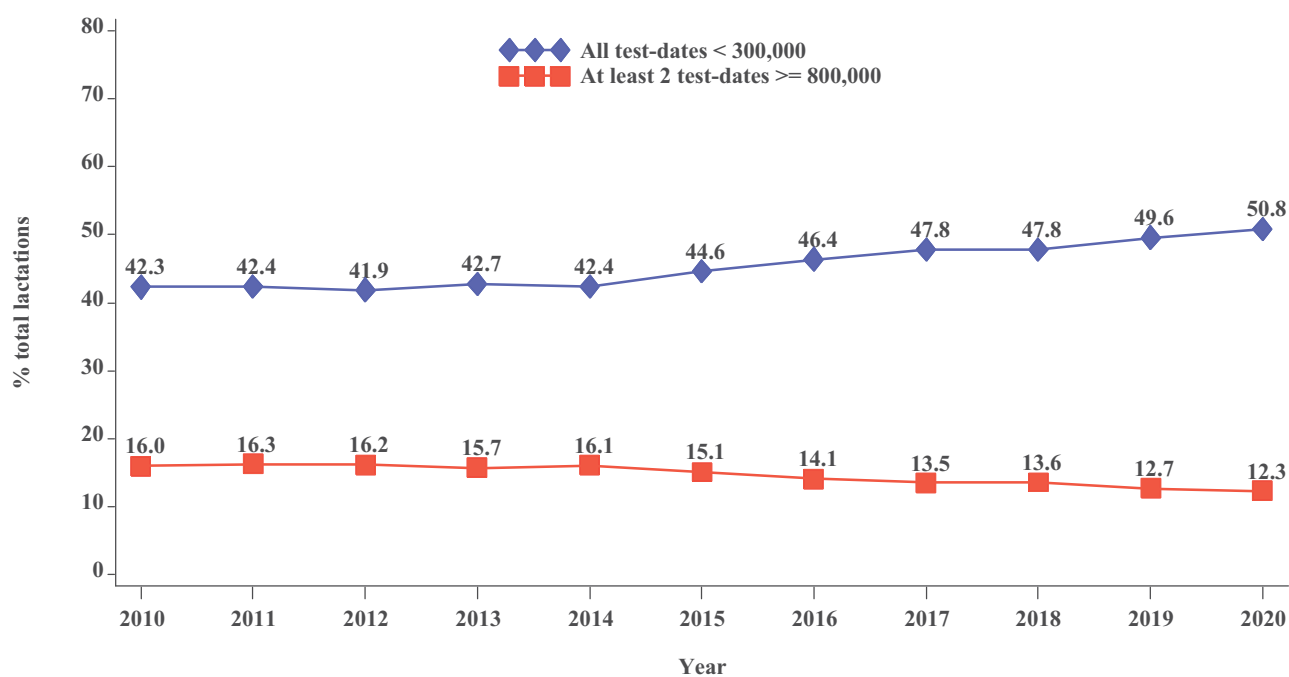


True protein % - adjusted lactations - g/kg



## 1.2.7 - Evolution of the individual cell count results

Year	Lactations with						Overall total
	At least 2 test-dates with cell count $\geq 800,000$		All the test-dates with cell count $< 300,000$		Intermediate somatic cell counts		
	Nb	%	Nb	%	Nb	%	
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
2020	271,132	12.3	1,117,590	50.8	811,930	36.9	2,200,652



Compared to 2019, the percentage of lactations with at least 2 test-dates  $>800,000$  cells decreases of -0.4% in 2020, whereas the percentage of lactations with all test-dates  $<300,000$  cells increases of 1.2%.



## 1.3 - Lactation qualification

### 1.3.1 - Qualified lactations per qualification method

Qualification method	Number of qualified lactations	%
A4	412,671	18.8
A5	245,603	11.2
A6	142,650	6.5
A7	115,811	5.3
A8	72,997	3.3
A9	61,024	2.8
AR*4	19,580	0.9
AR*5	12,734	0.6
AR*6	6,475	0.3
AR*7	7,474	0.3
AR*8	14,246	0.6
AR*9	5,527	0.3
AR4	6,351	0.3
AR5	4,041	0.2
AR6	2,146	0.1
AR7	3,084	0.1
AR8	7,826	0.4
AR9	1,194	0.1
AT*4	143,667	6.5
AT*5	102,147	4.6
AT*6	43,748	2.0
AT*7	28,517	1.3
AT*8	20,891	0.9
AT*9	25,526	1.2
AT4	70,777	3.2
AT5	49,860	2.3
AT6	32,621	1.5
AT7	8,462	0.4
AT8	20,961	1.0
AT9	7,660	0.3
B4	90,342	4.1
B5	59,361	2.7
B6	27,024	1.2
B7	16,594	0.8
B8	13,641	0.6
B9	8,834	0.4
BR4	14,866	0.7
BR5	10,134	0.5
BR6	7,937	0.4
BR7	10,403	0.5
BR8	20,551	0.9
BR9	2,380	0.1



## Qualified lactations per qualification method (cont.)

Qualification method	Number of qualified lactations	%
BR*4	33,881	1.5
BR*5	28,934	1.3
BR*6	17,154	0.8
BR*7	13,612	0.6
BR*8	28,056	1.3
BR*9	8,544	0.4
BT*4	7,831	0.4
BT*5	6,120	0.3
BT*6	2,482	0.1
BT*7	1,148	0.1
BT*8	757	0.0
BT*9	1,558	0.1
BT4	2,889	0.1
BT5	1,758	0.1
BT6	1,425	0.1
BT7	127	0.0
BT8	1,529	0.1
BT9	496	0.0
BZ*4	5,169	0.2
BZ*5	2,846	0.1
BZ*6	1,363	0.1
BZ*7	421	0.0
BZ*8	381	0.0
BZ*9	555	0.0
BZ4	1,209	0.1
BZ5	687	0.0
BZ6	536	0.0
BZ7	89	0.0
BZ8	352	0.0
BZ9	84	0.0
CZ*4	13,027	0.6
CZ*5	6,880	0.3
CZ*6	3,983	0.2
CZ*7	2,813	0.1
CZ*8	2,410	0.1
CZ*9	1,651	0.1
CZ4	8,672	0.4
CZ5	4,267	0.2
CZ6	3,043	0.1
CZ7	871	0.0
CZ8	1,744	0.1
CZ9	960	0.0
<b>Total</b>	<b>2,200,652</b>	<b>100</b>



### 1.3.2 - Qualified lactations per milk recording method

Method	All protocols		Protocols																					
	Num	%Meth	A		AR et AR*			AT et AT*			B		BR et BR*			BT et BT*			BZ et BZ*			CZ et CZ*		
			Num	%A	Num	%AR	%AR*	Num	%AT	%AT*	Num	%A	Num	%BR	%BR*	Num	%BT	%BT*	Num	%BZ	%BZ*	Num	%CZ	%CZ*
4	830,932	37.8	412,671	18.8	25,931	0.3	0.9	214,444	3.2	6.5	90,342	4.1	48,747	0.7	1.5	10,720	0.1	0.4	6,378	0.1	0.2	21,699	0.4	0.6
5	535,372	24.3	245,603	11.2	16,775	0.2	0.6	152,007	2.3	4.6	59,361	2.7	39,068	0.5	1.3	7,878	0.1	0.3	3,533	0.0	0.1	11,147	0.2	0.3
6	292,587	13.3	142,650	6.5	8,621	0.1	0.3	76,369	1.5	2.0	27,024	1.2	25,091	0.4	0.8	3,907	0.1	0.1	1,899	0.0	0.1	7,026	0.1	0.2
7	209,426	9.5	115,811	5.3	10,558	0.1	0.3	36,979	0.4	1.3	16,594	0.8	24,015	0.5	0.6	1,275	0.0	0.1	510	0.0	0.0	3,684	0.0	0.1
8	206,342	9.4	72,997	3.3	22,072	0.4	0.6	41,852	1.0	0.9	13,641	0.6	48,607	0.9	1.3	2,286	0.1	0.0	733	0.0	0.0	4,154	0.1	0.1
9	125,993	5.7	61,024	2.8	6,721	0.1	0.3	33,186	0.3	1.2	8,834	0.4	10,924	0.1	0.4	2,054	0.0	0.1	639	0.0	0.0	2,611	0.0	0.1
<b>Total</b>	<b>2,200,652</b>	<b>100.0</b>	<b>1,050,756</b>	<b>47.7</b>	<b>90,678</b>	<b>1.1</b>	<b>3.0</b>	<b>554,837</b>	<b>8.6</b>	<b>16.6</b>	<b>215,796</b>	<b>9.8</b>	<b>196,452</b>	<b>3.0</b>	<b>5.9</b>	<b>28,120</b>	<b>0.4</b>	<b>0.9</b>	<b>13,692</b>	<b>0.1</b>	<b>0.5</b>	<b>50,321</b>	<b>0.9</b>	<b>1.4</b>

### 1.3.3 - Qualified lactations per milk recording protocol

Protocols	All methods		Méthods											
	Nb	%Meth	4		5		6		7		8		9	
			Num	%A	Num	%A	Num	%A	Num	%A	Num	%A	Num	%A
A	1,050,756	47.7	412,671	18.8	245,603	11.2	142,650	6.5	115,811	5.3	72,997	3.3	61,024	2.8
AR	24,642	1.1	6,351	0.3	4,041	0.2	2,146	0.1	3,084	0.1	7,826	0.4	1,194	0.1
AR*	66,036	3.0	19,580	0.9	12,734	0.6	6,475	0.3	7,474	0.3	14,246	0.6	5,527	0.3
AT	190,341	8.6	70,777	3.2	49,860	2.3	32,621	1.5	8,462	0.4	20,961	1.0	7,660	0.3
AT*	364,496	16.6	143,667	6.5	102,147	4.6	43,748	2.0	28,517	1.3	20,891	0.9	25,526	1.2
B	215,796	9.8	90,342	4.1	59,361	2.7	27,024	1.2	16,594	0.8	13,641	0.6	8,834	0.4
BR	66,271	3.0	14,866	0.7	10,134	0.5	7,937	0.4	10,403	0.5	20,551	0.9	2,380	0.1
BR*	130,181	5.9	33,881	1.5	28,934	1.3	17,154	0.8	13,612	0.6	28,056	1.3	8,544	0.4
BT	8,224	0.4	2,889	0.1	1,758	0.1	1,425	0.1	127	0.0	1,529	0.1	496	0.0
BT*	19,896	0.9	7,831	0.4	6,120	0.3	2,482	0.1	1,148	0.1	757	0.0	1,558	0.1
BZ	2,957	0.1	1,209	0.1	687	0.0	536	0.0	89	0.0	352	0.0	84	0.0
BZ*	10,735	0.5	5,169	0.2	2,846	0.1	1,363	0.1	421	0.0	381	0.0	555	0.0
CZ	19,557	0.9	8,672	0.4	4,267	0.2	3,043	0.1	871	0.0	1,744	0.1	960	0.0
CZ*	30,764	1.4	13,027	0.6	6,880	0.3	3,983	0.2	2,813	0.1	2,410	0.1	1,651	0.1
<b>Total</b>	<b>2,200,652</b>	<b>100.0</b>	<b>830,932</b>	<b>37.8</b>	<b>535,372</b>	<b>24.3</b>	<b>292,587</b>	<b>13.3</b>	<b>209,426</b>	<b>9.5</b>	<b>206,342</b>	<b>9.4</b>	<b>125,993</b>	<b>5.7</b>



### 1.3.4 - Distribution of non-qualified lactations by cause of non-qualification

Cause of non-qualification	Number of non-qualified lactations	%
1 - Interval too long between calving and 1st test-date		
2 - Over 2 test-dates without milk record		
3 - Over 3 test-dates without fat or true protein rate		
4 - Not allowed interval between 2 test-dates		
5 - Over one interval between 2 test-dates particularly long		
6 - Over 3 long intervals between 2 test-dates		
7 - Average interval between 2 test-dates too long		
A - Interval between calving and 1st test-date > 95 days		
B - Less than 3 complete test-dates during 305 days of lactation.		
C - Interval between complete test-days > 95 days		
D - Average interval between all test-days over 305 lactation days >= 75 days		
Overall total		

**Proportion of new MR contracts in not qualified lactations for the cause NQ = 1**

22.3%

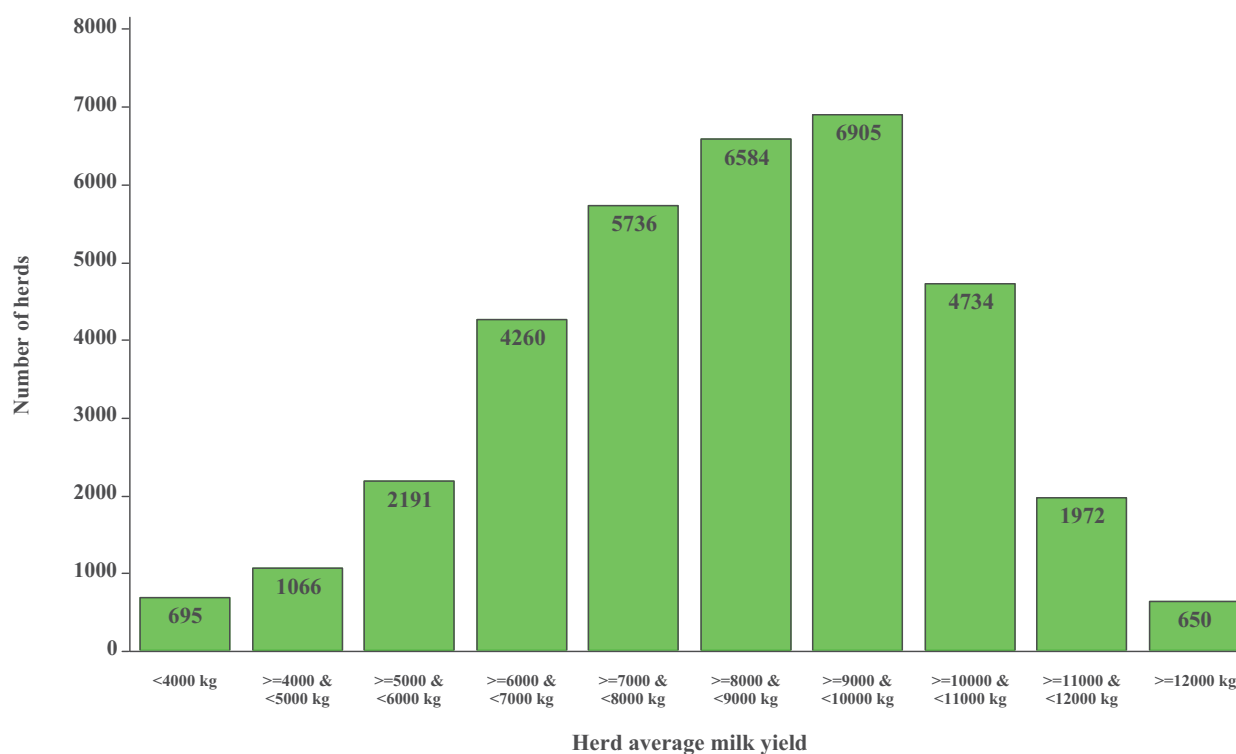
**Proportion of new MR contracts in not qualified lactations for the cause NQ = A**

26.2%



## 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	695		16,318	0.7	3,331	39.6	32.3	262	3,136	419
≥4000 & <5000 kg	1,066		40,433	1.8	4,573	39.2	32.4	291	4,248	412
≥5000 & <6000 kg	2,191		98,191	4.5	5,570	39.7	32.5	310	5,081	411
≥6000 & <7000 kg	4,260		227,562	10.3	6,564	39.9	32.9	318	5,950	409
≥7000 & <8000 kg	5,736		343,026	15.6	7,522	40.3	33.0	328	6,724	410
≥8000 & <9000 kg	6,584		436,752	19.8	8,514	40.7	32.8	337	7,493	414
≥9000 & <10000 kg	6,905		504,984	22.9	9,488	40.7	32.7	345	8,255	415
≥10000 & <11000 kg	4,734		351,497	16.0	10,446	40.6	32.7	356	8,940	418
≥11000 & <12000 kg	1,972		143,461	6.5	11,411	40.4	32.8	370	9,553	422
≥12000 kg	650		38,428	1.7	12,584	40.0	32.8	388	10,248	427
<b>Overall total</b>	<b>34,793</b>		<b>2,200,652</b>	<b>100</b>	<b>8,707</b>	<b>40.5</b>	<b>32.8</b>	<b>339</b>	<b>7,602</b>	<b>414</b>



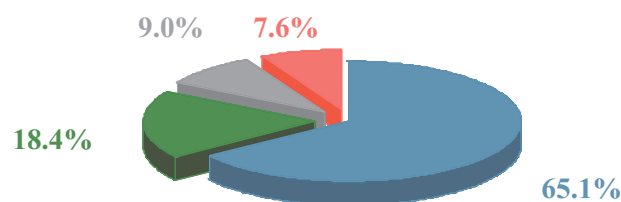


## II - RESULTS PER BREED

### 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	Calving Interval days *
66	Prim'Holstein	1,432,267	348	9,495	385	40.6	308	32.4	693	73.0	420
46	Montbéliarde	404,093	317	7,503	294	39.1	250	33.4	544	72.5	401
56	Normande	166,515	333	6,835	292	42.7	239	35.0	531	77.7	408
39	Crossbred	109,908	329	7,740	315	40.7	254	32.9	569	73.6	408
12	Abondance	23,727	300	5,585	203	36.3	185	33.2	388	69.5	406
21	Brune	16,162	347	7,692	325	42.2	266	34.6	591	76.9	428
35	Simmental Française	15,571	316	6,657	270	40.5	227	34.1	496	74.6	397
15	Jersiaise	10,398	332	5,215	294	56.3	203	38.9	497	95.2	413
19	Pie Rouge des Plaines	8,702	338	8,124	352	43.3	275	33.8	626	77.1	412
31	Tarentaise	8,672	281	4,352	161	36.9	142	32.6	303	69.6	402
57	Vosgienne	1,393	283	4,063	151	37.3	129	31.7	280	69.0	401
23	Salers	980	227	2,289	78	34.0	75	33.0	153	67.0	373
63	Rouge Flamande	826	308	5,505	219	39.8	180	32.8	399	72.5	390
52	Bleue du Nord	548	284	4,837	182	37.7	154	31.9	337	69.6	384
29	Bretonne Pie Noire	183	254	2,366	104	43.9	78	32.9	182	76.7	393
14	Aubrac	144	196	2,036	81	39.8	71	34.7	152	74.5	394
18	Ayrshire	122	330	7,320	352	48.1	227	31.0	579	79.1	427
65	Ferrandaise	102	252	2,791	105	37.5	90	32.1	194	69.6	401
53	Villard de Lans	63	255	3,130	126	40.2	101	32.2	227	72.4	406
69	Froment du Léon	54	245	2,428	105	43.1	80	33.1	185	76.2	378
20	Buffle	53	226	1,702	125	73.5	76	44.4	201	117.9	373
	Other breeds	169	272	4,644	196	42.1	156	33.5	351	75.7	441
	<b>Overall total</b>	<b>2,200,652</b>	<b>339</b>	<b>8,707</b>	<b>353</b>	<b>40.5</b>	<b>286</b>	<b>32.8</b>	<b>638</b>	<b>73.3</b>	<b>414</b>

\* The calculation of the mean calving interval is carried out with the data of the multiparous only. For the main breeds, the calving interval is given by parity at chapter 2.6 - Detailed results per breed.



■ Prim'Holstein    
 ■ Normande    
 ■ Montbéliarde    
 ■ Other breeds



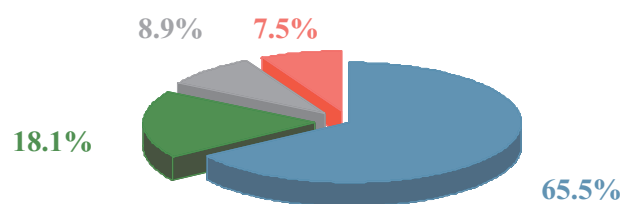
## 2.2 - Reference lactations (305-d) - all lactations

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	1,432,267	<b>8,181</b>	327	<b>39.9</b>	<b>260</b>	<b>31.8</b>	587	<b>71.7</b>
46	Montbéliarde	404,093	<b>6,836</b>	265	<b>38.7</b>	<b>226</b>	<b>33.0</b>	490	<b>71.7</b>
56	Normande	166,515	<b>6,041</b>	254	<b>42.1</b>	<b>208</b>	<b>34.5</b>	463	<b>76.6</b>
39	Crossbred	109,908	<b>6,853</b>	275	<b>40.2</b>	<b>222</b>	<b>32.4</b>	497	<b>72.5</b>
12	Abondance	23,727	<b>5,249</b>	189	<b>36.1</b>	<b>173</b>	<b>32.9</b>	362	<b>69.0</b>
21	Brune	16,162	<b>6,602</b>	275	<b>41.6</b>	<b>225</b>	<b>34.1</b>	499	<b>75.6</b>
35	Simmental Française	15,571	<b>6,117</b>	245	<b>40.1</b>	<b>206</b>	<b>33.7</b>	451	<b>73.8</b>
15	Jersiaise	10,398	<b>4,611</b>	255	<b>55.4</b>	<b>177</b>	<b>38.3</b>	432	<b>93.7</b>
19	Pie Rouge des Plaines	8,702	<b>7,217</b>	308	<b>42.7</b>	<b>240</b>	<b>33.2</b>	548	<b>75.9</b>
31	Tarentaise	8,672	<b>4,183</b>	154	<b>36.7</b>	<b>136</b>	<b>32.4</b>	289	<b>69.2</b>
57	Vosgienne	1,393	<b>3,894</b>	144	<b>37.1</b>	<b>123</b>	<b>31.5</b>	267	<b>68.6</b>
23	Salers	980	<b>2,284</b>	78	<b>34.0</b>	<b>75</b>	<b>33.0</b>	153	<b>67.0</b>
63	Rouge Flamande	826	<b>5,087</b>	201	<b>39.4</b>	<b>165</b>	<b>32.4</b>	366	<b>71.9</b>
52	Bleue du Nord	548	<b>4,601</b>	172	<b>37.4</b>	<b>146</b>	<b>31.6</b>	318	<b>69.1</b>
29	Bretonne Pie Noire	183	<b>2,274</b>	99	<b>43.6</b>	<b>74</b>	<b>32.7</b>	174	<b>76.3</b>
14	Aubrac	144	<b>2,006</b>	80	<b>39.7</b>	<b>69</b>	<b>34.6</b>	149	<b>74.4</b>
18	Ayrshire	122	<b>6,615</b>	319	<b>48.3</b>	<b>202</b>	<b>30.6</b>	522	<b>78.9</b>
65	Ferrandaise	102	<b>2,732</b>	102	<b>37.4</b>	<b>87</b>	<b>32.0</b>	189	<b>69.3</b>
53	Villard de Lans	63	<b>3,063</b>	123	<b>40.1</b>	<b>98</b>	<b>32.1</b>	221	<b>72.1</b>
69	Froment du Léon	54	<b>2,406</b>	104	<b>43.1</b>	<b>79</b>	<b>33.0</b>	183	<b>76.1</b>
20	Buffle	53	<b>1,669</b>	122	<b>73.3</b>	<b>74</b>	<b>44.3</b>	196	<b>117.6</b>
	Other breeds	169	<b>4,355</b>	182	<b>41.8</b>	<b>145</b>	<b>33.2</b>	327	<b>75.0</b>
	<b>Overall total</b>	<b>2,200,652</b>	<b>7,602</b>	<b>303</b>	<b>39.9</b>	<b>245</b>	<b>32.2</b>	<b>548</b>	<b>72.1</b>



## 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	1,328,193	365	<b>11,310</b>	459	<b>40.6</b>	367	<b>32.5</b>	826	<b>73.1</b>
46	Montbéliarde	367,034	336	<b>8,845</b>	347	<b>39.2</b>	296	<b>33.5</b>	643	<b>72.6</b>
56	Normande	152,474	352	<b>8,186</b>	350	<b>42.8</b>	287	<b>35.1</b>	637	<b>77.9</b>
39	Crossbred	100,117	348	<b>9,271</b>	378	<b>40.7</b>	305	<b>32.9</b>	683	<b>73.7</b>
12	Abondance	21,248	318	<b>6,524</b>	237	<b>36.4</b>	217	<b>33.3</b>	454	<b>69.7</b>
21	Brune	14,970	364	<b>9,091</b>	384	<b>42.3</b>	316	<b>34.7</b>	700	<b>77.0</b>
35	Simmental Française	14,350	332	<b>7,779</b>	316	<b>40.6</b>	266	<b>34.1</b>	581	<b>74.7</b>
15	Jersiaise	9,619	349	<b>6,116</b>	345	<b>56.4</b>	238	<b>39.0</b>	583	<b>95.4</b>
19	Pie Rouge des Plaines	8,198	351	<b>9,425</b>	408	<b>43.3</b>	319	<b>33.9</b>	727	<b>77.2</b>
31	Tarentaise	7,488	303	<b>5,224</b>	193	<b>37.0</b>	171	<b>32.8</b>	365	<b>69.8</b>
57	Vosgienne	1,202	306	<b>4,854</b>	181	<b>37.4</b>	154	<b>31.8</b>	336	<b>69.1</b>
23	Salers	751	257	<b>2,778</b>	96	<b>34.4</b>	92	<b>33.1</b>	188	<b>67.5</b>
63	Rouge Flamande	739	329	<b>6,566</b>	262	<b>39.8</b>	216	<b>32.9</b>	477	<b>72.7</b>
52	Bleue du Nord	461	309	<b>5,909</b>	224	<b>37.9</b>	189	<b>32.0</b>	413	<b>69.9</b>
29	Bretonne Pie Noire	130	299	<b>3,070</b>	135	<b>44.1</b>	102	<b>33.2</b>	237	<b>77.3</b>
18	Ayrshire	112	349	<b>8,512</b>	409	<b>48.1</b>	264	<b>31.1</b>	674	<b>79.1</b>
65	Ferrandaise	83	271	<b>3,296</b>	125	<b>37.9</b>	106	<b>32.3</b>	231	<b>70.2</b>
14	Aubrac	67	277	<b>3,495</b>	140	<b>40.1</b>	122	<b>34.8</b>	262	<b>74.9</b>
53	Villard de Lans	50	286	<b>3,947</b>	159	<b>40.2</b>	127	<b>32.3</b>	286	<b>72.5</b>
69	Froment du Léon	39	275	<b>2,943</b>	127	<b>43.0</b>	97	<b>32.9</b>	223	<b>75.9</b>
20	Buffle	38	260	<b>2,175</b>	161	<b>73.9</b>	97	<b>44.7</b>	258	<b>118.5</b>
	Other breeds	128	314	<b>6,499</b>	276	<b>42.5</b>	219	<b>33.7</b>	495	<b>76.2</b>
	<b>Overall total</b>	<b>2,027,491</b>	<b>357</b>	<b>10,370</b>	<b>420</b>	<b>40.5</b>	<b>341</b>	<b>32.9</b>	<b>761</b>	<b>73.4</b>



■ 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	1,432,267	9,284	370	39.9	295	31.8	33.5
46	Montbéliarde	404,093	7,604	294	38.7	251	33.0	34.8
56	Normande	166,515	6,845	288	42.1	236	34.5	36.3
39	Crossbred	109,908	7,737	311	40.2	250	32.4	34.1
12	Abondance	23,727	5,771	208	36.1	190	32.9	34.6
21	Brune	16,162	7,423	309	41.6	253	34.1	35.8
35	Simmental Française	15,571	6,812	273	40.1	230	33.7	35.5
15	Jersiaise	10,398	5,151	285	55.3	197	38.3	40.3
19	Pie Rouge des Plaines	8,702	8,064	344	42.7	268	33.3	35.0
31	Tarentaise	8,672	4,647	171	36.8	151	32.5	34.2
57	Vosgienne	1,393	4,280	159	37.1	135	31.5	33.2
23	Salers	980	2,464	84	34.1	81	33.0	34.7
63	Rouge Flamande	826	5,694	225	39.4	185	32.5	34.2
52	Bleue du Nord	548	5,162	194	37.5	164	31.7	33.4
29	Bretonne Pie Noire	183	2,493	109	43.6	82	32.7	34.4
14	Aubrac	144	2,281	91	39.9	79	34.6	36.5
18	Ayrshire	122	7,283	352	48.3	223	30.6	32.2
65	Ferrandaïse	102	3,006	113	37.5	96	32.0	33.7
53	Villard de Lans	63	3,388	136	40.1	109	32.1	33.8
69	Froment du Léon	54	2,588	111	43.1	85	33.0	34.7
20	Buffle	53	1,807	132	73.0	80	44.3	46.6
	Other breeds	169	5,155	216	42.0	172	33.3	35.1
	<b>Overall Total</b>	<b>2,200,652</b>	<b>8,591</b>	<b>343</b>	<b>39.9</b>	<b>277</b>	<b>32.2</b>	<b>33.9</b>

\*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 <sup>1</sup>		Lactations of pure-bred herds <sup>1</sup>	
			<i>Nb</i>	%	<i>Nb</i>	%
Prim'Holstein	26,767	1,432,267	19,332	72.2	1,234,425	86.2
Montbéliarde	11,768	404,093	5,973	50.8	329,200	81.5
Normande	6,022	166,515	1,603	26.6	97,194	58.4
Abondance	1,164	23,727	371	31.9	14,665	61.8
Brune	1,550	16,162	128	8.3	6,729	41.6
Simmental Française	852	15,571	190	22.3	10,422	66.9
Jersiaise	860	10,398	71	8.3	4,355	41.9
Pie Rouge des Plaines	892	8,702	59	6.6	3,118	35.8
Tarentaise	477	8,672	113	23.7	5,515	63.6
Vosgienne	198	1,393	38	19.2	911	65.4
Salers	32	980	26	81.3	961	98.1
Rouge Flamande	90	826	8	8.9	335	40.6
Bleue du Nord	43	548	3	7.0	169	30.8
Bretonne Pie Noire	21	183	8	38.1	135	73.8
Ferrandaise	10	102	3	30.0	85	83.3

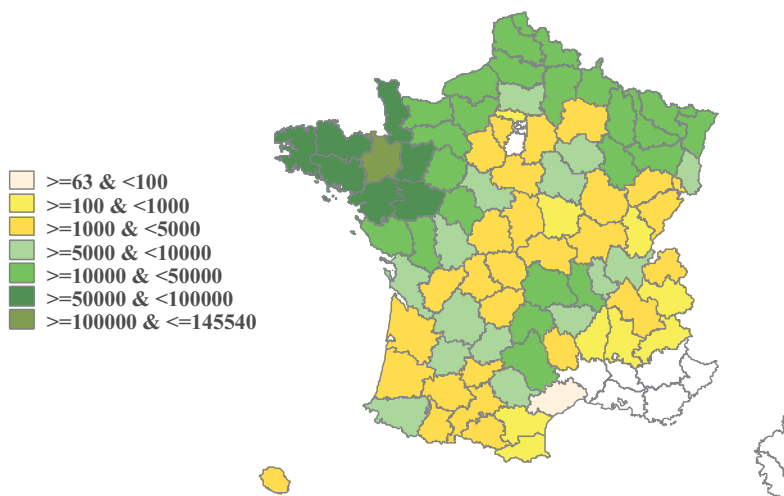
<sup>1</sup> Results corresponding to the pure-bred animals (qualified lactations) located in pure-bred herds. A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same French breed code.



## 2.6 - Detailed results per breed

Breed PRIM'HOLSTEIN  
(French breed code : 66)

Geographical distribution of qualified lactations of Prim'Holstein breed <sup>1</sup>

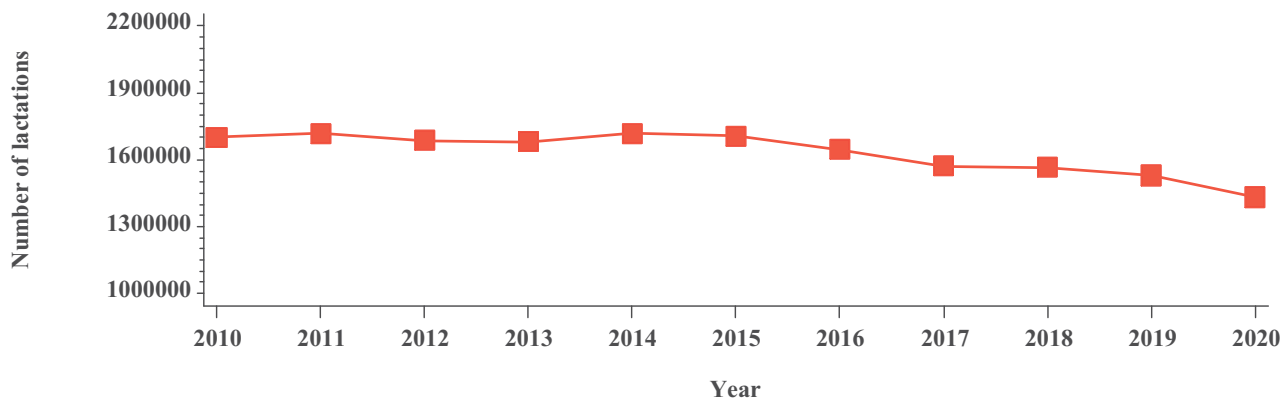


<sup>1</sup>Only local areas that count up more than 40 lactations for Prim'Holstein breed are shown on the map

### 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	504,410	29	351	<b>8,607</b>	347	40.3	281	32.6	627	72.9	
2nd lactation	397,395	43	350	<b>9,903</b>	403	40.7	324	32.7	727	73.4	416
3rd lactation	261,819	56	347	<b>10,226</b>	417	40.8	330	32.3	747	73.1	421
4th lactation	153,540	70	342	<b>10,087</b>	411	40.7	323	32.0	734	72.8	422
5th lactation	73,069	83	337	<b>9,772</b>	395	40.5	310	31.7	705	72.2	425
6th lactation	28,811	96	330	<b>9,343</b>	375	40.1	294	31.5	669	71.6	426
7th lactation	9,265	109	324	<b>8,795</b>	350	39.8	274	31.2	624	71.0	429
Lactation 8 and over	3,958	128	323	<b>8,144</b>	323	39.7	252	31.0	576	70.7	437
<b>All lactations</b>	<b>1,432,267</b>		<b>348</b>	<b>9,495</b>	<b>385</b>	<b>40.6</b>	<b>308</b>	<b>32.4</b>	<b>693</b>	<b>73.0</b>	<b>420</b>

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

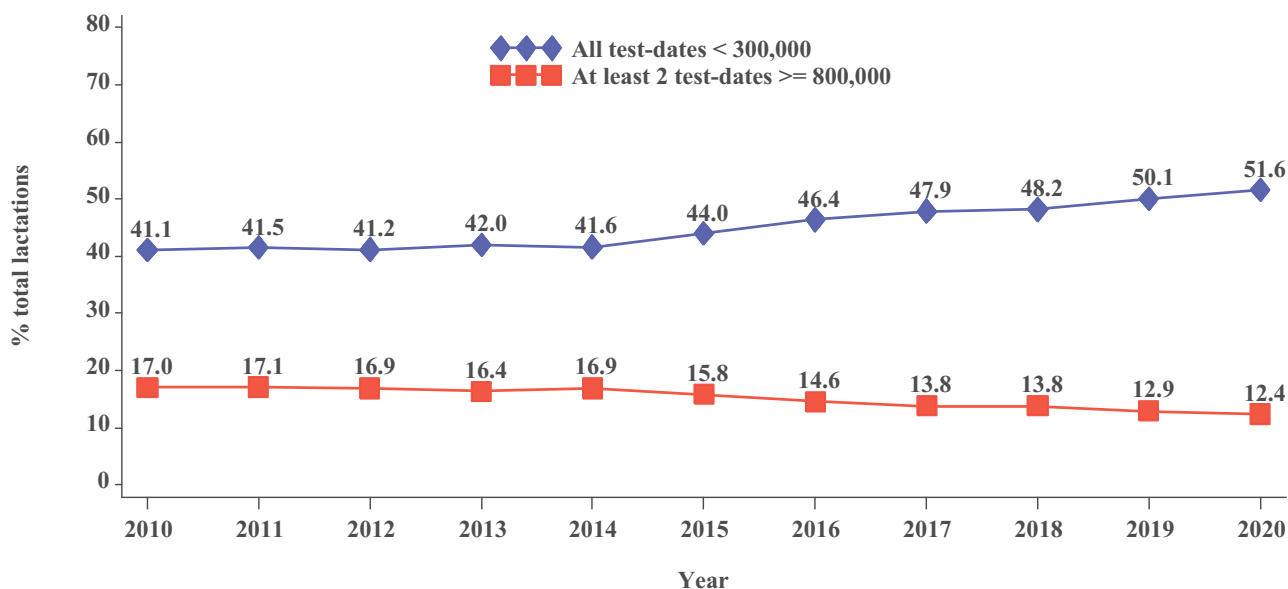


## Herd distribution<sup>1</sup> per milk yield level

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	693	3.6	17,058	1.4	5,239	39.8	31.1	289	4,722	429
>=6000 & <7000 kg	829	4.3	36,298	2.9	6,616	40.0	31.4	319	5,895	423
>=7000 & <8000 kg	1,795	9.3	91,455	7.4	7,584	40.5	31.8	328	6,712	420
>=8000 & <9000 kg	3,695	19.1	224,501	18.2	8,562	40.7	32.2	337	7,516	418
>=9000 & <10000 kg	5,453	28.2	381,286	30.9	9,506	40.7	32.4	344	8,276	416
>=10000 & <11000 kg	4,259	22.0	307,811	24.9	10,457	40.7	32.6	355	8,957	418
>=11000 & <12000 kg	1,941	10.0	136,765	11.1	11,415	40.5	32.8	370	9,554	422
>=12000 & <13000 kg	517	2.7	32,695	2.6	12,366	40.1	32.8	384	10,141	425
>=13000 kg	150	0.8	6,556	0.5	13,572	40.1	32.9	410	10,669	435
<b>Overall total</b>	<b>19,332</b>	<b>100</b>	<b>1,234,425</b>	<b>100</b>	<b>9,594</b>	<b>40.6</b>	<b>32.4</b>	<b>347</b>	<b>8,276</b>	<b>419</b>

## 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	%	
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
2020	177,609	12.4	739,469	51.6	515,189	36.0	1,432,267



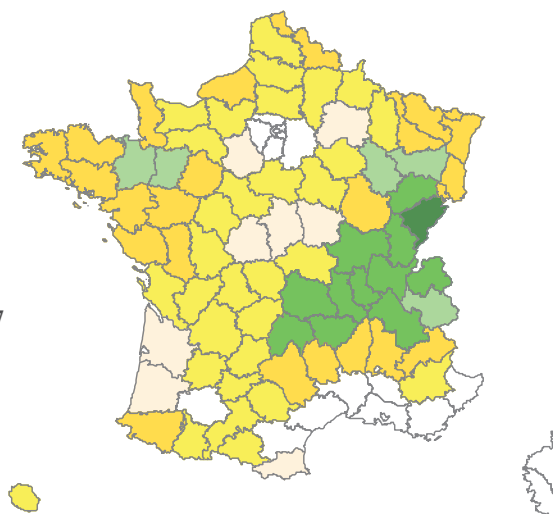
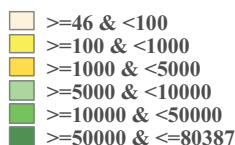
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed MONTBÉLIARDE**  
(French breed code : 46)

Geographical distribution of qualified lactations of Montbéliarde breed <sup>1</sup>

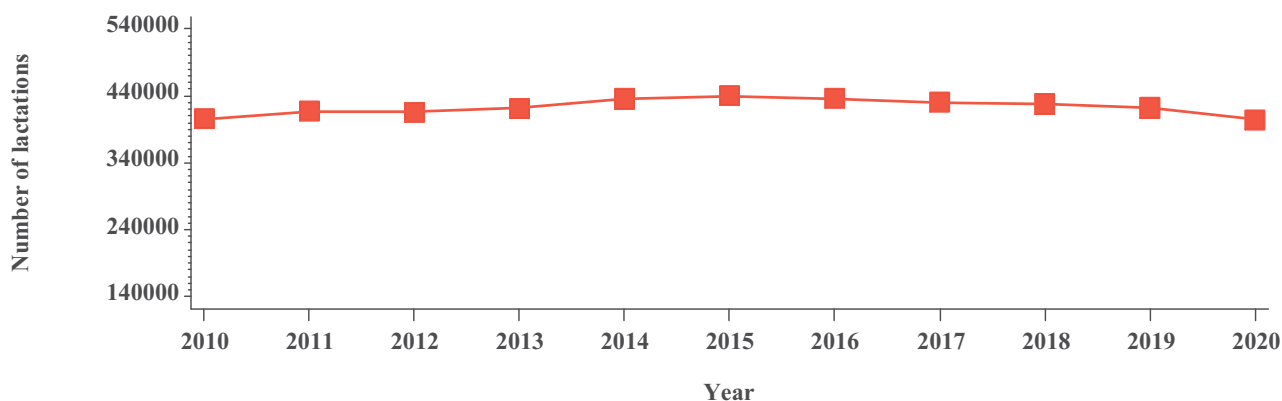


<sup>1</sup> Only local areas that count up more than 40 lactations for Montbéliarde breed are shown on the map

## 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	117,049	34	324	<b>6,863</b>	269	39.2	230	33.6	499	72.7	
2nd lactation	94,671	47	322	<b>7,767</b>	306	39.4	262	33.8	568	73.1	403
3rd lactation	69,312	59	319	<b>7,997</b>	314	39.2	267	33.4	581	72.7	401
4th lactation	51,721	72	312	<b>7,936</b>	310	39.1	263	33.2	573	72.3	398
5th lactation	33,688	84	306	<b>7,715</b>	300	38.9	253	32.9	553	71.7	399
6th lactation	19,717	97	301	<b>7,452</b>	288	38.6	243	32.6	531	71.2	401
7th lactation	10,038	110	293	<b>7,066</b>	271	38.4	229	32.4	500	70.8	403
Lactation 8 and over	7,897	130	285	<b>6,446</b>	245	38.0	207	32.0	451	70.0	408
<b>All lactations</b>	<b>404,093</b>		<b>317</b>	<b>7,503</b>	<b>294</b>	<b>39.1</b>	<b>250</b>	<b>33.4</b>	<b>544</b>	<b>72.5</b>	<b>401</b>

Evolution of the number of qualified lactations for Montbéliarde breed



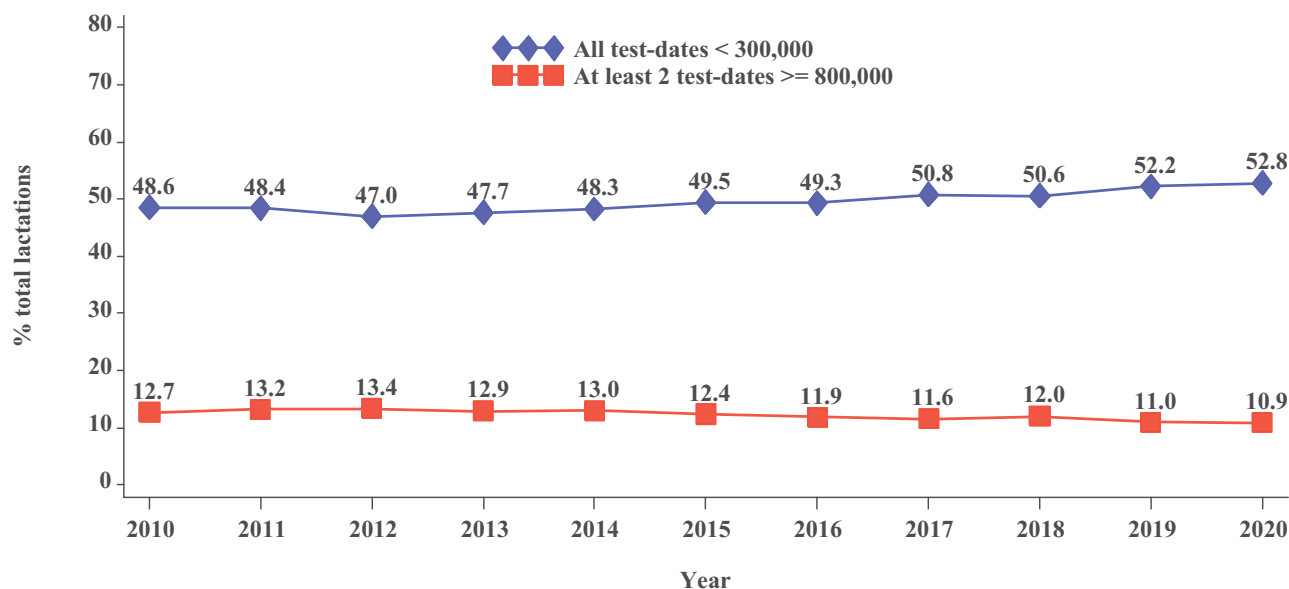


## Herd distribution<sup>1</sup> per milk yield level

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	310	5.2	9,056	2.8	4,409	38.3	32.0	278	4,117	415
>=5000 & <6000 kg	642	10.7	27,384	8.3	5,604	38.3	32.4	304	5,196	403
>=6000 & <7000 kg	1,585	26.5	79,413	24.1	6,564	38.3	32.8	305	6,105	399
>=7000 & <8000 kg	1,793	30.0	101,923	31.0	7,485	38.6	33.3	315	6,891	398
>=8000 & <9000 kg	1,054	17.6	67,522	20.5	8,451	39.6	33.8	325	7,649	401
>=9000 & <10000 kg	430	7.2	31,232	9.5	9,407	39.7	34.1	334	8,386	402
>=10000 kg	159	2.7	12,670	3.8	10,524	39.6	34.3	346	9,213	404
<b>Overall total</b>	<b>5,973</b>	<b>100</b>	<b>329,200</b>	<b>100</b>	<b>7,519</b>	<b>38.9</b>	<b>33.4</b>	<b>316</b>	<b>6,871</b>	<b>401</b>

## 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	%	
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
2020	44,173	10.9	213,537	52.8	146,383	36.2	404,093



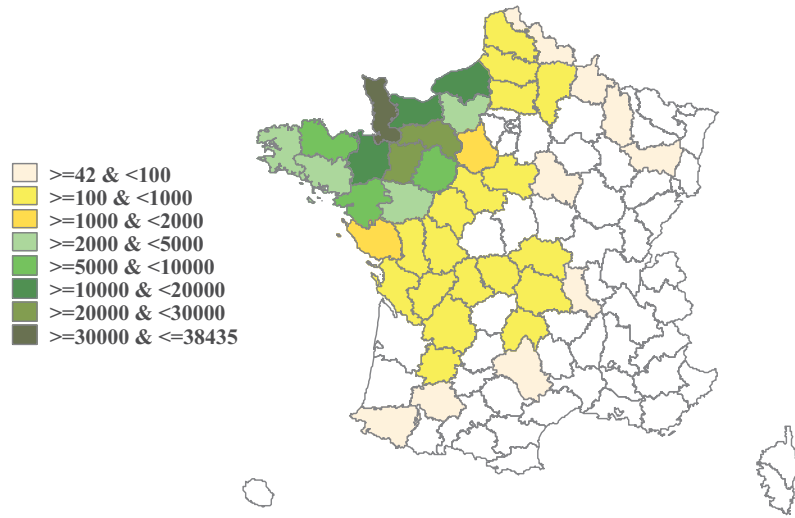
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed NORMANDE**  
(French breed code : 56)

Geographical distribution of qualified lactations of Normande breed <sup>1</sup>

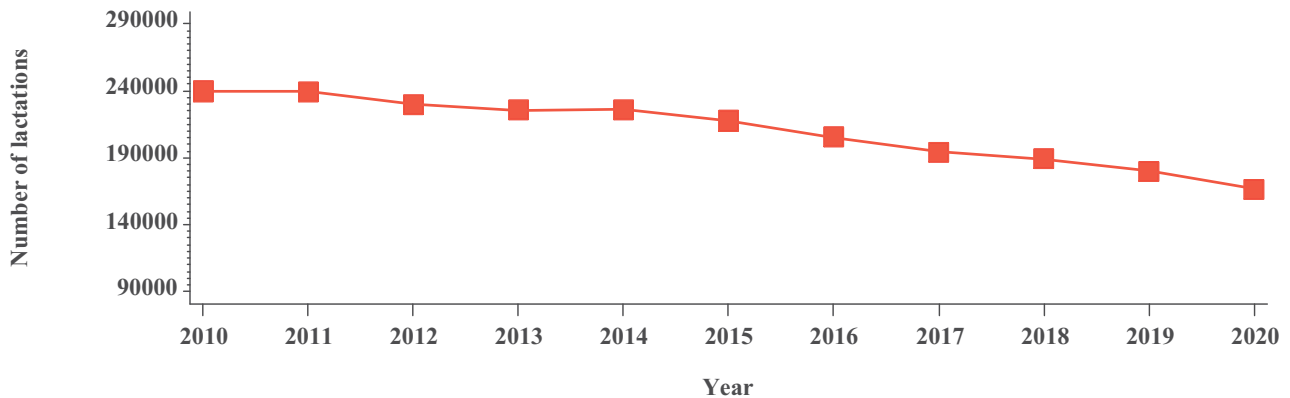


<sup>1</sup>Only local areas that count up more than 40 lactations for Normande breed are shown on the map

## 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	57,788	32	346	<b>6,453</b>	276	42.7	226	35.0	501	77.7	
2nd lactation	43,770	46	333	<b>6,942</b>	300	43.3	246	35.5	546	78.7	410
3rd lactation	29,758	59	328	<b>7,189</b>	308	42.8	251	35.0	559	77.8	408
4th lactation	18,962	72	320	<b>7,174</b>	303	42.3	248	34.6	551	76.9	406
5th lactation	9,481	84	318	<b>7,043</b>	295	41.9	242	34.3	537	76.3	406
6th lactation	4,242	97	313	<b>6,793</b>	282	41.5	232	34.1	513	75.6	409
7th lactation	1,681	109	305	<b>6,369</b>	263	41.3	215	33.8	478	75.1	407
Lactation 8 and over	833	128	302	<b>6,073</b>	247	40.7	205	33.7	452	74.4	416
<b>All lactations</b>	<b>166,515</b>		<b>333</b>	<b>6,835</b>	<b>292</b>	<b>42.7</b>	<b>239</b>	<b>35.0</b>	<b>531</b>	<b>77.7</b>	<b>408</b>

Evolution of the number of qualified lactations for Normande breed

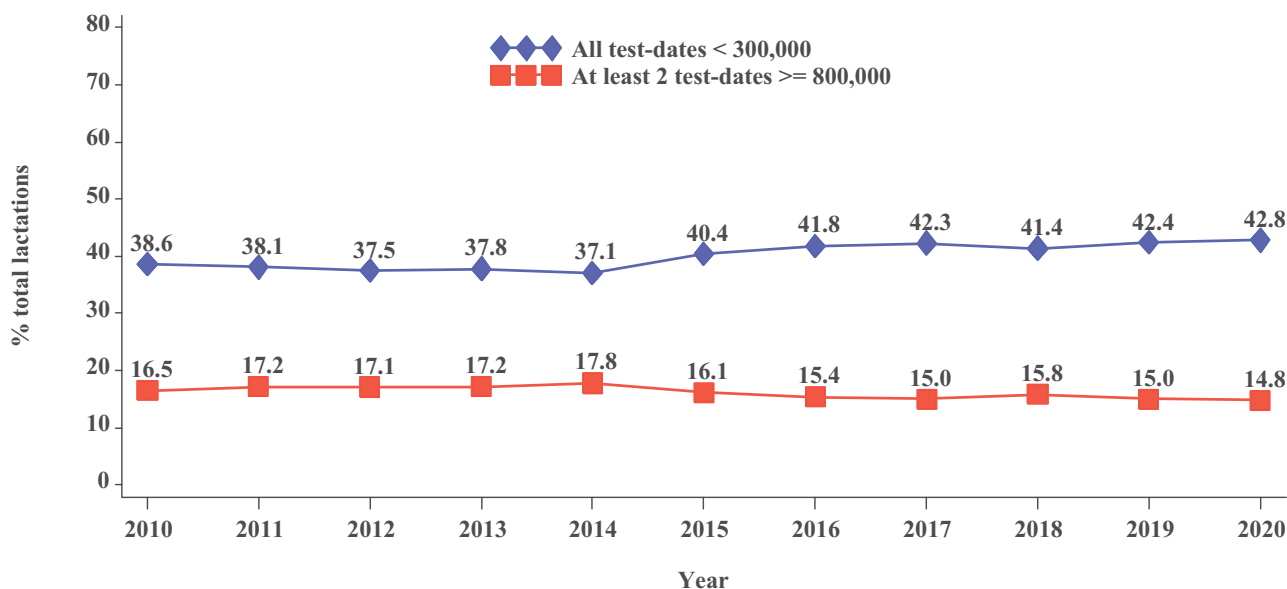


## Herd distribution<sup>1</sup> per milk yield level

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	118	7.4	3,787	3.9	4,300	40.8	33.3	305	3,914	416
>=5000 & <6000 kg	200	12.5	10,123	10.4	5,590	41.8	34.2	324	5,010	410
>=6000 & <7000 kg	497	31.0	32,378	33.3	6,573	42.6	34.9	329	5,878	405
>=7000 & <8000 kg	545	34.0	36,240	37.3	7,447	42.9	35.3	343	6,551	407
>=8000 kg	243	15.2	14,666	15.1	8,476	43.3	35.7	364	7,209	413
<b>Overall total</b>	<b>1,603</b>	<b>100</b>	<b>97,194</b>	<b>100</b>	<b>6,995</b>	<b>42.7</b>	<b>35.1</b>	<b>338</b>	<b>6,163</b>	<b>408</b>

## 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	%	
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
2020	24,718	14.8	71,288	42.8	70,509	42.3	166,515



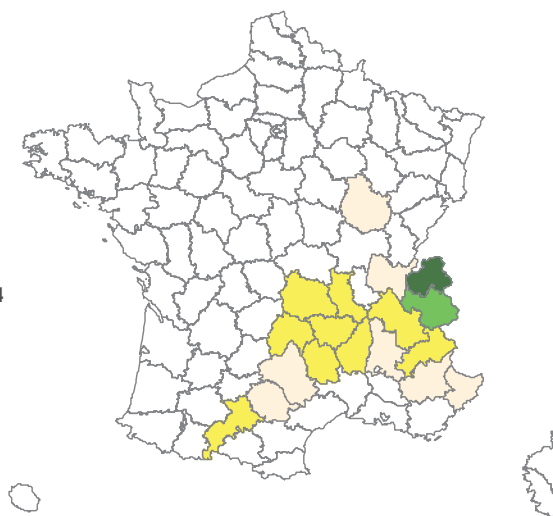
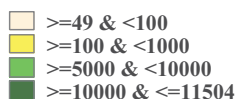
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed ABONDANCE**  
(French breed code : 12)

Geographical distribution of qualified lactations of Abondance breed <sup>1</sup>

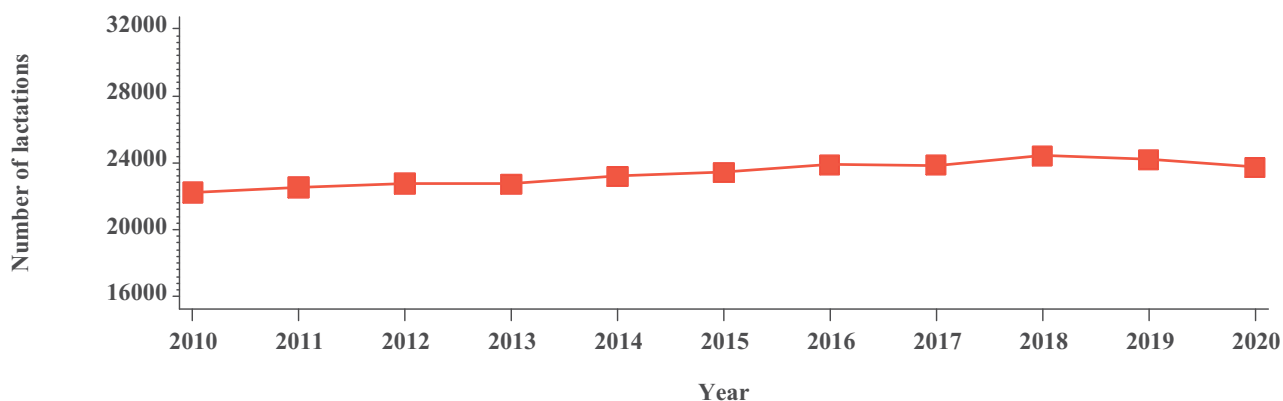


<sup>1</sup> Only local areas that count up more than 40 lactations for Abondance breed are shown on the map

## 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	6,195	37	297	<b>4,839</b>	177	36.6	162	33.4	339	70.0	
2nd lactation	5,157	50	302	<b>5,663</b>	206	36.3	189	33.4	394	69.7	402
3rd lactation	3,946	63	302	<b>5,921</b>	214	36.1	196	33.1	410	69.2	404
4th lactation	3,038	76	302	<b>6,103</b>	221	36.2	202	33.1	422	69.2	406
5th lactation	2,114	89	303	<b>6,100</b>	221	36.3	201	33.0	423	69.3	410
6th lactation	1,400	101	301	<b>5,895</b>	214	36.3	194	32.9	408	69.2	410
7th lactation	873	114	296	<b>5,685</b>	209	36.8	188	33.0	397	69.8	412
Lactation 8 and over	1,004	136	286	<b>5,288</b>	193	36.6	174	32.8	367	69.4	421
<b>All lactations</b>	<b>23,727</b>		<b>300</b>	<b>5,585</b>	<b>203</b>	<b>36.3</b>	<b>185</b>	<b>33.2</b>	<b>388</b>	<b>69.5</b>	<b>406</b>

Evolution of the number of qualified lactations for Abondance breed

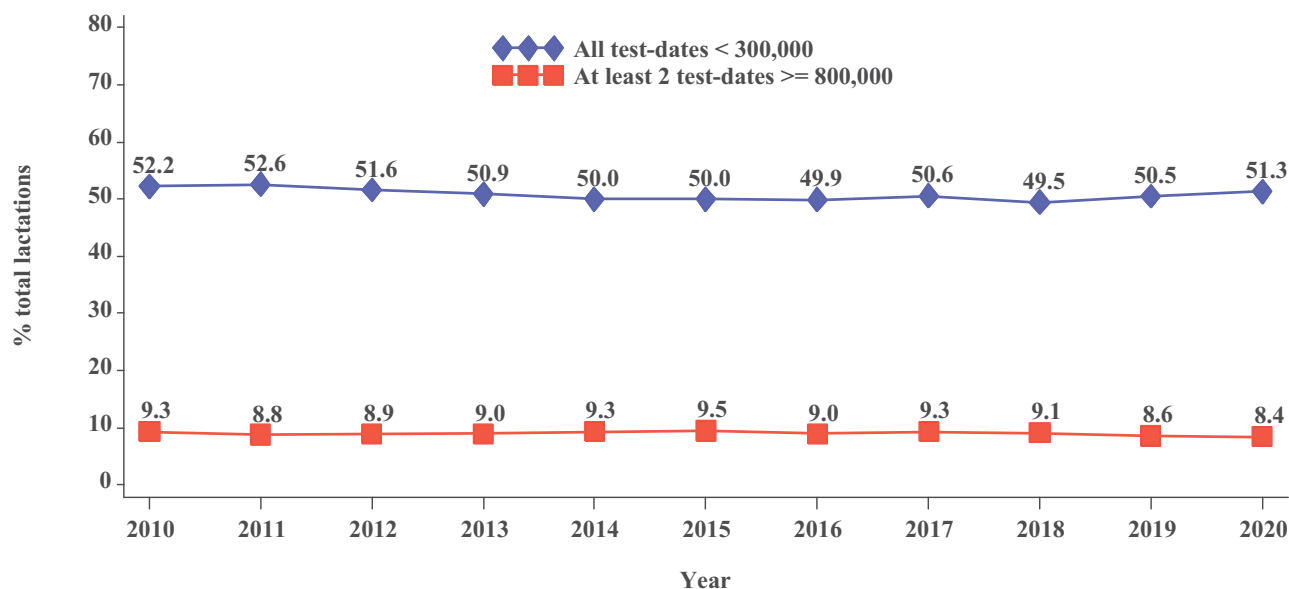


## Herd distribution<sup>1</sup> per milk yield level

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	32	8.6	977	6.7	3,409	36.6	32.5	264	3,263	428
>=4000 & <5000 kg	80	21.6	2,751	18.8	4,632	36.2	32.4	283	4,427	409
>=5000 & <6000 kg	134	36.1	5,187	35.4	5,518	36.1	33.0	303	5,199	404
>=6000 & <7000 kg	96	25.9	4,434	30.2	6,437	36.4	33.4	308	6,029	403
>=7000 kg	29	7.8	1,316	9.0	7,458	35.7	33.7	319	6,938	403
<b>Overall total</b>	<b>371</b>	<b>100</b>	<b>14,665</b>	<b>100</b>	<b>5,663</b>	<b>36.2</b>	<b>33.1</b>	<b>300</b>	<b>5,332</b>	<b>406</b>

## 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	%	
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
2020	1,989	8.4	12,162	51.3	9,576	40.4	23,727



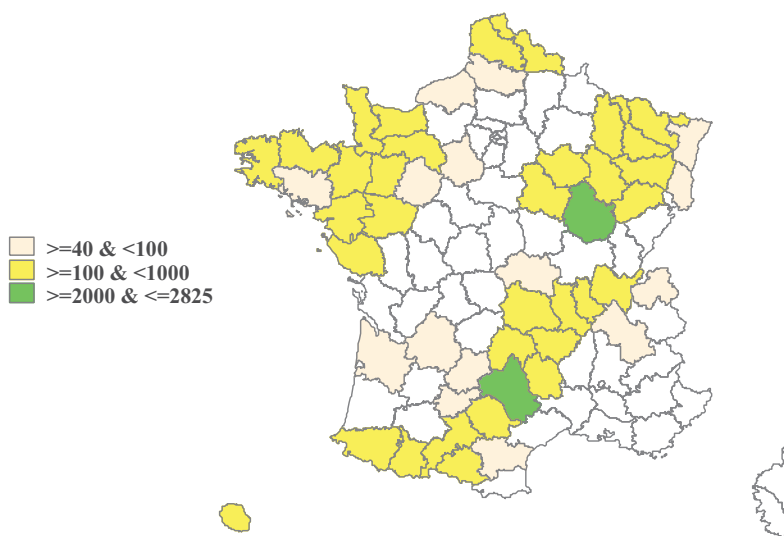
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed BRUNE**  
(French breed code : 21)

Geographical distribution of qualified lactations of Brune breed <sup>1</sup>

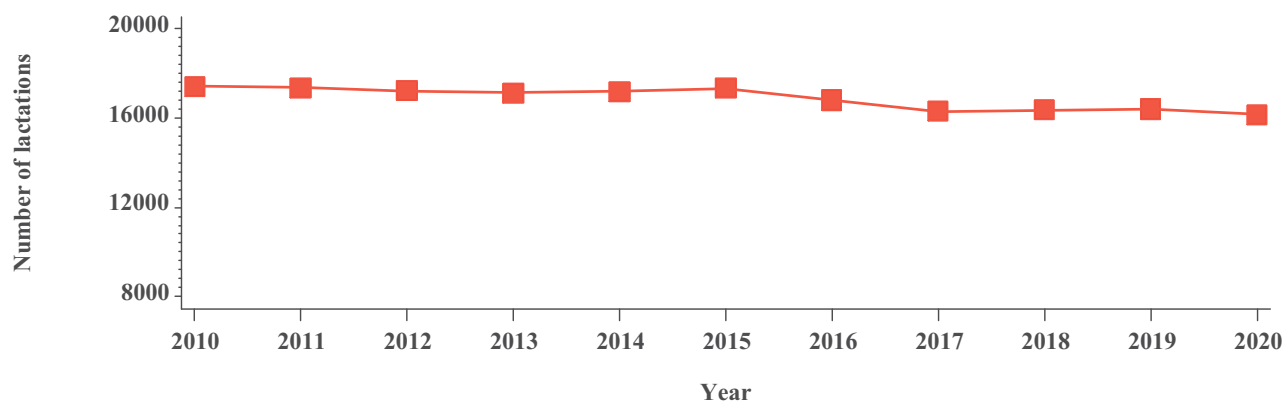


<sup>1</sup>Only local areas that count up more than 40 lactations for Brune breed are shown on the map

## 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	5,232	32	352	<b>7,098</b>	298	42.0	246	34.7	544	76.7	
2nd lactation	4,040	46	350	<b>7,930</b>	337	42.6	277	35.0	615	77.5	427
3rd lactation	2,887	59	348	<b>8,224</b>	348	42.4	285	34.7	634	77.0	427
4th lactation	1,842	72	341	<b>8,159</b>	345	42.3	282	34.5	627	76.8	425
5th lactation	1,086	86	332	<b>7,730</b>	325	42.1	265	34.2	590	76.3	433
6th lactation	619	99	335	<b>7,701</b>	324	42.0	261	33.8	584	75.9	438
7th lactation	282	112	326	<b>7,231</b>	300	41.5	244	33.8	545	75.3	432
Lactation 8 and over	174	132	319	<b>6,784</b>	279	41.1	226	33.4	505	74.5	426
<b>All lactations</b>	<b>16,162</b>		<b>347</b>	<b>7,692</b>	<b>325</b>	<b>42.2</b>	<b>266</b>	<b>34.6</b>	<b>591</b>	<b>76.9</b>	<b>428</b>

Evolution of the number of qualified lactations for Brune breed

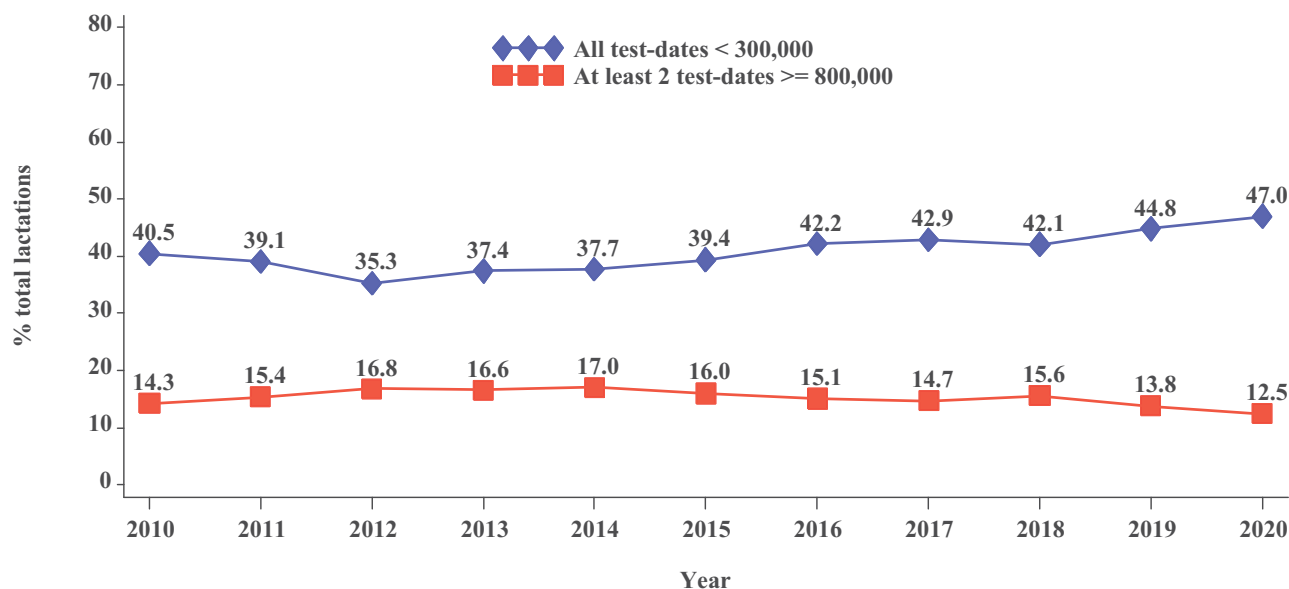


## Herd distribution<sup>1</sup> per milk yield level

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	8	6.3	156	2.3	4,368	39.0	33.1	321	3,929	430
>=5000 & <6000 kg	16	12.5	590	8.8	5,380	40.3	33.2	333	4,814	426
>=6000 & <7000 kg	23	18.0	1,081	16.1	6,528	41.5	34.1	334	5,783	421
>=7000 & <8000 kg	35	27.3	2,069	30.7	7,559	42.3	34.6	343	6,598	418
>=8000 & <9000 kg	26	20.3	1,669	24.8	8,652	42.7	35.0	345	7,519	417
>=9000 & <10000 kg	13	10.2	818	12.2	9,306	40.9	34.9	360	7,814	432
>=10000 kg	7	5.5	346	5.1	10,478	41.8	35.4	393	8,343	451
<b>Overall total</b>	<b>128</b>	<b>100</b>	<b>6,729</b>	<b>100</b>	<b>7,762</b>	<b>41.9</b>	<b>34.7</b>	<b>346</b>	<b>6,715</b>	<b>423</b>

## 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	%	
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
2020	2,028	12.5	7,594	47.0	6,540	40.5	16,162



<sup>1</sup>Pure-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.





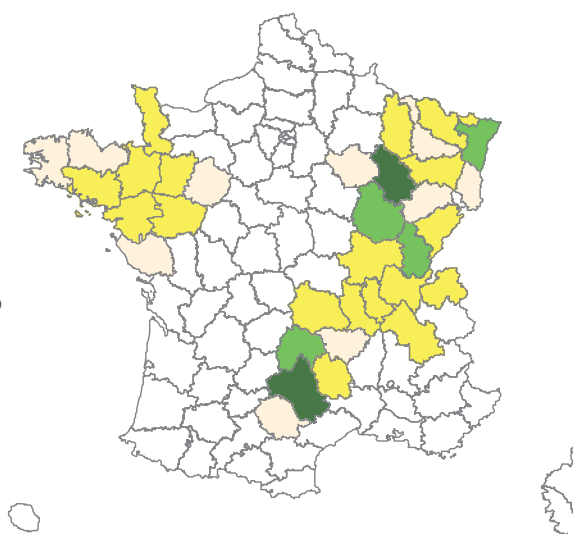
# Detailed results per breed

**Breed SIMMENTAL FRANÇAISE**  
(French breed code : 35)

Geographical distribution of qualified lactations of Simmental Française breed <sup>1</sup>



$\geq 40$  &  $< 100$   
  $\geq 100$  &  $< 1000$   
  $\geq 1000$  &  $< 2000$   
  $\geq 2000$  &  $\leq 2939$

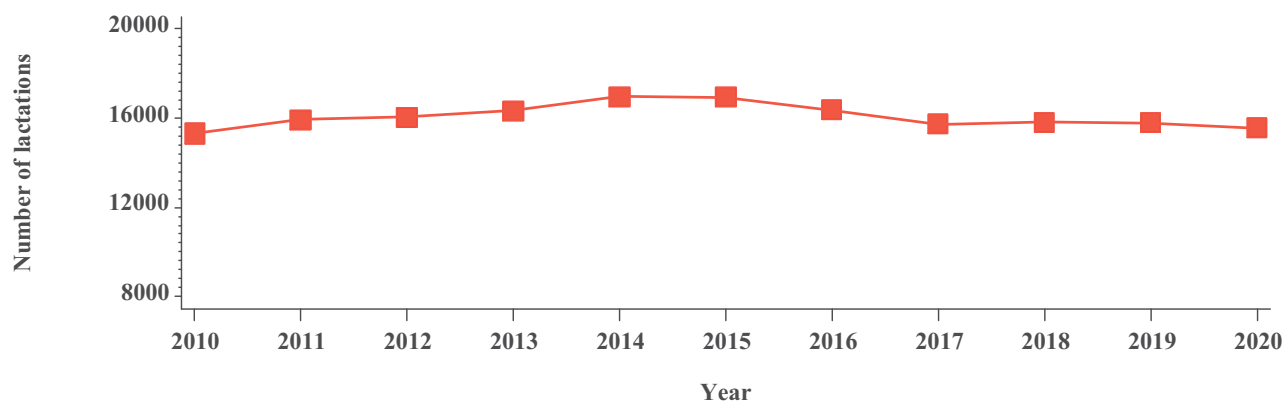


<sup>1</sup> Only local areas that count up more than 40 lactations for Simmental Française breed are shown on the map

## 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	4,521	35	319	<b>6,080</b>	249	41.0	209	34.4	458	75.4	
2nd lactation	3,682	47	316	<b>6,821</b>	278	40.8	235	34.5	513	75.2	396
3rd lactation	2,814	60	320	<b>7,179</b>	290	40.4	244	33.9	534	74.3	396
4th lactation	1,892	73	314	<b>7,016</b>	281	40.0	237	33.7	517	73.8	395
5th lactation	1,221	85	312	<b>6,968</b>	277	39.8	233	33.5	510	73.2	398
6th lactation	771	98	307	<b>6,575</b>	262	39.8	220	33.5	482	73.3	403
7th lactation	407	111	302	<b>6,189</b>	244	39.5	206	33.4	451	72.8	404
Lactation 8 and over	263	131	295	<b>5,632</b>	221	39.3	186	33.1	407	72.3	407
<b>All lactations</b>	<b>15,571</b>		<b>316</b>	<b>6,657</b>	<b>270</b>	<b>40.5</b>	<b>227</b>	<b>34.1</b>	<b>496</b>	<b>74.6</b>	<b>397</b>

Evolution of the number of qualified lactations for Simmental Française breed



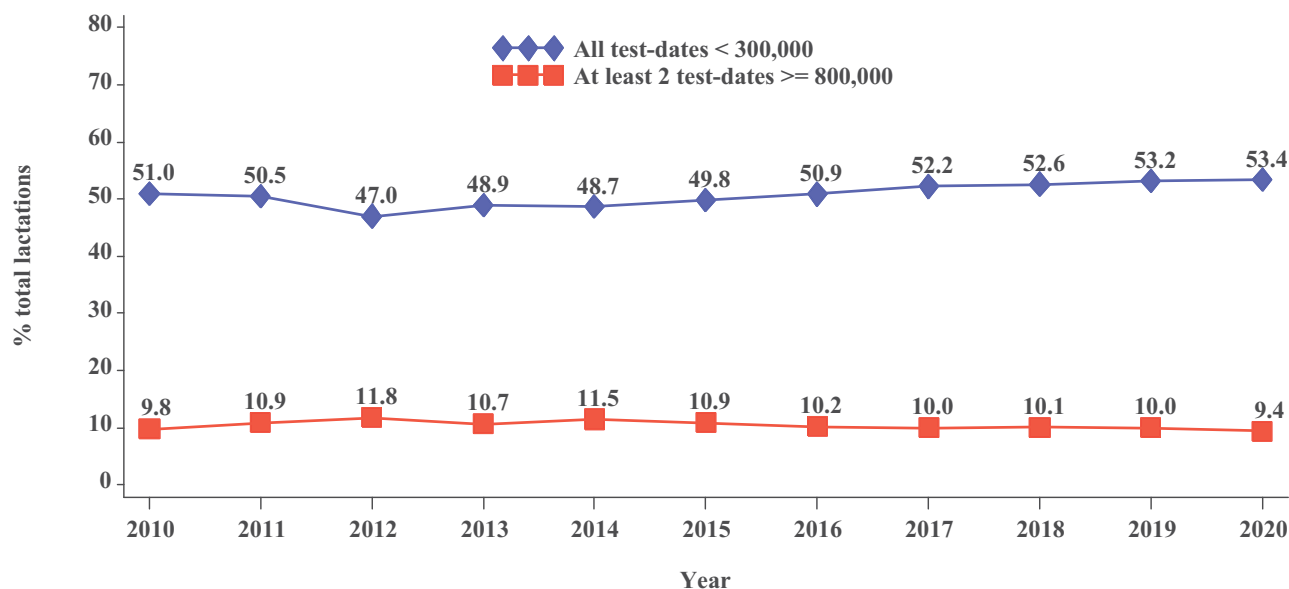


## Herd distribution<sup>1</sup> per milk yield level

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	14	7.4	353	3.4	3,420	39.5	34.2	293	3,187	432
>=4000 & <5000 kg	18	9.5	724	6.9	4,607	39.2	33.2	304	4,334	405
>=5000 & <6000 kg	45	23.7	2,081	20.0	5,551	39.6	33.7	311	5,178	396
>=6000 & <7000 kg	47	24.7	2,624	25.2	6,538	39.9	34.1	318	6,025	399
>=7000 & <8000 kg	42	22.1	2,812	27.0	7,527	41.0	34.5	317	6,917	389
>=8000 & <9000 kg	16	8.4	1,307	12.5	8,399	40.7	34.4	319	7,713	393
>=9000 kg	8	4.2	521	5.0	9,929	41.8	34.3	361	8,547	397
<b>Overall total</b>	<b>190</b>	<b>100</b>	<b>10,422</b>	<b>100</b>	<b>6,771</b>	<b>40.4</b>	<b>34.2</b>	<b>317</b>	<b>6,221</b>	<b>397</b>

## 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	%	
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
2020	1,460	9.4	8,310	53.4	5,801	37.3	15,571



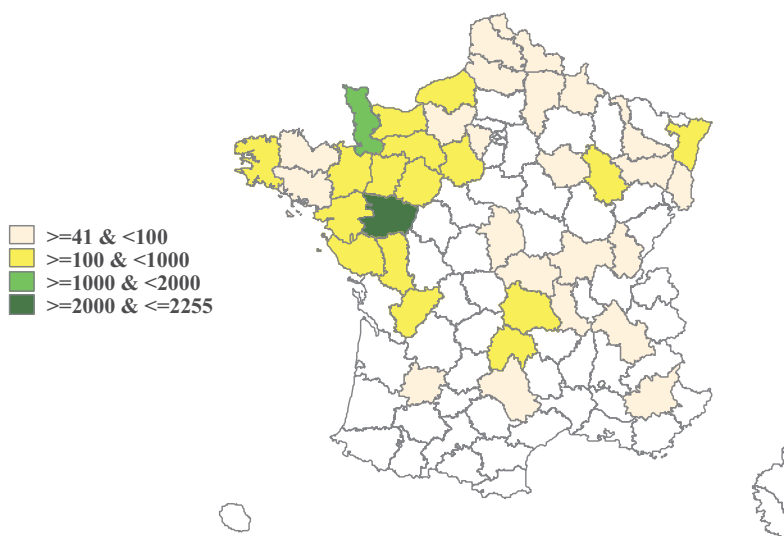
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed JERSIAISE**  
(French breed code : 15)

Geographical distribution of qualified lactations of Jersiaise breed <sup>1</sup>

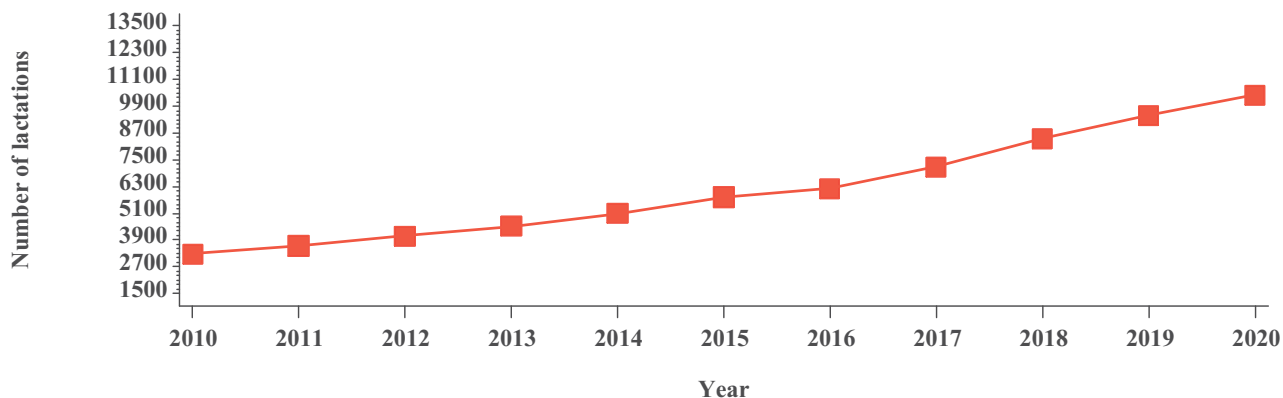


<sup>1</sup>Only local areas that count up more than 40 lactations for Jersiaise breed are shown on the map

## 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	3,227	27	333	<b>4,648</b>	256	55.1	178	38.2	434	93.3	
2nd lactation	2,461	40	333	<b>5,316</b>	302	56.8	210	39.4	512	96.2	415
3rd lactation	1,856	53	334	<b>5,530</b>	316	57.2	218	39.4	534	96.5	408
4th lactation	1,245	66	328	<b>5,583</b>	320	57.3	219	39.3	539	96.6	405
5th lactation	800	79	332	<b>5,702</b>	322	56.5	222	39.0	545	95.5	417
6th lactation	440	91	319	<b>5,323</b>	295	55.4	203	38.2	498	93.6	410
7th lactation	215	104	327	<b>5,551</b>	306	55.1	212	38.2	518	93.2	433
Lactation 8 and over	154	125	343	<b>5,386</b>	294	54.6	203	37.7	497	92.2	444
<b>All lactations</b>	<b>10,398</b>		<b>332</b>	<b>5,215</b>	<b>294</b>	<b>56.3</b>	<b>203</b>	<b>38.9</b>	<b>497</b>	<b>95.2</b>	<b>413</b>

## Evolution of the number of qualified lactations for Jersiaise breed

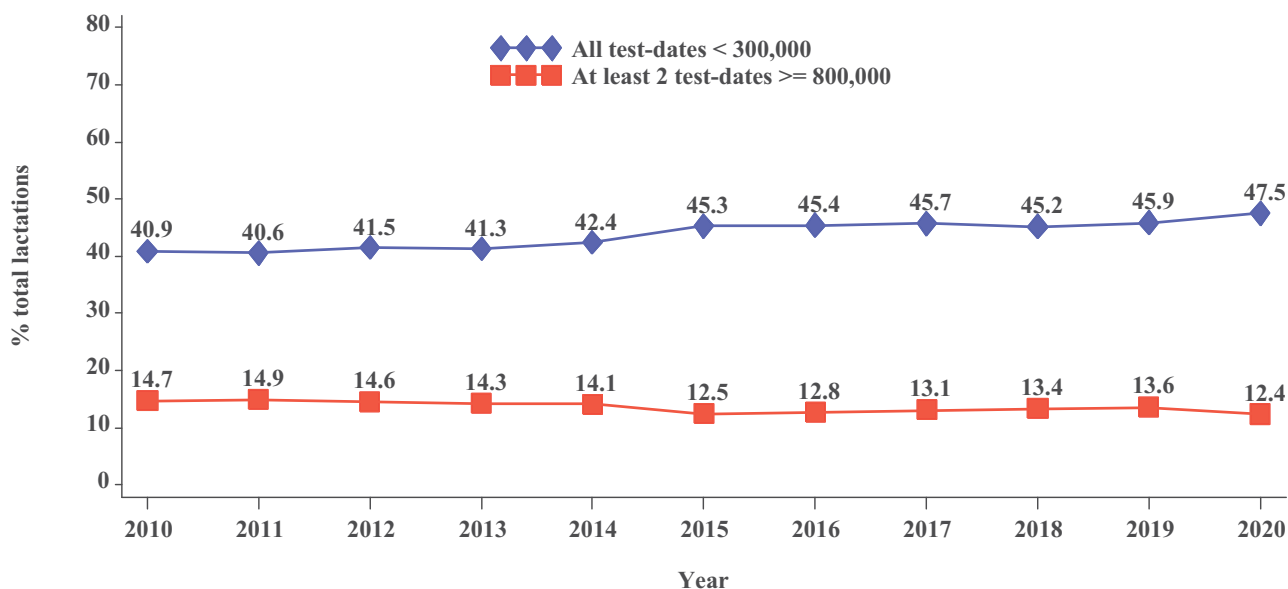


## Herd distribution<sup>1</sup> per milk yield level

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	10	14.1	391	9.0	2,497	57.8	40.2	274	2,247	419
>=3000 & <4000 kg	9	12.7	375	8.6	3,519	54.2	37.7	292	3,262	417
>=4000 & <5000 kg	12	16.9	862	19.8	4,601	56.7	38.6	338	4,087	402
>=5000 & <6000 kg	25	35.2	1,471	33.8	5,426	55.9	38.8	327	4,880	400
>=6000 & <7000 kg	13	18.3	1,156	26.5	6,457	57.9	39.8	355	5,628	415
>=7000 kg	2	2.8	100	2.3	7,436	62.4	40.3	377	6,247	420
<b>Overall total</b>	<b>71</b>	<b>100</b>	<b>4,355</b>	<b>100</b>	<b>5,155</b>	<b>56.9</b>	<b>39.1</b>	<b>330</b>	<b>4,577</b>	<b>408</b>

## 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	%	
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
2020	1,292	12.4	4,937	47.5	4,169	40.1	10,398



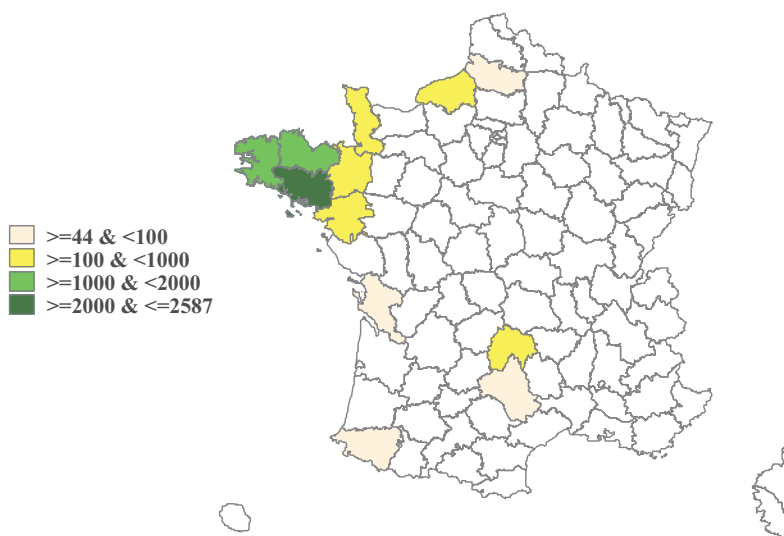
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

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

Geographical distribution of qualified lactations of Pie Rouge des Plaines breed <sup>1</sup>

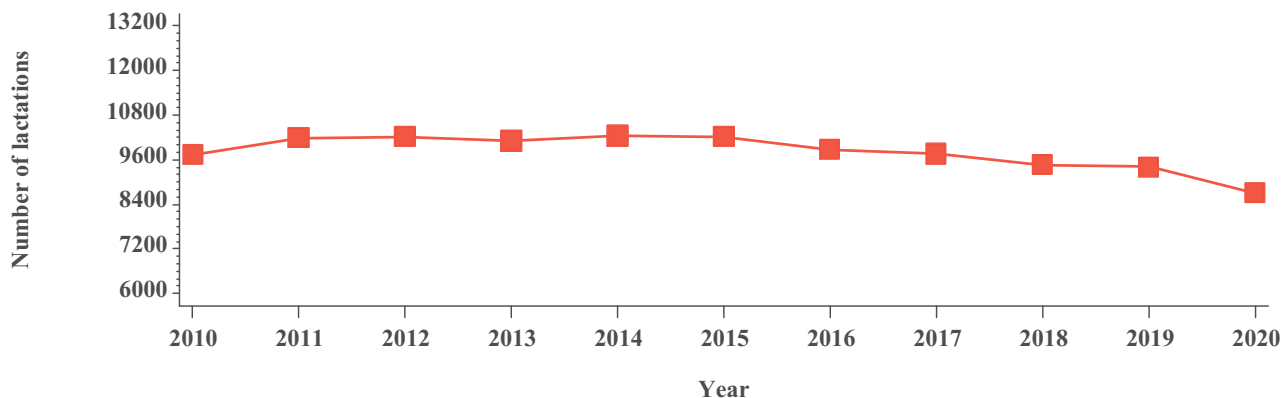


<sup>1</sup> Only local areas that count up more than 40 lactations for Pie Rouge des Plaines breed are shown on the map

## 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	2,703	29	339	<b>7,063</b>	305	43.2	240	34.0	545	77.2	
2nd lactation	2,229	43	339	<b>8,275</b>	358	43.3	284	34.3	642	77.5	409
3rd lactation	1,622	56	342	<b>8,876</b>	385	43.4	300	33.8	685	77.2	411
4th lactation	1,051	69	337	<b>8,967</b>	389	43.3	299	33.4	688	76.7	412
5th lactation	601	83	341	<b>8,933</b>	388	43.4	296	33.1	684	76.6	419
6th lactation	291	96	321	<b>8,149</b>	349	42.8	267	32.7	615	75.5	416
7th lactation	139	108	304	<b>7,640</b>	328	43.0	247	32.3	575	75.3	418
Lactation 8 and over	66	125	334	<b>8,131</b>	344	42.3	264	32.4	607	74.7	424
<b>All lactations</b>	<b>8,702</b>		<b>338</b>	<b>8,124</b>	<b>352</b>	<b>43.3</b>	<b>275</b>	<b>33.8</b>	<b>626</b>	<b>77.1</b>	<b>412</b>

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

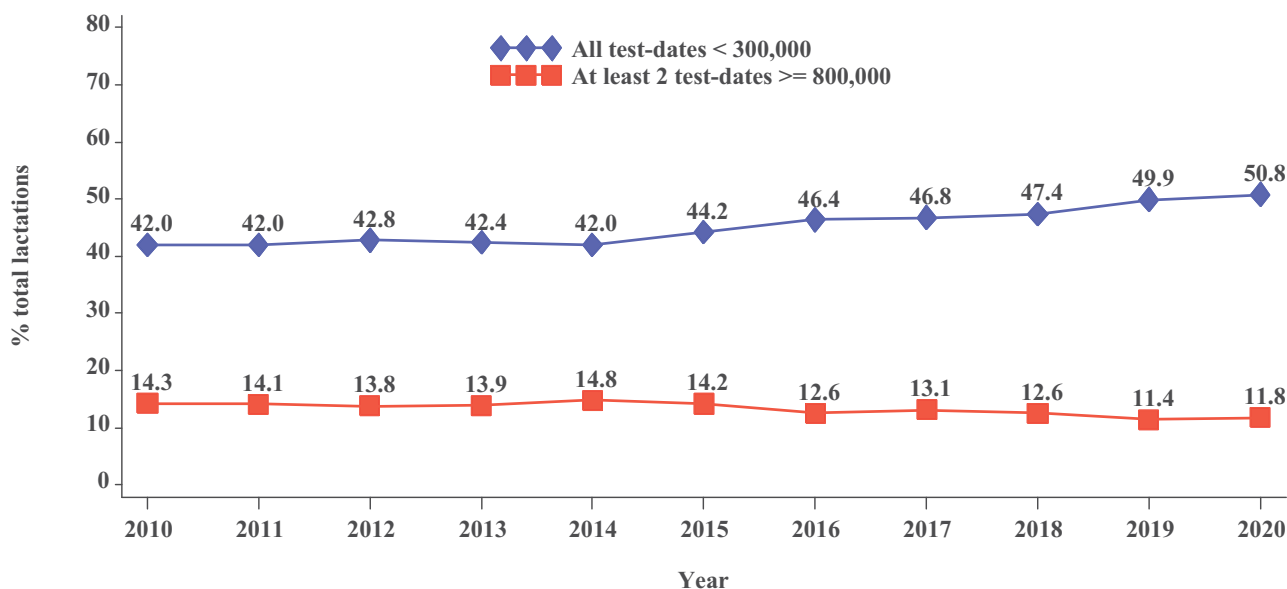


## Herd distribution<sup>1</sup> per milk yield level

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	11	18.6	158	5.1	6,102	43.1	33.7	318	5,627	408
>=7000 & <8000 kg	16	27.1	738	23.7	7,580	43.1	33.3	337	6,815	414
>=8000 & <9000 kg	17	28.8	1,006	32.3	8,316	43.8	34.5	342	7,430	404
>=9000 & <10000 kg	7	11.9	676	21.7	9,380	42.1	34.0	344	8,227	416
>=10000 kg	8	13.6	540	17.3	10,441	44.8	34.9	356	9,103	407
<b>Overall total</b>	<b>59</b>	<b>100</b>	<b>3,118</b>	<b>100</b>	<b>8,628</b>	<b>43.4</b>	<b>34.2</b>	<b>342</b>	<b>7,656</b>	<b>410</b>

## 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	%	
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
2020	1,025	11.8	4,421	50.8	3,256	37.4	8,702



<sup>1</sup>Pure-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.



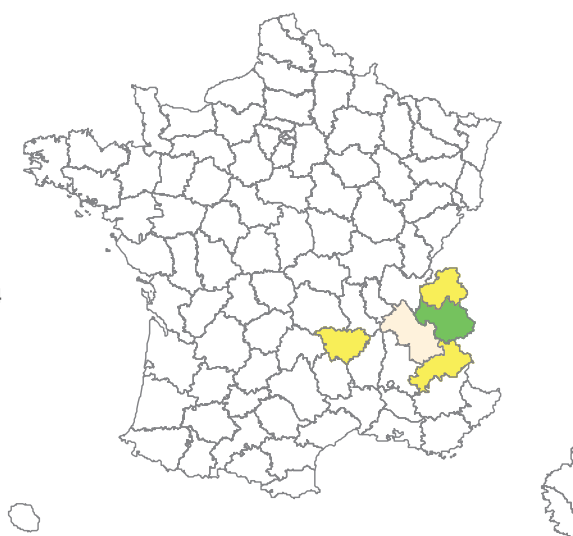
# Detailed results per breed

**Breed TARENDAISE**  
(French breed code : 31)

Geographical distribution of qualified lactations of Tarentaise breed <sup>1</sup>



$\geq 83$  &  $< 100$   
  $\geq 100$  &  $< 500$   
  $\geq 5000$  &  $\leq 7544$

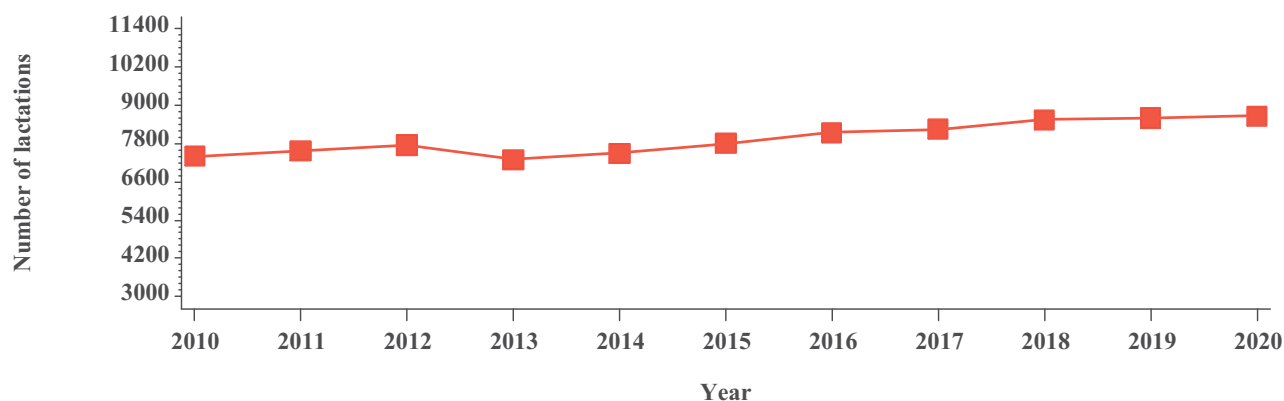


<sup>1</sup> Only local areas that count up more than 40 lactations for Tarentaise breed are shown on the map

## 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	2,523	36	291	<b>4,038</b>	152	37.6	133	33.0	285	70.6	
2nd lactation	1,873	49	278	<b>4,294</b>	160	37.2	141	32.9	301	70.1	406
3rd lactation	1,469	62	276	<b>4,462</b>	163	36.6	145	32.5	308	69.1	397
4th lactation	1,064	75	282	<b>4,671</b>	172	36.9	152	32.5	324	69.3	400
5th lactation	747	88	280	<b>4,744</b>	173	36.5	154	32.4	327	68.9	401
6th lactation	437	101	272	<b>4,532</b>	164	36.1	145	32.0	309	68.2	402
7th lactation	275	113	276	<b>4,606</b>	167	36.2	147	31.9	314	68.1	410
Lactation 8 and over	284	137	262	<b>4,217</b>	149	35.2	133	31.5	282	66.8	406
<b>All lactations</b>	<b>8,672</b>		<b>281</b>	<b>4,352</b>	<b>161</b>	<b>36.9</b>	<b>142</b>	<b>32.6</b>	<b>303</b>	<b>69.6</b>	<b>402</b>

Evolution of the number of qualified lactations for Tarentaise breed

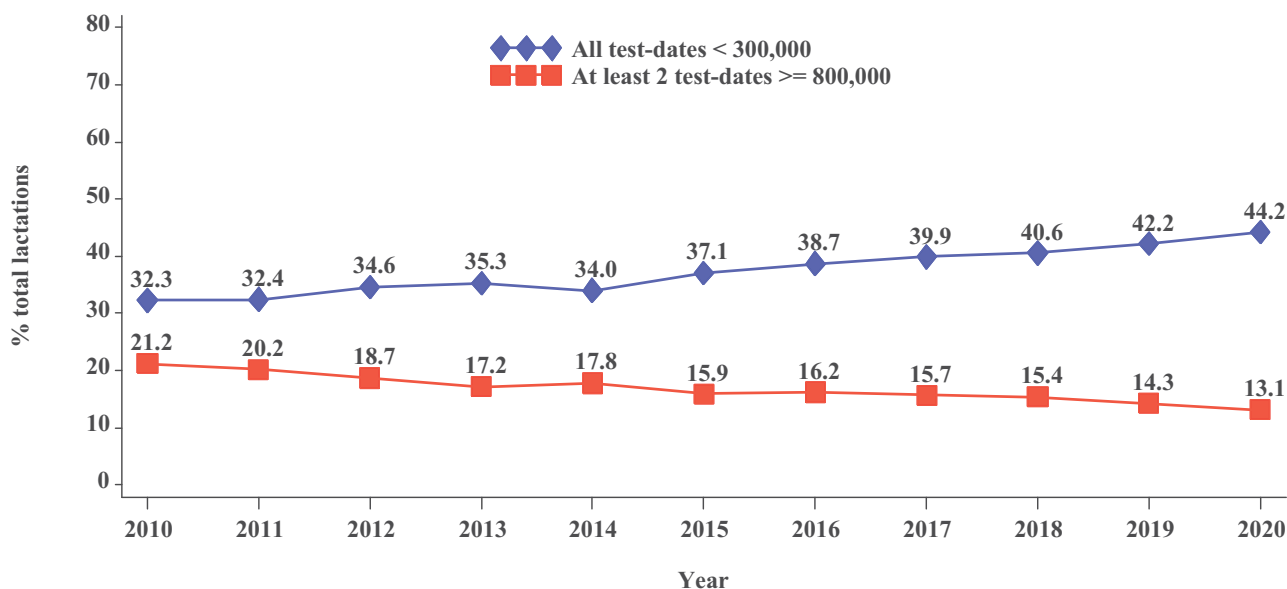


## Herd distribution<sup>1</sup> per milk yield level

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	3.5	236	4.3	2,602	37.0	30.9	205	2,580	428
>=3000 & <4000 kg	18	15.9	773	14.0	3,717	37.4	32.3	273	3,611	401
>=4000 & <5000 kg	76	67.3	3,752	68.0	4,522	36.8	32.5	290	4,345	401
>=5000 kg	15	13.3	754	13.7	5,403	37.0	33.4	303	5,113	406
<b>Overall total</b>	<b>113</b>	<b>100</b>	<b>5,515</b>	<b>100</b>	<b>4,447</b>	<b>36.9</b>	<b>32.6</b>	<b>285</b>	<b>4,271</b>	<b>403</b>

## 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	%	
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
2020	1,138	13.1	3,835	44.2	3,699	42.7	8,672



<sup>1</sup>Pure-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.





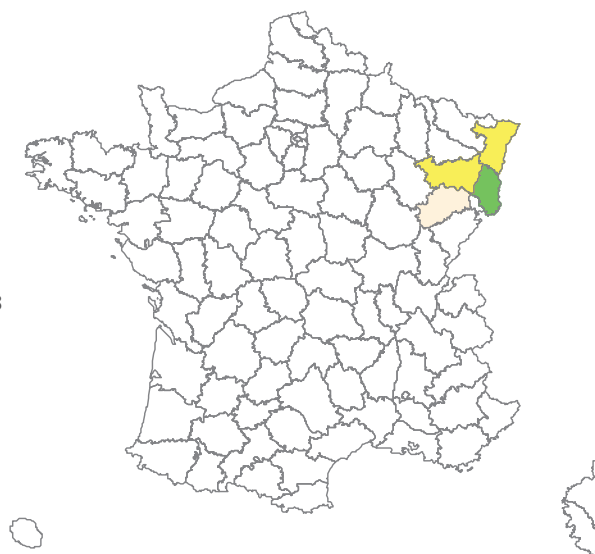
# Detailed results per breed

**Breed VOSGIENNE**  
(French breed code : 57)

Geographical distribution of qualified lactations of Vosgienne breed <sup>1</sup>



$\geq 71$  &  $< 100$   
  $\geq 100$  &  $< 500$   
  $\geq 500$  &  $\leq 598$

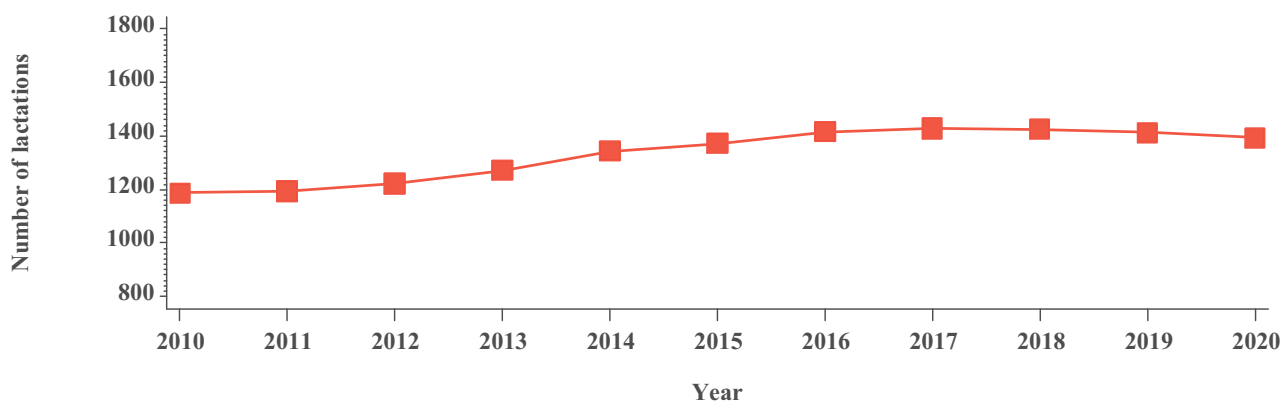


<sup>1</sup>Only local areas that count up more than 40 lactations for Vosgienne breed are shown on the map

## 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	372	37	284	<b>3,550</b>	134	37.9	115	32.3	249	70.2	
2nd lactation	304	50	277	<b>3,883</b>	146	37.5	124	31.9	270	69.4	399
3rd lactation	220	62	281	<b>4,326</b>	161	37.3	136	31.5	298	68.9	398
4th lactation	151	76	292	<b>4,631</b>	170	36.8	145	31.2	315	68.0	396
5th lactation	104	89	282	<b>4,153</b>	154	37.1	131	31.6	285	68.7	406
6th lactation	86	100	289	<b>4,588</b>	169	36.9	143	31.1	312	68.0	393
7th lactation	66	113	293	<b>4,577</b>	170	37.0	142	31.1	312	68.1	421
Lactation 8 and over	90	140	278	<b>4,206</b>	152	36.2	130	31.0	283	67.2	409
<b>All lactations</b>	<b>1,393</b>		<b>283</b>	<b>4,063</b>	<b>151</b>	<b>37.3</b>	<b>129</b>	<b>31.7</b>	<b>280</b>	<b>69.0</b>	<b>401</b>

Evolution of the number of qualified lactations for Vosgienne breed



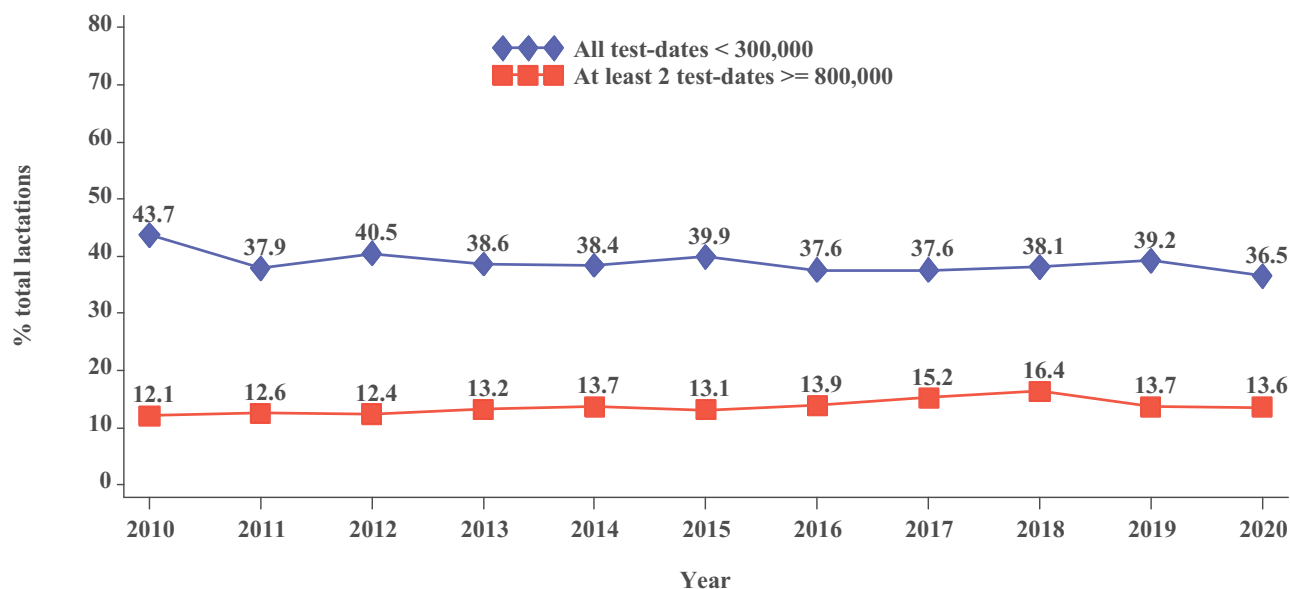


## Herd distribution<sup>1</sup> per milk yield level

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	7.9	67	7.4	1,700	37.8	31.2	197	1,656	400
>=3000 & <4000 kg	19	50.0	447	49.1	3,584	37.2	31.2	278	3,470	405
>=4000 & <5000 kg	12	31.6	274	30.1	4,318	36.9	31.8	290	4,141	393
>=5000 kg	4	10.5	123	13.5	5,452	37.1	32.1	303	5,251	389
<b>Overall total</b>	<b>38</b>	<b>100</b>	<b>911</b>	<b>100</b>	<b>3,919</b>	<b>37.1</b>	<b>31.6</b>	<b>279</b>	<b>3,779</b>	<b>399</b>

## 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	%	
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
2020	189	13.6	509	36.5	695	49.9	1,393



<sup>1</sup>Pure-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.



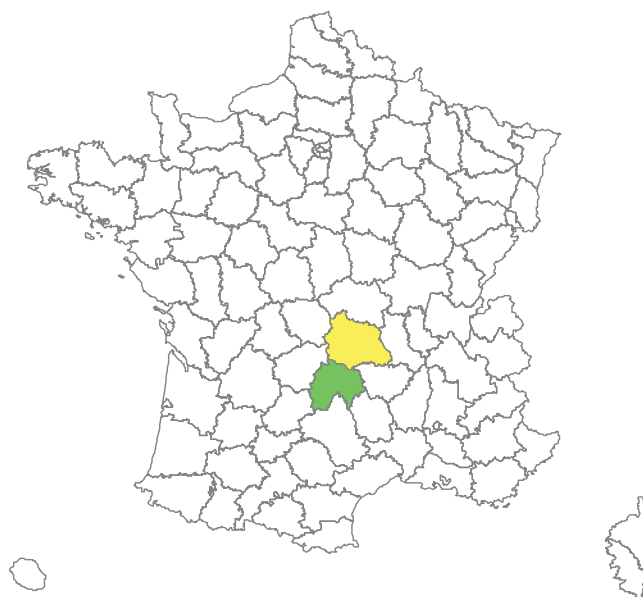
# Detailed results per breed

**Breed SALERS**  
(French breed code : 23)

Geographical distribution of qualified lactations of Salers breed <sup>1</sup>



235  
745

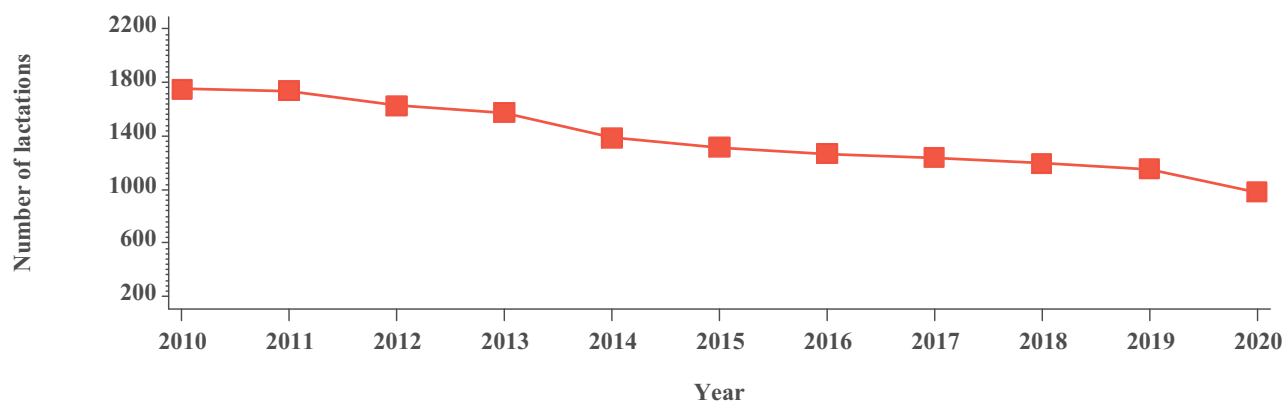


<sup>1</sup>Only local areas that count up more than 40 lactations for Salers breed are shown on the map

## 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	217	36	226	<b>1,941</b>	69	35.3	65	33.2	133	68.6	
2nd lactation	152	48	228	<b>2,201</b>	76	34.3	73	33.4	149	67.7	383
3rd lactation	140	62	229	<b>2,384</b>	80	33.7	79	33.0	159	66.7	364
4th lactation	102	73	226	<b>2,428</b>	83	34.2	79	32.6	162	66.8	372
5th lactation	89	84	225	<b>2,445</b>	82	33.6	80	32.8	162	66.3	373
6th lactation	81	97	225	<b>2,520</b>	83	33.1	83	32.9	166	66.0	374
7th lactation	63	108	228	<b>2,442</b>	81	33.2	81	33.0	162	66.2	363
Lactation 8 and over	136	138	225	<b>2,427</b>	82	33.6	79	32.7	161	66.3	373
<b>All lactations</b>	<b>980</b>		<b>227</b>	<b>2,289</b>	<b>78</b>	<b>34.0</b>	<b>75</b>	<b>33.0</b>	<b>153</b>	<b>67.0</b>	<b>373</b>

Evolution of the number of qualified lactations for Salers breed

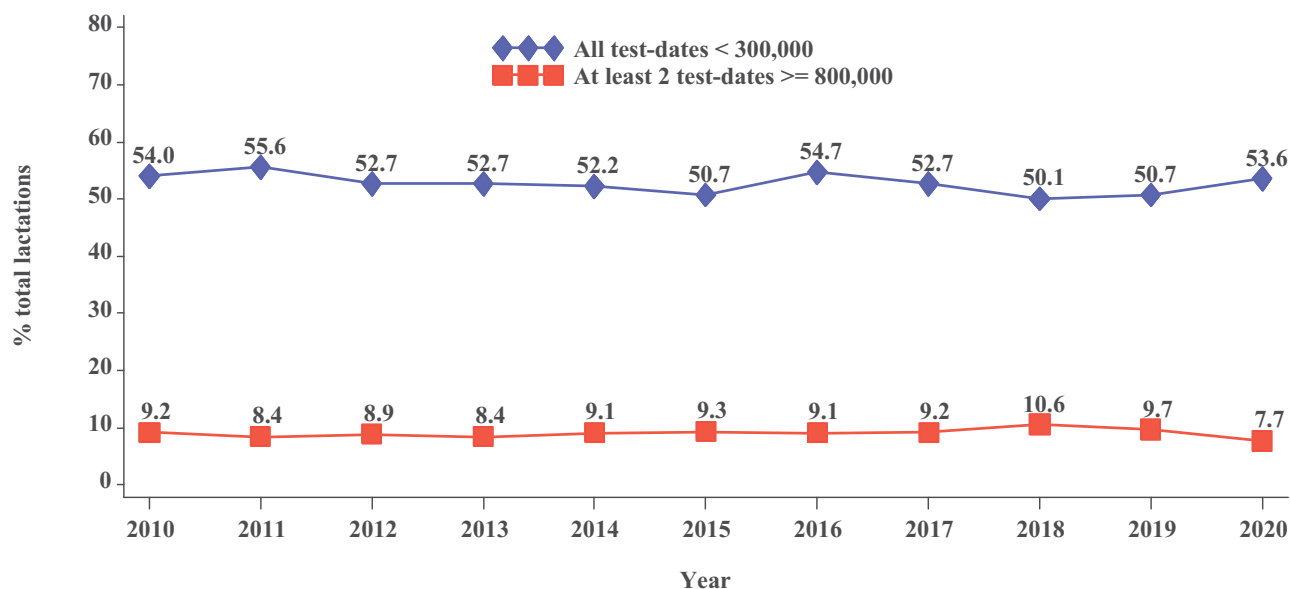


### Herd distribution<sup>1</sup> per milk yield level

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	10	38.5	311	32.4	1,636	33.6	32.2	195	1,628	373
>=2000 & <3000 kg	14	53.8	529	55.0	2,438	33.6	33.2	235	2,437	373
>=3000 kg	2	7.7	121	12.6	3,336	36.1	33.5	277	3,324	366
<b>Overall total</b>	<b>26</b>	<b>100</b>	<b>961</b>	<b>100</b>	<b>2,292</b>	<b>34.0</b>	<b>33.0</b>	<b>228</b>	<b>2,287</b>	<b>372</b>

### 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	%	
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
2020	75	7.7	525	53.6	380	38.8	980



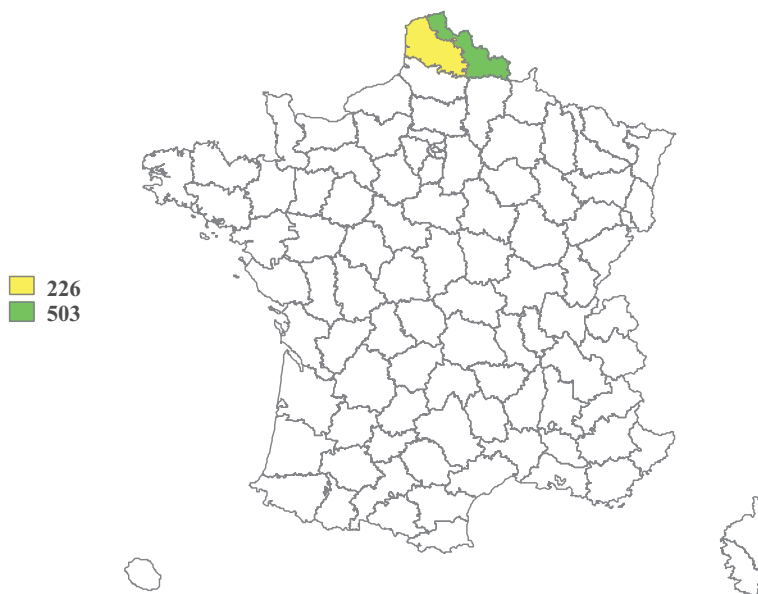
<sup>1</sup>Pure-bred herds only: A herd is considered as pure-bred when at least 80% of the total number of cows that belong to this herd has the same breed code.



# Detailed results per breed

**Breed ROUGE FLAMANDE**  
(French breed code : 63)

Geographical distribution of qualified lactations of Rouge Flamande breed <sup>1</sup>

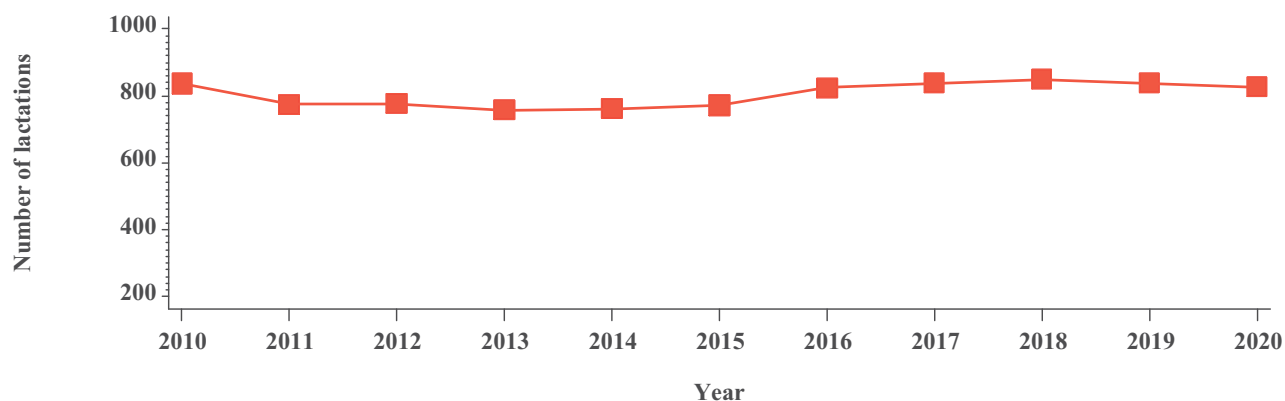


<sup>1</sup>Only local areas that count up more than 40 lactations for Rouge Flamande breed are shown on the map

## 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	259	33	321	<b>5,084</b>	202	39.7	169	33.2	371	73.0	
2nd lactation	204	46	307	<b>5,621</b>	227	40.4	187	33.3	414	73.7	394
3rd lactation	127	59	304	<b>5,640</b>	224	39.7	183	32.4	407	72.1	388
4th lactation	113	72	301	<b>5,791</b>	227	39.2	186	32.2	414	71.4	388
5th lactation	61	83	300	<b>5,892</b>	234	39.8	189	32.1	423	71.9	387
6th lactation	40	97	280	<b>5,854</b>	228	39.0	186	31.8	415	70.8	383
7th lactation	12	106	289	<b>6,255</b>	244	39.0	207	33.1	450	72.0	401
Lactation 8 and over	10	133	331	<b>4,451</b>	167	37.6	134	30.0	301	67.7	397
<b>All lactations</b>	<b>826</b>		<b>308</b>	<b>5,505</b>	<b>219</b>	<b>39.8</b>	<b>180</b>	<b>32.8</b>	<b>399</b>	<b>72.5</b>	<b>390</b>

Evolution of the number of qualified lactations for Rouge Flamande breed

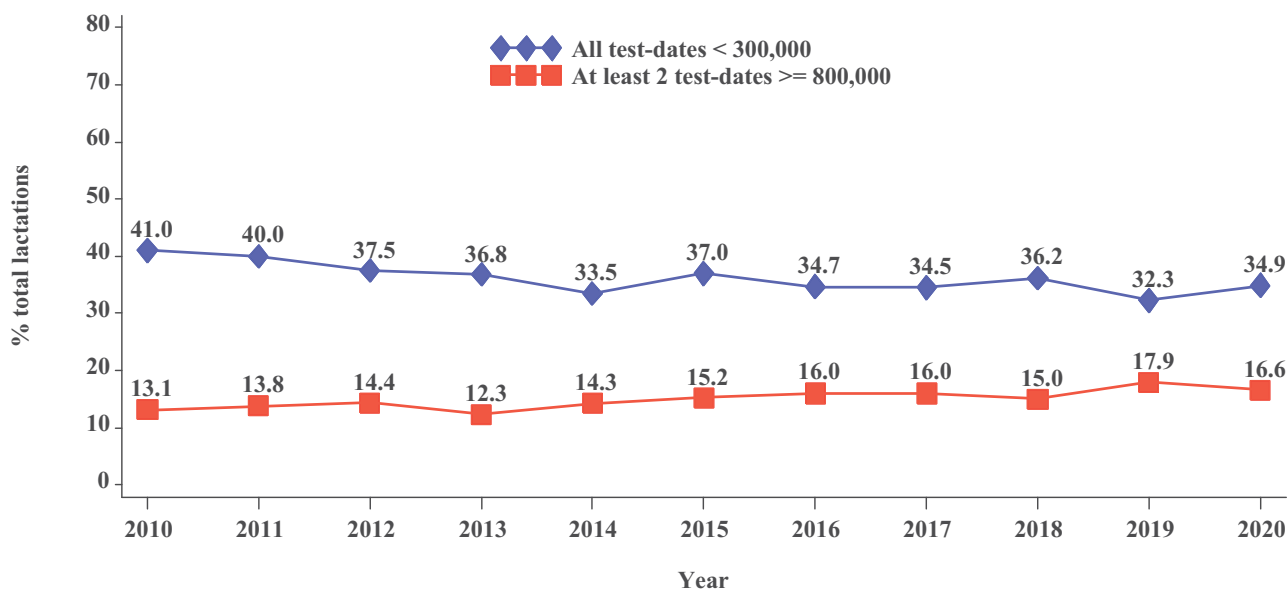


## Herd distribution<sup>1</sup> per milk yield level

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	3	37.5	98	29.3	4,441	35.4	31.4	319	4,171	384
>=5000 & <6000 kg	2	25.0	87	26.0	5,310	39.4	32.4	311	4,972	386
>=6000 kg	3	37.5	150	44.8	6,269	40.9	33.4	331	5,606	393
<b>Overall total</b>	<b>8</b>	<b>100</b>	<b>335</b>	<b>100</b>	<b>5,485</b>	<b>39.2</b>	<b>32.7</b>	<b>323</b>	<b>5,022</b>	<b>388</b>

## 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	%	
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
2020	137	16.6	288	34.9	401	48.5	826



<sup>1</sup>Pure-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	181	35	292	<b>4,365</b>	168	38.4	142	32.5	309	70.9	
2nd lactation	129	48	283	<b>5,003</b>	191	38.1	161	32.2	352	70.4	382
3rd lactation	87	62	281	<b>5,092</b>	189	37.1	162	31.8	351	68.9	384
4th lactation	54	73	287	<b>5,308</b>	201	37.9	168	31.6	369	69.5	394
5th lactation	50	84	256	<b>4,846</b>	177	36.6	149	30.7	326	67.3	377
6th lactation	22	97	291	<b>5,216</b>	195	37.4	162	31.1	357	68.5	390
7th lactation	7	112	243	<b>4,335</b>	143	33.0	132	30.4	275	63.5	389
Lactation 8 and over	18	128	302	<b>5,463</b>	195	35.7	165	30.1	359	65.8	381
<b>All lactations</b>	<b>548</b>		<b>284</b>	<b>4,837</b>	<b>182</b>	<b>37.7</b>	<b>154</b>	<b>31.9</b>	<b>337</b>	<b>69.6</b>	<b>384</b>

## 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	55	31	248	<b>1,833</b>	79	42.9	61	33.1	139	76.1	
2nd lactation	37	45	253	<b>2,230</b>	96	43.2	75	33.7	171	76.9	397
3rd lactation	20	58	273	<b>2,687</b>	123	45.9	89	33.1	212	79.0	384
4th lactation	20	69	275	<b>2,916</b>	131	44.8	96	32.9	227	77.7	373
5th lactation	15	82	245	<b>2,568</b>	116	45.3	84	32.7	200	78.0	386
6th lactation	12	98	294	<b>2,999</b>	126	42.0	100	33.3	226	75.3	395
7th lactation	9	104	199	<b>2,720</b>	121	44.4	84	31.0	205	75.4	433
Lactation 8 and over	15	135	234	<b>2,577</b>	112	43.3	81	31.3	192	74.6	405
<b>All lactations</b>	<b>183</b>		<b>254</b>	<b>2,366</b>	<b>104</b>	<b>43.9</b>	<b>78</b>	<b>32.9</b>	<b>182</b>	<b>76.7</b>	<b>393</b>



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

## 3.1.a - Qualified lactations per protocol and local area

Département	Protocoles																												LACTATIONS QUALIFIEES	LACTATIONS NON QUALIFIEES
	A		AR		AR*		AT		AT*		B		BR		BR*		BT		BT*		BZ		BZ*		CZ		CZ*			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%		
Ain	15,907	48.7					4,957	15.2	5,028	15.4	2,510	7.7	710	2.2	3,403	10.4	30	0.1	90	0.3	6	0.0	27	0.1					32,668	1,193
Aisne	16,271	87.0	1,098	5.9	511	2.7	92	0.5	528	2.8	195	1.0																18,695	875	
Allier	1,924	45.9					1,715	40.9	420	10.0	10	0.2					93	2.2	29	0.7								4,191	90	
Alpes Hte Provence			30	5.0	149	24.6	292	48.3	89	14.7							36	6.0	9	1.5								605	6	
Hautes Alpes	756	30.8					362	14.7	42	1.7	870	35.4	33	1.3	65	2.6	254	10.3	74	3.0								2,456	78	
Alpes Maritimes							93	80.9	22	19.1																		115	5	
Ardèche	323	5.3	59	1.0	230	3.8	3,732	61.4	1,654	27.2							11	0.2	70	1.2								6,079	237	
Ardennes	6,537	48.4					2,235	16.5	1,275	9.4	2,062	15.3	225	1.7	968	7.2	97	0.7	65	0.5					43	0.3	13,507	535		
Ariège	160	5.9					545	20.1	1,988	73.3	18	0.7																2,711	59	
Aube	734	11.4	175	2.7	763	11.8	609	9.4	158	2.4	145	2.2	39	0.6	183	2.8								2,100	32.5	1,556	24.1	6,462	154	
Aude	83	23.1					78	21.7	199	55.3																		360	62	
Aveyron	65	0.2	299	0.9	1,425	4.1	5,234	15.2	24,352	70.9			395	1.1	1,946	5.7					54	0.2	358	1.0	28	0.1	196	0.6	34,352	858
Bouches du Rhône							2	66.7									1	33.3										3	0	
Calvados	22,039	43.1	723	1.4	2,340	4.6	3,625	7.1	14,949	29.2	1,939	3.8	1,026	2.0	2,963	5.8	24	0.0	210	0.4	48	0.1	336	0.7	142	0.3	805	1.6	51,169	3,662
Cantal	3,824	8.2	183	0.4	1,037	2.2	6,616	14.3	28,476	61.4	791	1.7	242	0.5	1,497	3.2	430	0.9	2,048	4.4	58	0.1	239	0.5	160	0.3	762	1.6	46,363	1,394
Charente	3,284	58.1	51	0.9	156	2.8	385	6.8	1,056	18.7	523	9.3	50	0.9	71	1.3									21	0.4	55	1.0	5,652	195
Charente Maritime	4,747	55.7	100	1.2	201	2.4	352	4.1	971	11.4	704	8.3	460	5.4	824	9.7	28	0.3	137	1.6								8,524	309	
Cher	1,778	55.5	63	2.0	305	9.5	36	1.1	42	1.3	36	1.1	41	1.3	190	5.9								435	13.6	279	8.7	3,205	307	
Corrèze	159	3.3	7	0.1	34	0.7	910	18.9	3,577	74.3			14	0.3	116	2.4												4,817	203	
Côte d'Or	5,592	46.7	250	2.1	978	8.2	1,260	10.5	420	3.5	3	0.0	362	3.0	1,339	11.2					30	0.3	139	1.2	1,024	8.5	588	4.9	11,985	535
Côtes d'Armor	46,605	43.0	312	0.3	390	0.4	17,465	16.1	10,832	10.0	13,128	12.1	6,653	6.1	9,890	9.1	375	0.3	483	0.4	161	0.1	364	0.3	990	0.9	782	0.7	108,430	4,588
Creuse	1,864	59.5	6	0.2	49	1.6	887	28.3	295	9.4					31	1.0												3,132	112	
Dordogne	2,666	27.9					1,049	11.0	4,429	46.3	185	1.9	248	2.6	898	9.4	16	0.2	76	0.8								9,567	451	
Doubs	76,951	92.7	409	0.5	2,030	2.4	1,913	2.3	812	1.0	909	1.1	4	0.0	25	0.0												83,053	2,509	
Drôme	626	22.1	80	2.8	436	15.4	1,065	37.6	622	22.0																		2,829	87	
Eure	10,232	66.5	434	2.8	1,069	7.0	685	4.5	2,248	14.6	128	0.8	78	0.5	166	1.1								64	0.4	275	1.8	15,379	1,076	
Eure & Loir	3,482	66.4	52	1.0	212	4.0	98	1.9	180	3.4	86	1.6	334	6.4	803	15.3												5,247	125	
Finistère	50,840	55.5	246	0.3	307	0.3	11,675	12.7	6,210	6.8	10,531	11.5	3,736	4.1	5,031	5.5	471	0.5	361	0.4	114	0.1	338	0.4	918	1.0	874	1.0	91,652	4,063
Haute Garonne	1,587	25.2	134	2.1	650	10.3	784	12.5	2,888	45.9							54	0.9	174	2.8				6	0.1	17	0.3	6,294	98	
Gers	341	27.0	23	1.8	88	7.0	117	9.2	692	54.7	4	0.3																1,265	65	
Gironde	1,350	42.6	26	0.8	171	5.4	362	11.4	1,224	38.6	22	0.7			8	0.3	1	0.0						2	0.1	4	0.1	3,170	148	
Hérault							21	23.3	69	76.7																		90	3	
Ille & Vilaine	55,553	31.7	428	0.2	2,309	1.3	17,046	9.7	50,453	28.8	21,101	12.1	5,405	3.1	15,237	8.7	256	0.1	1,707	1.0	182	0.1	1,134	0.6	855	0.5	3,385	1.9	175,051	7,617
Indre	675	18.2					83	2.2	53	1.4	2,019	54.5	276	7.4	600	16.2								1	0.0			3,707	477	
Indre & Loire	6,509	54.9	129	1.1	567	4.8	197	1.7	460	3.9	1,731	14.6	558	4.7	1,689	14.3							7	0.1				11,847	438	
Isère	9,958	54.1	347	1.9	1,221	6.6	4,334	23.5	2,123	11.5	292	1.6	10	0.1	119	0.6												18,404	485	
Jura	40,601	87.4					548	1.2	939	2.0	3,271	7.0	140	0.3	722	1.6					12	0.0	197	0.4				46,430	1,364	





### 3.1.a - Qualified lactations per protocol and local area

Département	Protocoles																												LACTATIONS QUALIFIEES	LACTATIONS NON QUALIFIEES		
	A		AR		AR*		AT		AT*		B		BR		BR*		BT		BT*		BZ		BZ*		CZ		CZ*					
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%			Nb	%
Landes	1,937	50.4	84	2.2	275	7.2	183	4.8	701	18.2			124	3.2	541	14.1														3,845	106	
Loir & Cher	3,691	47.6	324	4.2	1,191	15.4	45	0.6	163	2.1	926	11.9	229	3.0	1,142	14.7					3	0.0	42	0.5					7,756	404		
Loire	23,253	67.6	8	0.0	159	0.5	1,734	5.0	938	2.7	5,511	16.0	509	1.5	2,310	6.7									1	0.0			34,423	984		
Haute Loire	18,611	47.9	954	2.5	3,730	9.6	5,619	14.5	5,974	15.4	2,354	6.1	18	0.0	120	0.3	197	0.5	59	0.2					581	1.5	617	1.6	38,834	1,050		
Loire Atlantique	35,626	40.6	23	0.0	136	0.2	6,839	7.8	25,620	29.2	5,431	6.2	2,466	2.8	7,372	8.4	352	0.4	1,557	1.8	122	0.1	379	0.4	325	0.4	1,403	1.6	87,651	3,040		
Loiret	508	10.0	290	5.7	1,053	20.7	268	5.3	249	4.9	320	6.3			30	0.6											1,298	25.6	1,063	20.9	5,079	220
Lot	167	2.0	165	2.0	794	9.6	1,389	16.9	5,596	68.0	71	0.9									8	0.1	43	0.5					8,233	215		
Lot & Garonne	1,766	28.6	72	1.2	361	5.8	726	11.8	3,224	52.2	27	0.4																	6,176	231		
Lozère	152	2.1					970	13.2	5,133	69.7	73	1.0	89	1.2	470	6.4										79	1.1	400	5.4	7,366	136	
Maine & Loire	14,343	22.7	16	0.0	282	0.4	1,660	2.6	6,412	10.2	25,096	39.8	2,675	4.2	10,196	16.2	488	0.8	1,400	2.2	42	0.1	161	0.3	61	0.1	242	0.4	63,074	2,529		
Manche	81,258	64.7	603	0.5	2,334	1.9	4,009	3.2	16,247	12.9	9,138	7.3	1,877	1.5	5,955	4.7	100	0.1	439	0.3	118	0.1	986	0.8	358	0.3	2,117	1.7	125,539	9,851		
Marne	2,662	69.4	263	6.9	909	23.7																							3,834	407		
Haute Marne	11,653	48.1	573	2.4	2,166	8.9	141	0.6	3,849	15.9	409	1.7	892	3.7	3,516	14.5										91	0.4	912	3.8	24,202	1,290	
Mayenne	49,572	42.0	1,787	1.5	5,890	5.0	6,840	5.8	24,429	20.7	17,832	15.1	1,793	1.5	5,738	4.9	297	0.3	1,838	1.6	60	0.1	362	0.3	247	0.2	1,309	1.1	117,994	4,327		
Meurthe & Moselle	8,754	38.5	230	1.0	3	0.0	795	3.5	365	1.6	1,699	7.5	5,880	25.9	882	3.9	422	1.9	415	1.8	298	1.3	1,750	7.7	276	1.2	957	4.2	22,726	1,050		
Meuse	12,253	48.6	255	1.0	4	0.0	1,124	4.5	1,232	4.9	3,123	12.4	3,792	15.0	532	2.1	452	1.8	407	1.6	163	0.6	918	3.6	218	0.9	760	3.0	25,233	1,095		
Morbihan	50,726	55.7	28	0.0	30	0.0	10,164	11.2	5,118	5.6	12,944	14.2	4,103	4.5	5,920	6.5	992	1.1	1,034	1.1	41	0.0	26	0.0	13	0.0			91,139	3,268		
Moselle	20,783	70.3	816	2.8	4,231	14.3	683	2.3	651	2.2	1,163	3.9	124	0.4	547	1.9	109	0.4	114	0.4	139	0.5	88	0.3	44	0.1	63	0.2	29,555	1,670		
Nièvre	189	21.5	14	1.6	79	9.0	197	22.4	83	9.4	100	11.4	40	4.5	106	12.0											55	6.2	18	2.0	881	36
Nord	37,321	78.7	3,077	6.5	1,141	2.4	425	0.9	565	1.2	4,174	8.8	529	1.1	141	0.3			62	0.1									47,435	3,116		
Oise	8,573	86.2	391	3.9	66	0.7	152	1.5	445	4.5	263	2.6	59	0.6															9,949	551		
Orne	18,469	26.4	475	0.7	1,366	1.9	3,495	5.0	11,603	16.6	19,339	27.6	2,673	3.8	8,014	11.4	666	1.0	2,573	3.7	126	0.2	464	0.7	169	0.2	635	0.9	70,067	3,294		
Pas de Calais	32,337	79.2	271	0.7	5	0.0	665	1.6	406	1.0	5,746	14.1	1,249	3.1	37	0.1	70	0.2	21	0.1									40,807	2,909		
Puy de Dôme	10,588	29.0	359	1.0	1,828	5.0	16,405	44.9	6,445	17.7	583	1.6	1	0.0	2	0.0	94	0.3	127	0.3					10	0.0	62	0.2	36,504	934		
Pyrénées Atlantiques	6,132	52.1	249	2.1	631	5.4	423	3.6	1,729	14.7	327	2.8	258	2.2	866	7.4	40	0.3	51	0.4	31	0.3	209	1.8	187	1.6	627	5.3	11,760	402		
Hautes Pyrénées	467	15.9	129	4.4	392	13.4	253	8.6	1,258	43.0	391	13.4					9	0.3	29	1.0									2,928	99		
Pyrénées Orientales	85	40.5					29	13.8	96	45.7																			210	19		
Bas Rhin	8,658	36.4	35	0.1	187	0.8	797	3.3	762	3.2	230	1.0	1,745	7.3	6,502	27.3														23,814	1,063	
Haut Rhin	3,872	31.2	30	0.2	109	0.9	955	7.7	904	7.3	498	4.0	315	2.5	1,450	11.7	1	0.0	26	0.2	413	3.3	393	3.2	1,837	14.8	1,593	12.9	12,396	819		
Rhône	10,119	50.3	163	0.8	707	3.5	6,923	34.4	2,184	10.9	1	0.0	3	0.0	1	0.0													20,101	644		
Haute Saône	24,077	75.0	855	2.7	4,187	13.0	1,386	4.3	666	2.1	775	2.4	2	0.0	8	0.0									5	0.0	38	0.1	115	0.4	32,114	978
Saône & Loire	2,234	14.2	87	0.6	730	4.6	7,793	49.6	2,800	17.8	321	2.0	207	1.3	1,360	8.7	129	0.8	56	0.4									15,717	458		
Sarthe	20,770	46.4	1,028	2.3	3,795	8.5	1,573	3.5	6,451	14.4	5,222	11.7	1,514	3.4	3,813	8.5	37	0.1	192	0.4	52	0.1	198	0.4	56	0.1	86	0.2	44,787	1,727		
Savoie	2,158	9.4	73	0.3	501	2.2	2,524	11.0	13,038	56.9	1,719	7.5	241	1.1	1,309	5.7	264	1.2	956	4.2	1	0.0	11	0.0	26	0.1	110	0.5	22,931	726		
Haute Savoie	8,727	24.2	74	0.2	644	1.8	2,566	7.1	14,359	39.8	4,764	13.2	463	1.3	2,855	7.9	137	0.4	1,145	3.2	29	0.1	186	0.5	29	0.1	145	0.4	36,123	1,227		
Seine Maritime	39,486	82.7	345	0.7	1,229	2.6	1,023	2.1	3,602	7.5	1,052	2.2	93	0.2	324	0.7					18	0.0	108	0.2	126	0.3	346	0.7	47,752	1,912		
Seine & Marne	1,797	66.3	108	4.0	599	22.1	35	1.3	109	4.0																	19	0.7	44	1.6	2,711	94
Yvelines	679	54.8					53	4.3	150	12.1	356	28.8																	1,238	174		
Deux Sèvres	7,237	33.3	741	3.4	1,711	7.9	45	0.2	5,681	26.1	2,789	12.8	187	0.9	367	1.7	30	0.1	90	0.4	26	0.1	152	0.7	424	2.0	2,261	10.4	21,741	920		
Somme	17,854	75.6	2,584	10.9	176	0.7	196	0.8	151	0.6	2,133	9.0	188	0.8	199	0.8											20	0.1	102	0.4	23,603	1,563





### 3.1.a - Qualified lactations per protocol and local area

Département	Protocoles																												LACTATIONS QUALIFIEES	LACTATIONS NON QUALIFIEES		
	A		AR		AR*		AT		AT*		B		BR		BR*		BT		BT*		BZ		BZ*		CZ		CZ*					
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%			Nb	%
Tarn	1,890	19.7	278	2.9	1,158	12.1	1,180	12.3	5,068	52.8											1	0.0	24	0.3							9,599	250
Tarn & Garonne	41	1.2	55	1.6	242	7.1	536	15.8	1,980	58.4							67	2.0	425	12.5	13	0.4	32	0.9							3,391	100
Var							8	66.7	4	33.3																			12	1		
Vendée	29,634	55.3	125	0.2	517	1.0	467	0.9	1,714	3.2	10,202	19.0	2,403	4.5	6,380	11.9	190	0.4	409	0.8	100	0.2	396	0.7	352	0.7	719	1.3	53,608	1,954		
Vienne	2,445	38.0	156	2.4	635	9.9	395	6.1	1,439	22.3	506	7.9	103	1.6	422	6.6					11	0.2	122	1.9	51	0.8	157	2.4	6,442	310		
Haute Vienne	2,643	58.2	119	2.6	466	10.3	251	5.5	774	17.0	7	0.2	22	0.5	97	2.1	17	0.4	99	2.2					8	0.2	37	0.8	4,540	284		
Vosges	14,725	36.4	283	0.7	99	0.2	4,377	10.8	4,152	10.3	4,558	11.3	8,329	20.6	1,658	4.1	887	2.2	839	2.1	104	0.3	333	0.8	24	0.1	94	0.2	40,462	1,928		
Yonne	513	6.2	188	2.3	589	7.1	566	6.8	202	2.4	409	4.9	36	0.4	208	2.5									3,316	39.8	2,304	27.7	8,331	237		
Territoire de Belfort	2,556	66.7	195	5.1	1,071	28.0					1	0.0	1	0.0	7	0.2													3,831	126		
Essonne	25	100.0																											25	2		
Val d'Oise	175	100.0																											175	2		
Réunion	2,542	100.0																											2,542	112		
Total	1,050,756	47.7	24,642	1.1	66,036	3.0	190,341	8.6	364,496	16.6	215,796	9.8	66,271	3.0	130,181	5.9	8,224	0.4	19,896	0.9	2,957	0.1	10,735	0.5	19,557	0.9	30,764	1.4	2,200,652	95,307		



### 3.1.b - Qualified lactations per method and local area

Département	Méthodes												LACTATIONS QUALIFIEES	LACTATIONS NON QUALIFIEES
	4		5		6*		7		8*		9			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%		
Ain	18,750	57.4	6,472	19.8	2,513	7.7	1,597	4.9	2,072	6.3	1,264	3.9	32,668	1,193
Aisne	8,151	43.6	3,158	16.9	1,904	10.2	1,631	8.7	1,715	9.2	2,136	11.4	18,695	875
Allier	3,238	77.3	489	11.7	55	1.3	37	0.9	254	6.1	118	2.8	4,191	90
Alpes Hte Provence	507	83.8	72	11.9	6	1.0	8	1.3	8	1.3	4	0.7	605	6
Hautes Alpes	390	15.9	879	35.8	595	24.2	267	10.9	126	5.1	199	8.1	2,456	78
Alpes Maritimes	64	55.7	19	16.5	4	3.5	3	2.6	6	5.2	19	16.5	115	5
Ardèche	3,587	59.0	961	15.8	623	10.2	314	5.2	302	5.0	292	4.8	6,079	237
Ardennes	3,324	24.6	5,707	42.3	1,982	14.7	802	5.9	1,082	8.0	610	4.5	13,507	535
Ariège	1,545	57.0	753	27.8	186	6.9	54	2.0	125	4.6	48	1.8	2,711	59
Aube	2,898	44.8	842	13.0	1,449	22.4	285	4.4	807	12.5	181	2.8	6,462	154
Aude	4	1.1	118	32.8	112	31.1	20	5.6	76	21.1	30	8.3	360	62
Aveyron	9,079	26.4	15,264	44.4	4,668	13.6	2,012	5.9	1,890	5.5	1,439	4.2	34,352	858
Bouches du Rhône	1	33.3	2	66.7									3	0
Calvados	10,382	20.3	18,779	36.7	9,556	18.7	4,297	8.4	5,240	10.2	2,915	5.7	51,169	3,662
Cantal	18,893	40.8	20,294	43.8	3,384	7.3	1,040	2.2	1,143	2.5	1,609	3.5	46,363	1,394
Charente	1,204	21.3	1,903	33.7	1,007	17.8	688	12.2	508	9.0	342	6.1	5,652	195
Charente Maritime	4,700	55.1	1,575	18.5	683	8.0	532	6.2	867	10.2	167	2.0	8,524	309
Cher	962	30.0	352	11.0	645	20.1	449	14.0	536	16.7	261	8.1	3,205	307
Corrèze	2,609	54.2	600	12.5	507	10.5	553	11.5	391	8.1	157	3.3	4,817	203
Côte d'Or	4,720	39.4	1,726	14.4	2,660	22.2	823	6.9	1,166	9.7	890	7.4	11,985	535
Côtes d'Armor	15,516	14.3	33,384	30.8	23,880	22.0	15,838	14.6	10,781	9.9	9,031	8.3	108,430	4,588
Creuse	591	18.9	1,274	40.7	753	24.0	222	7.1	160	5.1	132	4.2	3,132	112
Dordogne	3,316	34.7	1,947	20.4	1,063	11.1	914	9.6	1,364	14.3	963	10.1	9,567	451
Doubs	27,204	32.8	19,177	23.1	12,675	15.3	11,920	14.4	7,279	8.8	4,798	5.8	83,053	2,509
Drôme	1,167	41.3	962	34.0	232	8.2	208	7.4	73	2.6	187	6.6	2,829	87
Eure	7,681	49.9	2,836	18.4	1,507	9.8	1,020	6.6	1,356	8.8	979	6.4	15,379	1,076
Eure & Loir	2,030	38.7	1,236	23.6	769	14.7	544	10.4	259	4.9	409	7.8	5,247	125
Finistère	13,358	14.6	24,923	27.2	19,458	21.2	18,082	19.7	9,847	10.7	5,984	6.5	91,652	4,063
Haute Garonne	4,345	69.0	1,006	16.0	344	5.5	294	4.7	166	2.6	139	2.2	6,294	98
Gers	473	37.4	108	8.5	214	16.9	300	23.7	130	10.3	40	3.2	1,265	65
Gironde	1,976	62.3	475	15.0	134	4.2	268	8.5	230	7.3	87	2.7	3,170	148
Hérault	18	20.0	36	40.0	4	4.4			30	33.3	2	2.2	90	3
Ille & Vilaine	68,048	38.9	36,450	20.8	25,391	14.5	17,969	10.3	15,307	8.7	11,886	6.8	175,051	7,617
Indre	203	5.5	1,139	30.7	789	21.3	362	9.8	736	19.9	478	12.9	3,707	477
Indre & Loire	5,388	45.5	3,047	25.7	1,059	8.9	907	7.7	1,016	8.6	430	3.6	11,847	438
Isère	8,153	44.3	6,004	32.6	2,216	12.0	976	5.3	617	3.4	438	2.4	18,404	485
Jura	22,178	47.8	8,917	19.2	5,089	11.0	5,737	12.4	2,590	5.6	1,919	4.1	46,430	1,364
Landes	977	25.4	1,623	42.2	373	9.7	403	10.5	419	10.9	50	1.3	3,845	106
Loir & Cher	3,748	48.3	903	11.6	716	9.2	539	6.9	679	8.8	1,171	15.1	7,756	404
Loire	11,168	32.4	15,015	43.6	3,490	10.1	2,646	7.7	1,198	3.5	906	2.6	34,423	984



### 3.1.b - Qualified lactations per method and local area

Département	Méthodes												LACTATIONS QUALIFIEES	LACTATIONS NON QUALIFIEES
	4		5		6*		7		8*		9			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%		
Haute Loire	16,649	42.9	12,691	32.7	4,537	11.7	1,584	4.1	2,276	5.9	1,097	2.8	38,834	1,050
Loire Atlantique	49,713	56.7	15,463	17.6	8,246	9.4	4,941	5.6	7,300	8.3	1,988	2.3	87,651	3,040
Loiret	1,899	37.4	1,041	20.5	565	11.1	272	5.4	872	17.2	430	8.5	5,079	220
Lot	3,532	42.9	2,200	26.7	1,119	13.6	472	5.7	403	4.9	507	6.2	8,233	215
Lot & Garonne	4,396	71.2	909	14.7	182	2.9	139	2.3	143	2.3	407	6.6	6,176	231
Lozère	1,059	14.4	4,730	64.2	990	13.4	296	4.0	169	2.3	122	1.7	7,366	136
Maine & Loire	25,170	39.9	17,509	27.8	7,411	11.7	4,452	7.1	6,907	11.0	1,625	2.6	63,074	2,529
Manche	48,734	38.8	24,221	19.3	18,876	15.0	11,873	9.5	13,478	10.7	8,357	6.7	125,539	9,851
Marne	373	9.7	818	21.3	596	15.5	1,051	27.4	600	15.6	396	10.3	3,834	407
Haute Marne	6,241	25.8	4,837	20.0	4,031	16.7	3,410	14.1	4,353	18.0	1,330	5.5	24,202	1,290
Mayenne	64,336	54.5	24,626	20.9	8,430	7.1	6,058	5.1	10,316	8.7	4,228	3.6	117,994	4,327
Meurthe & Moselle	10,918	48.0	3,341	14.7	1,747	7.7	1,849	8.1	2,975	13.1	1,896	8.3	22,726	1,050
Meuse	11,990	47.5	3,146	12.5	2,001	7.9	1,685	6.7	3,407	13.5	3,004	11.9	25,233	1,095
Morbihan	11,754	12.9	28,758	31.6	22,081	24.2	15,775	17.3	8,032	8.8	4,739	5.2	91,139	3,268
Moselle	11,858	40.1	5,568	18.8	3,235	10.9	3,107	10.5	4,346	14.7	1,441	4.9	29,555	1,670
Nièvre	452	51.3	111	12.6	140	15.9	95	10.8	56	6.4	27	3.1	881	36
Nord	11,057	23.3	12,996	27.4	7,069	14.9	5,499	11.6	4,448	9.4	6,366	13.4	47,435	3,116
Oise	4,404	44.3	2,202	22.1	946	9.5	695	7.0	738	7.4	964	9.7	9,949	551
Orne	20,016	28.6	22,127	31.6	9,417	13.4	5,495	7.8	8,811	12.6	4,201	6.0	70,067	3,294
Pas de Calais	11,528	28.3	7,814	19.1	6,285	15.4	5,339	13.1	5,160	12.6	4,681	11.5	40,807	2,909
Puy de Dôme	9,829	26.9	10,770	29.5	5,678	15.6	3,768	10.3	4,008	11.0	2,451	6.7	36,504	934
Pyrénées Atlantiques	2,521	21.4	5,225	44.4	1,533	13.0	994	8.5	1,055	9.0	432	3.7	11,760	402
Hautes Pyrénées	1,214	41.5	520	17.8	369	12.6	202	6.9	402	13.7	221	7.5	2,928	99
Pyrénées Orientales	9	4.3	49	23.3	71	33.8	32	15.2	24	11.4	25	11.9	210	19
Bas Rhin	9,662	40.6	3,276	13.8	2,361	9.9	2,454	10.3	4,939	20.7	1,122	4.7	23,814	1,063
Haut Rhin	4,451	35.9	2,170	17.5	1,426	11.5	1,236	10.0	2,109	17.0	1,004	8.1	12,396	819
Rhône	9,945	49.5	5,123	25.5	2,585	12.9	983	4.9	799	4.0	666	3.3	20,101	644
Haute Saône	12,443	38.7	5,237	16.3	6,013	18.7	5,525	17.2	1,973	6.1	923	2.9	32,114	978
Saône & Loire	8,512	54.2	4,232	26.9	1,253	8.0	728	4.6	403	2.6	589	3.7	15,717	458
Sarthe	24,916	55.6	7,668	17.1	2,754	6.1	2,108	4.7	6,102	13.6	1,239	2.8	44,787	1,727
Savoie	14,300	62.4	3,069	13.4	1,801	7.9	1,561	6.8	1,255	5.5	945	4.1	22,931	726
Haute Savoie	21,678	60.0	6,763	18.7	2,596	7.2	2,262	6.3	1,376	3.8	1,448	4.0	36,123	1,227
Seine Maritime	25,640	53.7	8,693	18.2	4,646	9.7	3,652	7.6	3,219	6.7	1,902	4.0	47,752	1,912
Seine & Marne	265	9.8	457	16.9	325	12.0	383	14.1	500	18.4	781	28.8	2,711	94
Yvelines	115	9.3	382	30.9	269	21.7	357	28.8	79	6.4	36	2.9	1,238	174
Deux Sèvres	3,559	16.4	6,193	28.5	3,363	15.5	3,457	15.9	3,764	17.3	1,405	6.5	21,741	920
Somme	8,987	38.1	5,203	22.0	2,377	10.1	2,181	9.2	2,324	9.8	2,531	10.7	23,603	1,563
Tarn	5,333	55.6	1,871	19.5	852	8.9	490	5.1	544	5.7	509	5.3	9,599	250
Tarn & Garonne	2,412	71.1	601	17.7	180	5.3	78	2.3	90	2.7	30	0.9	3,391	100
Var	3	25.0	7	58.3	1	8.3			1	8.3			12	1



### 3.1.b - Qualified lactations per method and local area

Département	Méthodes												LACTATIONS QUALIFIEES Nb	LACTATIONS NON QUALIFIEES Nb
	4		5		6*		7		8*		9			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%		
Vendée	28,910	53.9	9,963	18.6	4,199	7.8	3,107	5.8	5,432	10.1	1,997	3.7	53,608	1,954
Vienne	1,774	27.5	1,432	22.2	1,280	19.9	725	11.3	781	12.1	450	7.0	6,442	310
Haute Vienne	1,055	23.2	1,725	38.0	516	11.4	375	8.3	296	6.5	573	12.6	4,540	284
Vosges	19,424	48.0	6,013	14.9	2,895	7.2	2,439	6.0	6,206	15.3	3,485	8.6	40,462	1,928
Yonne	3,636	43.6	1,561	18.7	1,236	14.8	656	7.9	858	10.3	384	4.6	8,331	237
Territoire de Belfort	1,661	43.4	1,061	27.7	399	10.4	367	9.6	164	4.3	179	4.7	3,831	126
Essonne			13	52.0	6	24.0	4	16.0	1	4.0	1	4.0	25	2
Val d'Oise	3	1.7	38	21.7	19	10.9	38	21.7	76	43.4	1	0.6	175	2
Réunion	50	2.0	522	20.5	985	38.7	616	24.2	221	8.7	148	5.8	2,542	112
<b>Total</b>	<b>830,932</b>	<b>37.8</b>	<b>535,372</b>	<b>24.3</b>	<b>292,587</b>	<b>13.3</b>	<b>209,426</b>	<b>9.5</b>	<b>206,342</b>	<b>9.4</b>	<b>125,993</b>	<b>5.7</b>	<b>2,200,652</b>	<b>95,307</b>



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

Local area <sup>1</sup>	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	32,668	332	8,675	348	40.1	289	33.3	637	73.4	69	407
Aisne	18,695	339	9,376	376	40.1	304	32.5	680	72.5	64	412
Allier	4,191	351	8,796	355	40.4	290	32.9	645	73.3	69	428
Alpes Hte Provence	605	301	6,016	233	38.8	200	33.2	433	72.0	96	403
Hautes Alpes	2,456	328	6,062	234	38.7	196	32.3	430	71.0	86	416
Alpes Maritimes	115	311	5,071	197	38.9	167	32.9	364	71.8	101	417
Ardèche	6,079	328	7,153	286	40.0	235	32.8	521	72.8	74	414
Ardennes	13,507	342	9,096	361	39.7	294	32.3	655	72.0	69	418
Ariège	2,711	358	8,879	352	39.6	291	32.8	642	72.3	77	439
Aube	6,462	350	9,525	380	39.9	308	32.3	688	72.2	66	429
Aude	360	363	8,260	329	39.8	266	32.2	595	72.1	83	445
Aveyron	34,352	341	8,221	331	40.2	268	32.6	599	72.8	70	416
Calvados	51,169	339	8,366	341	40.8	276	33.0	617	73.7	70	418
Cantal	46,363	319	7,062	278	39.3	230	32.5	508	71.9	75	408
Charente	5,652	356	8,425	349	41.5	277	32.9	627	74.4	69	427
Charente Maritime	8,524	350	9,143	368	40.2	297	32.5	665	72.7	68	425
Cher	3,205	350	8,772	364	41.5	287	32.7	651	74.2	68	425
Corrèze	4,817	344	7,541	300	39.8	243	32.2	543	72.0	75	424
Côte d'Or	11,985	336	8,141	326	40.1	274	33.6	600	73.7	68	411
Côtes d'Armor	108,430	340	9,142	374	40.9	294	32.2	668	73.1	68	414
Creuse	3,132	353	8,058	322	40.0	260	32.3	583	72.3	73	427
Dordogne	9,567	353	9,076	367	40.4	297	32.7	664	73.2	68	432
Doubs	83,053	303	7,232	275	38.0	239	33.0	514	71.0	72	396
Drôme	2,829	342	8,142	326	40.0	268	32.9	594	72.9	70	421
Eure	15,379	342	8,867	363	40.9	293	33.1	656	74.0	65	418
Eure & Loir	5,247	355	9,217	382	41.5	307	33.3	690	74.8	69	425
Finistère	91,652	341	8,801	356	40.5	281	32.0	638	72.5	68	412
Haute Garonne	6,294	360	9,181	362	39.5	298	32.4	660	71.9	72	438
Gers	1,265	341	8,636	335	38.8	275	31.9	610	70.7	79	421
Gironde	3,170	349	9,034	352	39.0	292	32.4	644	71.3	72	430
Hérault	90	390	8,013	310	38.7	254	31.7	564	70.4	87	450
Ille & Vilaine	175,051	342	8,906	368	41.3	291	32.7	659	74.0	65	415
Indre	3,707	373	10,048	412	41.0	331	33.0	743	74.0	66	438
Indre & Loire	11,847	353	9,885	406	41.1	325	32.9	731	74.0	65	416
Isère	18,404	336	8,488	340	40.1	281	33.1	621	73.2	68	413
Jura	46,430	308	7,222	271	37.5	238	33.0	509	70.5	73	401
Landes	3,845	346	9,457	379	40.1	301	31.9	681	72.0	74	430
Loir & Cher	7,756	354	9,718	401	41.2	320	32.9	720	74.1	62	412
Loire	34,423	329	8,515	342	40.1	281	33.0	623	73.1	72	412
Haute Loire	38,834	323	7,691	310	40.4	256	33.3	567	73.7	73	411
Loire Atlantique	87,651	347	9,046	376	41.6	296	32.8	673	74.3	65	414
Loiret	5,079	354	9,659	393	40.7	315	32.6	708	73.2	67	424
Lot	8,233	353	8,948	362	40.4	290	32.5	652	72.9	69	422
Lot & Garonne	6,176	349	8,830	352	39.8	284	32.1	635	72.0	73	429
Lozère	7,366	316	6,557	254	38.7	215	32.8	468	71.4	76	403
Maine & Loire	63,074	350	9,351	396	42.4	310	33.2	707	75.6	65	414
Manche	125,539	342	8,530	350	41.0	284	33.3	634	74.3	67	415

<sup>1</sup>Only 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 <sup>1</sup>	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	3,834	338	9,684	374	38.6	312	32.3	686	70.9	72	412
Haute Marne	24,202	341	9,069	359	39.6	301	33.2	660	72.8	73	415
Mayenne	117,994	351	8,925	374	41.9	298	33.4	672	75.3	62	419
Meurthe & Moselle	22,726	335	9,037	362	40.0	290	32.1	651	72.1	69	417
Meuse	25,233	336	9,705	385	39.7	314	32.4	699	72.1	69	418
Morbihan	91,139	343	9,222	379	41.1	300	32.6	679	73.6	66	415
Moselle	29,555	334	9,032	363	40.1	294	32.6	657	72.7	68	413
Nièvre	881	340	9,286	365	39.3	298	32.1	663	71.4	74	422
Nord	47,435	337	9,415	377	40.0	303	32.1	679	72.2	65	410
Oise	9,949	341	9,353	377	40.3	304	32.5	681	72.8	64	414
Orne	70,067	352	8,631	359	41.6	289	33.5	648	75.1	66	417
Pas de Calais	40,807	351	9,927	387	39.0	319	32.1	706	71.1	64	413
Puy de Dôme	36,504	330	7,439	291	39.1	242	32.5	533	71.6	76	416
Pyrénées Atlantiques	11,760	347	9,612	374	38.9	309	32.2	684	71.1	73	428
Hautes Pyrénées	2,928	347	9,573	373	39.0	311	32.5	684	71.5	70	431
Pyrénées Orientales	210	326	6,630	263	39.7	216	32.6	479	72.2	103	437
Bas Rhin	23,814	340	9,876	398	40.3	323	32.7	721	73.0	67	418
Haut Rhin	12,396	339	8,600	344	40.0	281	32.7	625	72.7	69	415
Rhône	20,101	328	8,251	330	40.1	272	33.0	603	73.1	70	410
Haute Saône	32,114	320	8,029	315	39.2	269	33.5	584	72.7	71	405
Saône & Loire	15,717	335	8,507	343	40.3	286	33.6	629	73.9	68	408
Sarthe	44,787	354	9,322	388	41.6	312	33.5	700	75.1	64	420
Savoie	22,931	297	5,594	208	37.2	185	33.0	392	70.1	96	407
Haute Savoie	36,123	312	7,277	271	37.3	242	33.3	513	70.5	80	403
Seine Maritime	47,752	340	8,691	352	40.5	286	32.9	638	73.5	65	414
Seine & Marne	2,711	357	9,976	403	40.4	322	32.2	725	72.7	62	417
Yvelines	1,238	313	9,611	378	39.3	305	31.8	683	71.1	75	402
Deux Sèvres	21,741	356	9,974	404	40.5	329	33.0	734	73.6	67	418
Somme	23,603	339	9,807	386	39.4	316	32.3	703	71.7	66	410
Tarn	9,599	350	8,758	350	40.0	280	32.0	630	72.0	71	428
Tarn & Garonne	3,391	380	8,578	353	41.1	277	32.3	630	73.5	70	436
Vendée	53,608	353	9,709	403	41.5	317	32.7	720	74.2	67	417
Vienne	6,442	363	9,496	390	41.1	313	33.0	704	74.1	64	430
Haute Vienne	4,540	349	8,425	342	40.6	276	32.7	618	73.3	71	421
Vosges	40,462	335	8,487	340	40.1	277	32.6	617	72.7	71	417
Yonne	8,331	365	9,795	397	40.5	318	32.5	715	73.0	64	429
Territoire de Belfort	3,831	334	8,773	350	39.9	292	33.3	641	73.1	68	417
Val d'Oise	175	332	8,948	344	38.4	288	32.1	631	70.5	70	413
Réunion	2,542	355	8,022	303	37.8	260	32.4	563	70.2	80	444

<sup>1</sup>Only 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 <sup>1</sup>	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	62	317	5,463	198	36.3	184	33.7	382	70.0	89	410
	BRUNE	175	362	8,500	348	40.9	296	34.8	643	75.7	79	425
	SIMMENTAL	541	321	6,608	263	39.8	224	34.0	487	73.8	66	388
	CROSSBRED	1,858	325	8,662	349	40.3	287	33.1	635	73.4	70	404
	MONTBELIARDE	22,991	328	8,260	330	40.0	278	33.6	608	73.6	68	403
PRIM·HOLSTEIN	6,965	346	10,274	414	40.3	334	32.5	748	72.8	69	426	
Aisne	JERSIAISE	60	338	7,382	402	54.5	283	38.4	686	92.9	54	460
	CROSSBRED	1,655	320	8,194	333	40.6	268	32.7	601	73.3	67	405
	MONTBELIARDE	503	340	8,222	332	40.3	278	33.8	609	74.1	67	400
	NORMANDE	416	326	5,919	245	41.3	202	34.1	446	75.4	73	399
	PRIM·HOLSTEIN	15,976	341	9,643	385	39.9	312	32.4	697	72.3	64	413
Allier	JERSIAISE	65	264	3,250	195	60.1	128	39.5	324	99.6	170	423
	BRUNE	57	440	7,898	338	42.7	273	34.6	611	77.3	63	492
	CROSSBRED	170	341	7,745	308	39.7	253	32.7	561	72.5	75	416
	MONTBELIARDE	460	318	6,559	266	40.6	225	34.2	491	74.8	73	396
	NORMANDE	208	321	6,502	278	42.7	227	35.0	505	77.7	68	407
PRIM·HOLSTEIN	3,229	358	9,447	379	40.1	309	32.7	688	72.8	66	433	
Alpes Hte Provence	ABONDANCE	51	240	4,769	175	36.7	156	32.7	331	69.4	128	393
	JERSIAISE	45	302	4,413	212	48.1	164	37.2	376	85.3	99	375
	CROSSBRED	40	249	5,116	194	37.9	170	33.2	364	71.1	119	393
	MONTBELIARDE	414	313	6,531	251	38.4	216	33.0	466	71.4	89	409
Hautes Alpes	ABONDANCE	384	309	4,761	175	36.8	156	32.7	331	69.5	106	416
	TARENTEISE	248	298	4,392	162	36.8	144	32.7	305	69.5	107	412
	CROSSBRED	205	325	5,646	215	38.1	182	32.3	397	70.3	97	422
	MONTBELIARDE	1,137	331	6,347	249	39.2	208	32.7	456	71.9	79	409
	PRIM·HOLSTEIN	441	353	7,679	300	39.0	239	31.1	539	70.2	70	435
Alpes Maritimes	ABONDANCE	83	311	4,860	190	39.2	162	33.3	352	72.5	93	421
Ardèche	ABONDANCE	530	313	6,101	233	38.2	205	33.7	438	71.8	80	401
	CROSSBRED	413	315	6,417	260	40.6	211	32.8	471	73.4	74	412
	MONTBELIARDE	4,096	327	6,945	279	40.2	230	33.1	509	73.3	74	410
	PRIM·HOLSTEIN	986	343	8,970	354	39.5	284	31.7	638	71.1	69	438
Ardennes	JERSIAISE	80	340	5,178	274	53.0	198	38.2	472	91.2	97	430
	CROSSBRED	1,579	326	7,554	302	40.0	245	32.4	547	72.4	69	410
	MONTBELIARDE	423	305	6,771	271	40.1	223	33.0	495	73.1	79	400
	NORMANDE	82	318	6,067	251	41.3	203	33.5	454	74.8	133	427
	PRIM·HOLSTEIN	11,310	346	9,454	374	39.6	305	32.2	679	71.8	68	420

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Ariège	BRUNE	463	361	<b>7,911</b>	334	<b>42.2</b>	276	<b>34.9</b>	610	77.1	74	443
	CROSSBRED	121	348	<b>7,590</b>	296	<b>39.0</b>	244	<b>32.2</b>	541	71.2	76	424
	MONTBELIARDE	245	320	<b>6,096</b>	238	<b>39.1</b>	200	<b>32.8</b>	438	71.9	92	422
	PRIM·HOLSTEIN	1,812	366	<b>9,743</b>	380	<b>39.0</b>	315	<b>32.3</b>	695	71.3	75	443
Aube	JERSIAISE	41	344	<b>6,408</b>	326	<b>50.8</b>	245	<b>38.3</b>	571	89.1	85	401
	BRUNE	285	355	<b>8,714</b>	363	<b>41.6</b>	301	<b>34.6</b>	664	76.2	72	448
	SIMMENTAL	59	406	<b>6,877</b>	295	<b>43.0</b>	236	<b>34.3</b>	531	77.3	75	427
	CROSSBRED	406	335	<b>8,490</b>	338	<b>39.8</b>	275	<b>32.4</b>	613	72.3	70	421
	MONTBELIARDE	289	314	<b>8,310</b>	326	<b>39.2</b>	280	<b>33.7</b>	606	72.9	65	409
	PRIM·HOLSTEIN	5,370	352	<b>9,771</b>	389	<b>39.8</b>	314	<b>32.1</b>	702	71.9	65	429
Aude	BRUNE	59	351	<b>7,401</b>	320	<b>43.2</b>	251	<b>33.9</b>	571	77.1	98	440
	PRIM·HOLSTEIN	239	379	<b>9,188</b>	360	<b>39.2</b>	293	<b>31.9</b>	653	71.1	72	451
Aveyron	ABONDANCE	76	287	<b>4,401</b>	158	<b>35.9</b>	146	<b>33.2</b>	304	69.1	91	386
	AUBRAC	111	202	<b>2,080</b>	83	<b>39.8</b>	72	<b>34.7</b>	155	74.5	196	394
	JERSIAISE	83	355	<b>4,768</b>	247	<b>51.9</b>	173	<b>36.3</b>	421	88.2	91	446
	PIE ROUGE	64	390	<b>9,324</b>	413	<b>44.3</b>	314	<b>33.7</b>	727	78.0	64	453
	BUFFLE	51	226	<b>1,715</b>	127	<b>74.4</b>	77	<b>44.7</b>	204	119.1	152	373
	BRUNE	2,294	341	<b>7,421</b>	316	<b>42.6</b>	257	<b>34.7</b>	574	77.3	72	419
	SIMMENTAL	2,939	315	<b>5,890</b>	232	<b>39.4</b>	200	<b>34.0</b>	432	73.4	76	397
	CROSSBRED	1,167	325	<b>7,251</b>	293	<b>40.4</b>	235	<b>32.5</b>	528	72.8	71	408
	MONTBELIARDE	3,940	325	<b>6,812</b>	270	<b>39.7</b>	226	<b>33.2</b>	496	72.9	72	401
	NORMANDE	55	287	<b>4,957</b>	207	<b>41.8</b>	170	<b>34.4</b>	378	76.2	69	400
	PRIM·HOLSTEIN	23,572	349	<b>8,946</b>	359	<b>40.1</b>	288	<b>32.2</b>	647	72.3	68	422
Calvados	JERSIAISE	386	346	<b>6,011</b>	364	<b>60.6</b>	249	<b>41.5</b>	614	102.1	57	414
	BRUNE	116	350	<b>7,521</b>	316	<b>42.1</b>	264	<b>35.1</b>	580	77.1	71	422
	CROSSBRED	4,836	326	<b>7,160</b>	291	<b>40.7</b>	235	<b>32.8</b>	526	73.4	74	411
	MONTBELIARDE	906	324	<b>7,115</b>	292	<b>41.0</b>	238	<b>33.4</b>	530	74.5	67	409
	NORMANDE	10,470	333	<b>6,541</b>	275	<b>42.0</b>	228	<b>34.9</b>	503	76.9	72	410
	PRIM·HOLSTEIN	34,391	343	<b>9,156</b>	370	<b>40.4</b>	297	<b>32.5</b>	667	72.8	69	422
Cantal	ABONDANCE	567	305	<b>4,876</b>	181	<b>37.2</b>	163	<b>33.5</b>	345	70.7	82	397
	JERSIAISE	241	313	<b>4,535</b>	246	<b>54.3</b>	170	<b>37.6</b>	416	91.8	80	391
	PIE ROUGE	164	302	<b>6,112</b>	254	<b>41.6</b>	200	<b>32.7</b>	454	74.3	78	411
	BRUNE	991	336	<b>6,922</b>	288	<b>41.5</b>	239	<b>34.5</b>	526	76.0	72	431
	SALERS	745	219	<b>2,129</b>	70	<b>33.1</b>	70	<b>33.0</b>	141	66.1	140	373
	SIMMENTAL	1,006	315	<b>5,129</b>	201	<b>39.2</b>	173	<b>33.8</b>	374	73.0	82	411
	CROSSBRED	3,401	307	<b>6,255</b>	244	<b>39.1</b>	201	<b>32.2</b>	446	71.2	74	399
	MONTBELIARDE	17,814	310	<b>6,538</b>	254	<b>38.8</b>	216	<b>33.1</b>	470	71.9	75	401
	NORMANDE	194	303	<b>5,591</b>	232	<b>41.5</b>	193	<b>34.5</b>	425	76.0	73	409
	PRIM·HOLSTEIN	21,189	333	<b>8,023</b>	318	<b>39.6</b>	257	<b>32.0</b>	575	71.6	71	418

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	JERSIAISE	255	360	6,123	344	56.2	241	39.4	585	95.6	70	421
	CROSSBRED	345	343	7,166	307	42.8	239	33.4	546	76.2	72	408
	MONTBELIARDE	458	329	7,087	290	40.9	237	33.4	527	74.3	71	412
	NORMANDE	537	348	6,202	269	43.4	219	35.3	488	78.8	73	426
	PRIM'HOLSTEIN	4,037	362	9,136	371	40.6	295	32.3	667	73.0	67	431
Charente Maritime	PIE ROUGE	57	360	8,825	367	41.6	297	33.6	664	75.2	81	438
	CROSSBRED	440	353	8,032	327	40.7	263	32.7	589	73.4	72	435
	MONTBELIARDE	405	337	7,761	310	39.9	260	33.5	570	73.4	67	405
	NORMANDE	362	322	6,250	263	42.1	217	34.8	481	76.9	71	400
	PRIM'HOLSTEIN	7,207	352	9,469	380	40.1	306	32.3	686	72.5	67	427
Cher	JERSIAISE	86	324	5,031	286	56.8	206	40.9	492	97.7	84	400
	CROSSBRED	425	346	8,102	336	41.5	268	33.1	604	74.6	68	410
	MONTBELIARDE	69	308	6,294	261	41.5	206	32.7	467	74.2	97	402
	PRIM'HOLSTEIN	2,564	353	9,114	376	41.2	296	32.4	671	73.6	66	430
Corrèze	CROSSBRED	267	316	6,386	256	40.0	208	32.5	463	72.5	94	415
	MONTBELIARDE	702	310	5,652	222	39.2	186	32.9	408	72.1	78	400
	PRIM'HOLSTEIN	3,744	354	8,059	321	39.8	259	32.1	580	71.9	72	430
Côte d'Or	ABONDANCE	78	347	5,584	205	36.7	185	33.1	390	69.8	119	442
	BRUNE	2,825	341	8,423	350	41.6	295	35.0	645	76.6	66	419
	SIMMENTAL	1,499	321	7,529	304	40.4	258	34.2	562	74.6	67	393
	CROSSBRED	429	341	7,670	305	39.8	253	33.0	558	72.8	72	403
	MONTBELIARDE	3,909	329	7,704	303	39.4	258	33.5	562	72.9	70	404
	PRIM'HOLSTEIN	3,228	347	8,850	350	39.6	286	32.3	636	71.9	65	420
Côtes d'Armor	JERSIAISE	93	320	4,632	255	55.0	179	38.6	433	93.6	73	413
	PIE ROUGE	1,328	340	7,910	342	43.2	265	33.4	606	76.6	76	411
	BRUNE	383	352	7,717	339	43.9	264	34.2	603	78.2	71	422
	SIMMENTAL	61	373	7,005	286	40.9	233	33.3	519	74.2	69	433
	CROSSBRED	3,121	336	8,221	340	41.4	266	32.4	606	73.8	69	410
	MONTBELIARDE	2,546	325	7,731	316	40.9	255	32.9	571	73.8	67	396
	NORMANDE	7,336	328	6,839	293	42.8	236	34.5	529	77.3	66	404
	PRIM'HOLSTEIN	93,551	342	9,422	384	40.7	302	32.0	686	72.8	68	416
Creuse	CROSSBRED	232	339	6,737	269	39.9	216	32.1	485	72.0	69	416
	MONTBELIARDE	290	334	6,636	265	40.0	221	33.4	487	73.3	70	408
	NORMANDE	118	348	4,967	209	42.1	169	34.0	378	76.1	106	437
	PRIM'HOLSTEIN	2,489	357	8,497	339	39.9	274	32.2	613	72.1	71	429
Dordogne	BRUNE	58	358	6,886	289	42.0	243	35.2	531	77.2	71	421
	CROSSBRED	555	331	7,707	317	41.1	257	33.3	574	74.4	68	424
	MONTBELIARDE	867	327	7,616	308	40.4	255	33.5	563	74.0	68	409
	NORMANDE	173	334	5,764	230	39.8	195	33.8	424	73.6	82	430
	PRIM'HOLSTEIN	7,880	358	9,436	381	40.4	307	32.6	688	73.0	68	435

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Doubs	SIMMENTAL	143	277	<b>5,976</b>	229	<b>38.3</b>	197	<b>32.9</b>	426	71.2	89	403
	CROSSBRED	951	311	<b>7,683</b>	298	<b>38.7</b>	249	<b>32.4</b>	546	71.1	71	392
	MONTBELIARDE	80,387	303	<b>7,188</b>	273	<b>38.0</b>	238	<b>33.1</b>	511	71.0	72	395
	PRIM·HOLSTEIN	1,500	338	<b>9,513</b>	370	<b>38.9</b>	308	<b>32.4</b>	678	71.3	72	429
Drôme	ABONDANCE	49	257	<b>4,690</b>	165	<b>35.3</b>	153	<b>32.6</b>	318	67.8	85	417
	CROSSBRED	114	335	<b>7,303</b>	284	<b>38.8</b>	238	<b>32.6</b>	522	71.4	74	405
	MONTBELIARDE	1,728	344	<b>7,374</b>	297	<b>40.3</b>	245	<b>33.2</b>	541	73.4	70	420
	PRIM·HOLSTEIN	874	347	<b>10,230</b>	408	<b>39.9</b>	334	<b>32.6</b>	742	72.5	67	426
Eure	JERSAISE	54	308	<b>3,892</b>	213	<b>54.8</b>	144	<b>37.0</b>	357	91.8	115	405
	CROSSBRED	1,510	325	<b>7,902</b>	323	<b>40.8</b>	262	<b>33.2</b>	585	74.0	68	411
	MONTBELIARDE	169	321	<b>7,503</b>	307	<b>40.9</b>	256	<b>34.2</b>	563	75.0	66	417
	NORMANDE	3,081	343	<b>7,038</b>	300	<b>42.7</b>	247	<b>35.2</b>	548	77.8	66	409
	PRIM·HOLSTEIN	10,518	344	<b>9,597</b>	388	<b>40.5</b>	313	<b>32.6</b>	701	73.1	64	422
Eure & Loir	JERSAISE	137	321	<b>6,786</b>	364	<b>53.7</b>	263	<b>38.7</b>	627	92.4	65	409
	BRUNE	76	392	<b>8,825</b>	397	<b>45.0</b>	310	<b>35.2</b>	708	80.2	84	495
	CROSSBRED	111	337	<b>7,932</b>	323	<b>40.8</b>	264	<b>33.3</b>	588	74.1	69	429
	MONTBELIARDE	84	350	<b>7,594</b>	317	<b>41.8</b>	258	<b>34.0</b>	575	75.8	74	409
	NORMANDE	1,241	341	<b>7,035</b>	302	<b>43.0</b>	248	<b>35.3</b>	550	78.2	72	411
	PRIM·HOLSTEIN	3,591	362	<b>10,160</b>	414	<b>40.8</b>	332	<b>32.7</b>	747	73.5	68	430
Finistère	JERSAISE	431	323	<b>4,626</b>	269	<b>58.1</b>	180	<b>38.8</b>	448	96.9	74	395
	PIE ROUGE	1,606	338	<b>8,149</b>	349	<b>42.9</b>	272	<b>33.4</b>	622	76.3	65	403
	BRUNE	383	345	<b>7,434</b>	319	<b>43.0</b>	254	<b>34.1</b>	573	77.1	80	429
	SIMMENTAL	42	303	<b>5,711</b>	242	<b>42.3</b>	196	<b>34.3</b>	437	76.6	71	386
	CROSSBRED	3,538	334	<b>7,595</b>	313	<b>41.2</b>	246	<b>32.4</b>	560	73.7	70	405
	MONTBELIARDE	1,093	316	<b>7,425</b>	305	<b>41.1</b>	244	<b>32.9</b>	549	74.0	71	395
	NORMANDE	2,602	332	<b>6,476</b>	275	<b>42.5</b>	221	<b>34.2</b>	496	76.6	68	407
	PRIM·HOLSTEIN	81,944	342	<b>8,988</b>	362	<b>40.3</b>	286	<b>31.8</b>	649	72.2	68	413
Haute Garonne	ABONDANCE	106	325	<b>3,725</b>	135	<b>36.2</b>	126	<b>33.7</b>	260	69.9	125	439
	BRUNE	100	342	<b>8,284</b>	346	<b>41.7</b>	279	<b>33.7</b>	625	75.4	79	458
	CROSSBRED	206	349	<b>8,133</b>	327	<b>40.2</b>	265	<b>32.6</b>	592	72.8	69	419
	MONTBELIARDE	882	329	<b>7,410</b>	290	<b>39.2</b>	250	<b>33.8</b>	540	72.9	69	422
	PRIM·HOLSTEIN	4,951	367	<b>9,705</b>	383	<b>39.4</b>	312	<b>32.2</b>	695	71.6	71	442
Gers	CROSSBRED	108	300	<b>7,034</b>	268	<b>38.0</b>	228	<b>32.4</b>	496	70.5	75	384
	NORMANDE	42	300	<b>5,238</b>	210	<b>40.1</b>	179	<b>34.1</b>	389	74.2	108	416
	PRIM·HOLSTEIN	1,067	347	<b>8,995</b>	349	<b>38.8</b>	285	<b>31.7</b>	634	70.5	79	425
Gironde	BRUNE	42	314	<b>6,650</b>	271	<b>40.8</b>	225	<b>33.8</b>	496	74.7	90	443
	CROSSBRED	167	332	<b>7,336</b>	291	<b>39.7</b>	240	<b>32.7</b>	531	72.4	77	418
	MONTBELIARDE	74	323	<b>6,545</b>	270	<b>41.3</b>	218	<b>33.3</b>	488	74.6	75	412
	PRIM·HOLSTEIN	2,846	352	<b>9,302</b>	361	<b>38.8</b>	301	<b>32.3</b>	662	71.2	71	432

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Hérault	PRIM·HOLSTEIN	63	404	<b>8,489</b>	327	<b>38.5</b>	265	<b>31.2</b>	592	69.8	88	465
Ille & Vilaine	JERSIAISE	550	343	<b>4,804</b>	258	<b>53.7</b>	183	<b>38.1</b>	441	91.9	81	420
	PIE ROUGE	929	332	<b>7,762</b>	340	<b>43.8</b>	264	<b>34.0</b>	604	77.8	68	410
	BRUNE	307	353	<b>7,947</b>	347	<b>43.7</b>	277	<b>34.9</b>	625	78.6	76	426
	BRETONNE PIE NOIRE	40	257	<b>2,007</b>	85	<b>42.3</b>	68	<b>33.7</b>	152	76.0	200	425
	SIMMENTAL	134	303	<b>5,436</b>	231	<b>42.5</b>	178	<b>32.8</b>	409	75.3	72	398
	CROSSBRED	7,270	333	<b>7,583</b>	313	<b>41.3</b>	249	<b>32.8</b>	562	74.1	66	407
	MONTBELIARDE	5,937	327	<b>7,550</b>	311	<b>41.1</b>	253	<b>33.5</b>	564	74.6	64	400
	NORMANDE	14,292	327	<b>6,697</b>	287	<b>42.8</b>	233	<b>34.7</b>	519	77.5	65	407
	PRIM·HOLSTEIN	145,540	345	<b>9,277</b>	382	<b>41.2</b>	301	<b>32.5</b>	683	73.6	65	417
	FROMENT DU LEON	47	245	<b>2,369</b>	103	<b>43.4</b>	78	<b>33.0</b>	181	76.4	112	380
Indre	CROSSBRED	168	362	<b>9,210</b>	388	<b>42.2</b>	308	<b>33.4</b>	696	75.6	92	454
	MONTBELIARDE	56	348	<b>8,233</b>	328	<b>39.8</b>	273	<b>33.2</b>	601	73.0	68	412
	PRIM·HOLSTEIN	3,408	375	<b>10,197</b>	417	<b>40.9</b>	336	<b>32.9</b>	753	73.8	65	437
Indre & Loire	CROSSBRED	531	338	<b>8,332</b>	346	<b>41.5</b>	273	<b>32.8</b>	619	74.3	70	409
	MONTBELIARDE	629	337	<b>8,396</b>	345	<b>41.0</b>	280	<b>33.3</b>	624	74.4	65	403
	NORMANDE	253	331	<b>7,000</b>	303	<b>43.3</b>	244	<b>34.8</b>	547	78.1	62	405
	PRIM·HOLSTEIN	10,373	355	<b>10,140</b>	416	<b>41.0</b>	333	<b>32.8</b>	749	73.9	65	417
Isère	ABONDANCE	431	311	<b>5,855</b>	216	<b>37.0</b>	194	<b>33.1</b>	410	70.1	88	417
	JERSIAISE	43	343	<b>5,863</b>	305	<b>52.0</b>	226	<b>38.5</b>	531	90.5	75	454
	BRUNE	75	364	<b>7,607</b>	322	<b>42.3</b>	264	<b>34.7</b>	585	77.0	73	422
	TARENNAISE	83	263	<b>4,106</b>	158	<b>38.6</b>	136	<b>33.1</b>	295	71.7	119	400
	SIMMENTAL	406	301	<b>7,012</b>	302	<b>43.1</b>	238	<b>34.0</b>	541	77.1	61	392
	CROSSBRED	1,040	329	<b>8,012</b>	322	<b>40.1</b>	264	<b>32.9</b>	585	73.0	68	400
	MONTBELIARDE	11,336	333	<b>8,251</b>	331	<b>40.2</b>	276	<b>33.5</b>	608	73.6	67	408
	PRIM·HOLSTEIN	4,942	351	<b>9,637</b>	384	<b>39.8</b>	312	<b>32.3</b>	695	72.2	67	429
Jura	JERSIAISE	44	311	<b>4,078</b>	244	<b>59.8</b>	164	<b>40.1</b>	407	99.9	81	419
	SIMMENTAL	1,068	320	<b>6,935</b>	277	<b>39.9</b>	236	<b>34.1</b>	513	74.0	73	397
	CROSSBRED	646	312	<b>6,798</b>	267	<b>39.3</b>	226	<b>33.3</b>	493	72.6	84	418
	MONTBELIARDE	43,911	307	<b>7,208</b>	269	<b>37.4</b>	238	<b>33.0</b>	507	70.3	73	400
	PRIM·HOLSTEIN	739	315	<b>9,101</b>	357	<b>39.3</b>	293	<b>32.2</b>	650	71.5	65	420
Landes	CROSSBRED	93	316	<b>7,712</b>	308	<b>40.0</b>	247	<b>32.0</b>	555	72.0	81	435
	MONTBELIARDE	53	354	<b>6,495</b>	269	<b>41.4</b>	220	<b>33.9</b>	490	75.4	77	423
	PRIM·HOLSTEIN	3,649	347	<b>9,582</b>	384	<b>40.1</b>	305	<b>31.8</b>	689	71.9	74	430
Loir & Cher	CROSSBRED	129	343	<b>8,971</b>	376	<b>41.9</b>	301	<b>33.5</b>	677	75.4	59	397
	MONTBELIARDE	137	324	<b>8,959</b>	372	<b>41.5</b>	307	<b>34.2</b>	678	75.7	64	393
	NORMANDE	940	348	<b>7,441</b>	324	<b>43.5</b>	258	<b>34.7</b>	582	78.2	64	400
	PRIM·HOLSTEIN	6,480	356	<b>10,107</b>	414	<b>41.0</b>	330	<b>32.7</b>	744	73.6	62	415

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	141	287	5,711	220	38.5	193	33.8	413	72.4	83	390
	JERSIAISE	79	331	5,298	297	56.1	208	39.2	505	95.2	68	417
	BRUNE	221	359	7,847	340	43.3	273	34.8	613	78.1	75	422
	SIMMENTAL	236	303	7,680	308	40.0	260	33.8	567	73.9	72	386
	CROSSBRED	1,703	317	7,697	311	40.5	253	32.9	565	73.4	70	408
	MONTBELIARDE	15,580	318	7,800	313	40.2	263	33.7	576	73.9	73	401
	NORMANDE	67	317	6,531	269	41.2	227	34.7	496	76.0	86	403
	PRIM'HOLSTEIN	16,365	342	9,356	375	40.0	302	32.3	677	72.3	70	425
Haute Loire	ABONDANCE	787	316	5,588	213	38.1	190	33.9	402	72.0	84	404
	BRUNE	229	355	6,993	298	42.6	238	34.1	536	76.6	75	440
	TARENTEISE	114	329	5,441	222	40.8	192	35.3	414	76.1	73	396
	SIMMENTAL	79	307	5,839	240	41.1	200	34.2	440	75.3	74	409
	CROSSBRED	2,293	318	7,176	291	40.6	237	33.1	528	73.6	74	400
	MONTBELIARDE	26,030	317	7,430	299	40.3	250	33.6	549	73.9	74	406
	PRIM'HOLSTEIN	9,234	341	8,820	358	40.6	286	32.5	644	73.1	70	431
	Loire Atlantique	JERSIAISE	267	323	4,393	246	56.1	167	38.0	413	94.1	77
PIE ROUGE		327	329	8,371	380	45.4	292	34.9	672	80.3	65	397
BRUNE		247	353	7,009	303	43.2	236	33.7	539	77.0	73	427
BRETONNE PIE NOIRE		74	286	2,729	122	44.9	91	33.4	213	78.2	131	398
SIMMENTAL		350	306	5,534	237	42.9	186	33.6	423	76.5	77	386
CROSSBRED		2,330	334	7,266	306	42.1	238	32.8	544	74.9	65	406
MONTBELIARDE		3,155	327	7,815	320	41.0	260	33.2	580	74.2	69	401
NORMANDE		6,686	327	6,583	281	42.7	228	34.7	509	77.4	68	404
PRIM'HOLSTEIN		74,189	351	9,427	391	41.5	307	32.6	698	74.1	65	416
Loiret	CROSSBRED	365	323	8,203	334	40.8	268	32.7	602	73.5	75	412
	MONTBELIARDE	233	334	7,924	329	41.5	265	33.5	594	75.0	67	410
	NORMANDE	109	320	6,118	266	43.4	219	35.7	484	79.1	63	419
	PRIM'HOLSTEIN	4,340	359	9,980	405	40.6	324	32.5	729	73.0	67	426
Lot	BRUNE	71	356	7,023	304	43.3	239	34.1	543	77.4	70	409
	CROSSBRED	552	345	8,072	330	40.8	265	32.8	594	73.6	69	419
	MONTBELIARDE	909	333	7,594	304	40.1	254	33.4	558	73.5	66	401
	PRIM'HOLSTEIN	6,647	357	9,254	374	40.4	299	32.3	673	72.7	69	425
Lot & Garonne	JERSIAISE	71	324	5,525	288	52.1	200	36.2	488	88.3	64	418
	CROSSBRED	641	324	7,854	316	40.3	256	32.6	572	72.8	70	400
	MONTBELIARDE	109	345	7,248	291	40.2	241	33.3	532	73.4	71	424
	NORMANDE	179	332	5,655	240	42.5	197	34.8	437	77.3	104	439
	PRIM'HOLSTEIN	5,137	353	9,159	363	39.6	293	31.9	655	71.6	72	433

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	355	288	4,751	177	37.3	158	33.3	336	70.6	88	390
	BRUNE	688	347	7,299	296	40.6	246	33.7	542	74.2	68	425
	SIMMENTAL	511	302	5,591	217	38.9	191	34.2	409	73.1	79	388
	CROSSBRED	126	314	6,109	233	38.2	197	32.2	430	70.4	80	403
	MONTBELIARDE	4,522	310	6,412	246	38.4	211	32.8	457	71.2	78	398
	PRIM'HOLSTEIN	1,112	335	7,870	305	38.7	247	31.4	552	70.1	68	423
Maine & Loire	JERSIAISE	2,255	342	5,558	317	57.1	219	39.4	536	96.5	68	409
	BRUNE	543	354	8,402	378	44.9	297	35.3	674	80.2	70	416
	SIMMENTAL	167	330	6,907	296	42.8	238	34.4	534	77.3	67	397
	CROSSBRED	2,050	347	8,317	359	43.1	278	33.4	637	76.6	68	416
	MONTBELIARDE	3,820	330	7,633	314	41.1	257	33.6	571	74.8	64	398
	NORMANDE	3,212	340	6,866	300	43.7	241	35.1	541	78.8	65	405
	PRIM'HOLSTEIN	50,995	352	9,865	414	42.0	324	32.9	739	74.9	65	415
Manche	JERSIAISE	1,130	335	4,669	274	58.8	185	39.5	459	98.3	65	408
	PIE ROUGE	292	341	8,405	365	43.4	281	33.4	645	76.7	75	416
	BRUNE	337	344	7,564	321	42.5	264	34.9	585	77.4	76	430
	SIMMENTAL	153	323	6,602	286	43.3	232	35.2	518	78.4	55	401
	CROSSBRED	9,490	334	7,788	319	40.9	258	33.2	577	74.1	69	412
	MONTBELIARDE	1,356	328	7,688	313	40.6	260	33.8	572	74.4	65	403
	NORMANDE	38,435	336	6,888	294	42.7	241	35.0	535	77.7	67	411
	PRIM'HOLSTEIN	74,340	346	9,556	385	40.3	312	32.6	696	72.9	66	419
Marne	CROSSBRED	135	352	9,243	363	39.3	306	33.1	669	72.4	71	399
	MONTBELIARDE	46	311	7,959	316	39.7	266	33.4	582	73.1	77	396
	PRIM'HOLSTEIN	3,590	338	9,789	377	38.5	315	32.2	692	70.7	71	412
Haute Marne	JERSIAISE	203	334	5,972	326	54.5	230	38.6	556	93.1	72	402
	BRUNE	617	349	7,581	316	41.7	262	34.6	578	76.3	80	434
	SIMMENTAL	2,280	316	7,226	291	40.3	250	34.5	541	74.9	77	393
	CROSSBRED	1,080	328	8,284	332	40.1	276	33.3	609	73.5	74	410
	MONTBELIARDE	5,998	335	8,301	329	39.7	283	34.1	612	73.8	73	404
	PRIM'HOLSTEIN	13,961	349	9,886	388	39.2	322	32.6	710	71.8	71	424
Mayenne	JERSIAISE	740	352	5,557	325	58.4	218	39.2	542	97.6	68	419
	BRUNE	404	355	7,931	343	43.2	275	34.7	618	77.9	71	426
	SIMMENTAL	374	352	7,300	311	42.6	243	33.3	554	75.9	68	407
	CROSSBRED	5,576	343	8,080	339	41.9	270	33.5	609	75.4	62	413
	MONTBELIARDE	5,624	335	7,855	322	40.9	266	33.8	587	74.8	63	405
	NORMANDE	23,026	330	6,986	299	42.9	246	35.2	545	78.0	63	406
	PRIM'HOLSTEIN	82,175	358	9,645	402	41.7	317	32.9	720	74.6	61	424

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	64	371	6,274	330	52.5	233	37.2	563	89.7	92	456
	BRUNE	191	330	7,805	337	43.2	272	34.8	609	78.0	81	431
	SIMMENTAL	45	292	6,233	247	39.6	205	33.0	452	72.6	97	411
	CROSSBRED	1,458	313	7,858	317	40.4	256	32.6	574	73.0	69	401
	MONTBELIARDE	1,135	319	7,124	290	40.8	235	33.1	526	73.8	79	397
	PRIM'HOLSTEIN	19,797	338	9,266	370	39.9	296	31.9	666	71.9	69	419
Meuse	BRUNE	213	328	8,413	355	42.3	288	34.3	644	76.5	73	429
	SIMMENTAL	293	319	8,333	343	41.2	283	34.0	627	75.2	75	401
	CROSSBRED	1,064	318	8,380	341	40.7	276	33.0	617	73.6	72	401
	MONTBELIARDE	734	319	7,962	314	39.5	264	33.1	578	72.6	70	399
	NORMANDE	53	297	6,317	257	40.7	213	33.8	470	74.5	57	381
	PRIM'HOLSTEIN	22,843	338	9,863	390	39.6	319	32.3	709	71.9	68	419
Morbihan	JERSIAISE	90	340	5,382	301	55.9	208	38.7	509	94.6	88	419
	PIE ROUGE	2,587	344	8,469	368	43.4	289	34.1	656	77.5	68	414
	BRUNE	40	338	7,100	303	42.7	246	34.6	549	77.3	77	465
	SIMMENTAL	243	329	7,516	313	41.7	259	34.5	573	76.2	80	420
	CROSSBRED	2,023	333	8,009	333	41.6	265	33.0	598	74.6	67	404
	MONTBELIARDE	2,707	325	7,812	317	40.6	260	33.2	577	73.8	70	400
	NORMANDE	3,975	335	6,722	286	42.6	232	34.5	518	77.1	68	410
	PRIM'HOLSTEIN	79,430	344	9,465	388	40.9	307	32.4	694	73.4	66	417
Moselle	BRUNE	130	337	7,923	333	42.0	276	34.8	608	76.8	83	421
	SIMMENTAL	123	306	6,486	269	41.5	218	33.7	487	75.1	84	387
	CROSSBRED	3,028	315	7,830	315	40.2	257	32.8	572	73.0	68	400
	MONTBELIARDE	1,515	312	6,974	278	39.9	231	33.1	509	73.0	68	390
	PRIM'HOLSTEIN	24,678	338	9,337	375	40.1	303	32.5	678	72.6	68	416
Nièvre	CROSSBRED	55	281	6,105	249	40.7	202	33.1	451	73.9	115	425
	MONTBELIARDE	81	320	7,708	301	39.1	253	32.8	554	71.8	68	388
	PRIM'HOLSTEIN	742	347	9,713	382	39.3	311	32.0	692	71.3	71	426
Nord	JERSIAISE	71	349	5,484	297	54.2	208	37.9	505	92.2	67	413
	BRUNE	151	335	8,468	365	43.1	296	34.9	661	78.0	61	403
	CROSSBRED	4,521	323	8,182	328	40.1	265	32.4	593	72.5	70	404
	MONTBELIARDE	1,571	315	7,693	307	39.9	256	33.3	563	73.2	68	394
	BLEUE DU NORD	504	285	4,827	181	37.6	153	31.8	335	69.4	100	385
	NORMANDE	93	307	6,355	259	40.7	213	33.5	472	74.2	64	408
	ROUGE FLAMANDE	503	312	5,665	226	40.0	187	33.1	414	73.0	73	394
	PRIM'HOLSTEIN	39,934	341	9,754	390	40.0	313	32.1	703	72.1	63	411
Oise	CROSSBRED	759	317	8,184	333	40.7	268	32.8	601	73.5	67	404
	MONTBELIARDE	219	341	7,842	319	40.7	259	33.1	578	73.8	70	412
	NORMANDE	320	313	7,561	315	41.7	266	35.2	582	76.9	63	408
	PRIM'HOLSTEIN	8,592	345	9,589	386	40.2	310	32.3	696	72.6	63	415

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	240	348	<b>6,028</b>	343	<b>56.9</b>	234	<b>38.8</b>	577	95.7	64	424
	BRUNE	185	381	<b>7,593</b>	325	<b>42.8</b>	265	<b>34.9</b>	590	77.7	68	440
	CROSSBRED	3,886	343	<b>7,628</b>	317	<b>41.5</b>	254	<b>33.3</b>	571	74.8	66	414
	MONTBELIARDE	814	342	<b>7,760</b>	317	<b>40.8</b>	262	<b>33.7</b>	578	74.5	71	409
	NORMANDE	24,740	340	<b>6,924</b>	297	<b>42.9</b>	243	<b>35.2</b>	540	78.1	68	410
	PRIM·HOLSTEIN	40,112	360	<b>9,823</b>	403	<b>41.0</b>	321	<b>32.7</b>	724	73.7	64	422
Pas de Calais	JERSIAISE	42	320	<b>5,886</b>	315	<b>53.4</b>	223	<b>37.9</b>	537	91.3	95	391
	BRUNE	246	353	<b>8,630</b>	359	<b>41.6</b>	302	<b>35.0</b>	661	76.6	75	423
	CROSSBRED	2,601	339	<b>9,021</b>	356	<b>39.5</b>	293	<b>32.4</b>	649	71.9	64	403
	MONTBELIARDE	736	331	<b>8,393</b>	332	<b>39.5</b>	277	<b>33.0</b>	608	72.5	66	394
	NORMANDE	184	322	<b>7,068</b>	292	<b>41.3</b>	238	<b>33.7</b>	531	75.1	65	411
	ROUGE FLAMANDE	226	310	<b>5,287</b>	207	<b>39.2</b>	169	<b>32.0</b>	377	71.2	76	386
	PRIM·HOLSTEIN	36,731	353	<b>10,083</b>	393	<b>38.9</b>	323	<b>32.0</b>	716	71.0	64	414
	Puy de Dôme	ABONDANCE	631	309	<b>5,491</b>	206	<b>37.5</b>	187	<b>34.0</b>	392	71.5	82
JERSIAISE		259	316	<b>5,030</b>	256	<b>50.8</b>	187	<b>37.2</b>	443	88.0	81	406
BRUNE		392	341	<b>6,942</b>	285	<b>41.1</b>	239	<b>34.4</b>	524	75.5	89	435
SALERS		235	252	<b>2,794</b>	102	<b>36.4</b>	92	<b>32.9</b>	193	69.2	117	372
SIMMENTAL		246	326	<b>6,665</b>	262	<b>39.3</b>	226	<b>34.0</b>	488	73.2	70	384
CROSSBRED		2,873	314	<b>6,567</b>	256	<b>39.0</b>	213	<b>32.5</b>	469	71.4	78	406
MONTBELIARDE		13,289	317	<b>6,933</b>	270	<b>38.9</b>	230	<b>33.2</b>	500	72.1	74	402
NORMANDE		249	296	<b>5,202</b>	205	<b>39.4</b>	174	<b>33.5</b>	379	72.9	90	406
FERRANDAISE		94	249	<b>2,782</b>	105	<b>37.6</b>	89	<b>32.1</b>	194	69.6	141	400
PRIM·HOLSTEIN		18,212	344	<b>8,186</b>	321	<b>39.2</b>	262	<b>32.0</b>	583	71.2	75	429
Pyrénées Atlantiques	PIE ROUGE	46	325	<b>7,965</b>	334	<b>42.0</b>	259	<b>32.5</b>	593	74.5	66	407
	BRUNE	205	342	<b>7,347</b>	292	<b>39.8</b>	247	<b>33.6</b>	539	73.4	77	450
	CROSSBRED	399	329	<b>7,915</b>	313	<b>39.6</b>	258	<b>32.7</b>	572	72.2	72	421
	MONTBELIARDE	1,026	321	<b>7,672</b>	298	<b>38.8</b>	256	<b>33.4</b>	554	72.2	86	415
	NORMANDE	47	309	<b>5,137</b>	210	<b>40.8</b>	185	<b>36.1</b>	395	76.9	71	395
	PRIM·HOLSTEIN	9,982	351	<b>9,978</b>	388	<b>38.9</b>	320	<b>32.0</b>	707	70.9	71	430
Hautes Pyrénées	BRUNE	106	325	<b>6,861</b>	292	<b>42.5</b>	241	<b>35.1</b>	533	77.6	82	455
	CROSSBRED	105	328	<b>7,603</b>	290	<b>38.1</b>	239	<b>31.4</b>	529	69.5	75	430
	MONTBELIARDE	281	336	<b>7,227</b>	281	<b>38.9</b>	238	<b>33.0</b>	519	71.9	73	417
	PRIM·HOLSTEIN	2,422	350	<b>10,081</b>	392	<b>38.9</b>	326	<b>32.4</b>	719	71.3	68	432
Pyrénées Orientales	MONTBELIARDE	49	307	<b>5,510</b>	230	<b>41.7</b>	180	<b>32.7</b>	410	74.4	157	466
	PRIM·HOLSTEIN	123	348	<b>7,834</b>	303	<b>38.7</b>	256	<b>32.6</b>	559	71.3	78	443

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Bas Rhin	JERSIAISE	129	336	5,321	288	54.1	202	38.1	490	92.1	75	400
	BRUNE	59	338	7,788	320	41.1	263	33.8	583	74.9	74	404
	SIMMENTAL	1,012	315	7,314	305	41.7	249	34.1	554	75.8	68	392
	CROSSBRED	1,198	328	8,450	343	40.6	279	33.1	623	73.7	70	407
	MONTBELIARDE	1,026	330	8,410	341	40.5	286	34.0	627	74.5	68	406
	VOSGIENNE	116	292	3,762	137	36.4	117	31.0	254	67.4	102	414
	PRIM'HOLSTEIN	20,246	343	10,237	411	40.2	334	32.6	745	72.8	66	420
Haut Rhin	JERSIAISE	51	360	5,384	283	52.6	206	38.2	489	90.8	100	441
	BRUNE	95	344	6,962	290	41.6	235	33.8	525	75.4	79	439
	SIMMENTAL	57	336	6,289	258	41.0	212	33.6	470	74.7	73	395
	CROSSBRED	999	332	7,681	308	40.1	251	32.7	559	72.8	70	413
	MONTBELIARDE	3,824	331	8,045	323	40.2	270	33.6	594	73.8	68	404
	VOSGIENNE	598	282	4,249	159	37.5	135	31.8	294	69.2	96	395
	PRIM'HOLSTEIN	6,717	350	9,544	381	39.9	308	32.3	689	72.2	66	425
Rhône	BRUNE	103	336	7,321	311	42.5	254	34.7	565	77.2	72	420
	SIMMENTAL	114	305	6,174	241	39.1	204	33.0	445	72.1	72	400
	CROSSBRED	1,172	319	7,585	305	40.2	249	32.8	554	73.0	71	401
	MONTBELIARDE	11,488	319	7,662	306	40.0	257	33.5	563	73.5	71	401
	PRIM'HOLSTEIN	7,180	345	9,366	376	40.1	303	32.3	679	72.5	68	427
Haute Saône	BRUNE	134	363	8,006	332	41.4	276	34.4	607	75.9	79	462
	SIMMENTAL	77	292	5,546	228	41.1	186	33.5	413	74.5	75	402
	CROSSBRED	1,168	310	7,321	287	39.2	241	32.9	528	72.1	74	403
	MONTBELIARDE	25,740	318	7,868	308	39.2	266	33.8	574	72.9	71	401
	VOSGIENNE	71	283	4,098	152	37.1	132	32.3	284	69.4	99	391
	PRIM'HOLSTEIN	4,862	336	9,185	361	39.3	300	32.6	661	72.0	71	427
Saône & Loire	JERSIAISE	61	415	6,087	362	59.5	251	41.2	613	100.7	76	455
	SIMMENTAL	153	299	7,019	285	40.6	238	33.8	522	74.4	69	405
	CROSSBRED	637	314	7,962	318	39.9	260	32.7	578	72.6	77	408
	MONTBELIARDE	11,890	333	8,291	334	40.3	282	34.0	616	74.3	68	404
	PRIM'HOLSTEIN	2,943	346	9,637	387	40.1	312	32.4	698	72.5	66	422
Sarthe	JERSIAISE	217	319	5,508	308	55.9	215	39.0	523	94.9	84	426
	BRUNE	96	359	7,907	343	43.4	279	35.3	622	78.7	82	457
	SIMMENTAL	85	385	9,149	405	44.3	323	35.3	728	79.5	71	400
	CROSSBRED	1,918	340	7,679	321	41.8	258	33.6	579	75.4	68	417
	MONTBELIARDE	2,237	337	8,175	338	41.3	278	34.0	616	75.4	63	402
	NORMANDE	6,351	333	6,975	306	43.8	248	35.6	554	79.4	64	409
	PRIM'HOLSTEIN	33,859	360	9,962	411	41.3	330	33.1	741	74.4	64	424

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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
Savoie	ABONDANCE	7,671	292	4,961	179	36.0	162	32.7	341	68.7	105	413
	TARENTEISE	7,544	280	4,322	159	36.9	141	32.5	300	69.4	107	402
	CROSSBRED	600	279	4,795	178	37.1	156	32.5	334	69.6	112	408
	MONTBELIARDE	6,827	322	7,647	291	38.1	257	33.5	548	71.7	73	405
	PRIM'HOLSTEIN	248	355	9,271	355	38.3	301	32.4	656	70.7	81	448
Haute Savoie	ABONDANCE	11,504	302	6,112	221	36.1	204	33.4	425	69.5	90	402
	BRUNE	83	350	6,447	260	40.3	221	34.4	481	74.7	70	413
	TARENTEISE	451	285	4,710	171	36.2	156	33.2	327	69.4	100	392
	SIMMENTAL	115	328	7,423	289	39.0	262	35.3	552	74.3	76	401
	CROSSBRED	524	305	7,164	269	37.6	235	32.9	504	70.4	80	403
	MONTBELIARDE	21,822	316	7,743	292	37.7	258	33.4	550	71.0	74	402
	PRIM'HOLSTEIN	1,618	334	10,061	380	37.8	323	32.1	703	69.9	71	422
Seine Maritime	JERSIAISE	167	179	2,880	151	52.6	109	38.0	261	90.5	93	409
	PIE ROUGE	881	327	7,934	339	42.8	269	34.0	609	76.7	68	410
	BRUNE	55	365	8,537	371	43.5	304	35.6	675	79.1	96	435
	CROSSBRED	5,313	329	7,808	318	40.7	258	33.0	576	73.7	65	402
	MONTBELIARDE	1,079	330	8,183	331	40.4	275	33.6	605	74.0	66	399
	NORMANDE	12,457	330	6,928	292	42.2	242	34.9	534	77.1	68	407
	PRIM'HOLSTEIN	27,799	348	9,728	388	39.8	314	32.3	701	72.1	63	420
Seine & Marne	CROSSBRED	101	337	9,022	373	41.3	297	32.9	669	74.2	59	405
	PRIM'HOLSTEIN	2,537	358	10,095	406	40.2	324	32.1	730	72.4	62	417
Yvelines	JERSIAISE	69	317	4,167	238	57.1	166	39.9	404	96.9	170	444
	CROSSBRED	49	293	7,647	306	40.0	252	32.9	558	73.0	66	377
	PRIM'HOLSTEIN	1,102	312	10,093	392	38.8	318	31.5	710	70.4	71	401
Deux Sèvres	JERSIAISE	379	303	5,324	303	56.9	210	39.5	513	96.4	75	397
	CROSSBRED	461	352	9,458	376	39.7	311	32.9	687	72.6	68	409
	MONTBELIARDE	1,053	341	8,243	324	39.3	277	33.6	600	72.8	76	406
	NORMANDE	560	347	6,672	277	41.5	232	34.8	509	76.3	71	426
	PRIM'HOLSTEIN	19,255	358	10,272	415	40.4	338	32.9	753	73.3	66	419
Somme	JERSIAISE	46	350	6,033	330	54.7	235	39.0	565	93.7	72	418
	PIE ROUGE	44	462	7,834	360	45.9	266	34.0	626	79.9	62	560
	BRUNE	48	328	7,656	321	41.9	266	34.7	587	76.6	59	416
	CROSSBRED	1,869	324	8,688	348	40.0	284	32.7	632	72.7	68	406
	MONTBELIARDE	623	315	8,116	320	39.4	270	33.3	590	72.7	67	396
	NORMANDE	414	329	7,603	319	41.9	263	34.6	582	76.5	68	410
	PRIM'HOLSTEIN	20,549	341	10,024	394	39.3	322	32.2	716	71.4	66	411

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Tarn	ABONDANCE	70	324	4,979	185	37.2	163	32.7	348	69.9	97	416
	BRUNE	288	373	6,743	289	42.8	229	34.0	518	76.8	68	437
	SIMMENTAL	40	323	5,462	219	40.1	184	33.7	403	73.8	64	413
	CROSSBRED	527	343	7,469	308	41.2	242	32.3	549	73.5	78	418
	MONTBELIARDE	462	335	6,851	273	39.9	224	32.7	497	72.6	71	409
	PRIM·HOLSTEIN	8,177	351	9,080	362	39.9	289	31.9	651	71.7	70	430
Tarn & Garonne	BRUNE	86	391	5,764	252	43.7	200	34.7	452	78.5	55	462
	CROSSBRED	298	362	7,334	315	42.9	240	32.7	555	75.7	72	419
	MONTBELIARDE	209	355	7,342	314	42.8	242	32.9	556	75.7	66	404
	PRIM·HOLSTEIN	2,766	384	8,938	364	40.8	288	32.2	652	73.0	70	440
Vendée	JERSIAISE	415	315	4,922	275	55.8	183	37.2	458	93.0	81	408
	BRUNE	191	353	7,977	355	44.5	281	35.2	635	79.7	60	423
	SIMMENTAL	90	256	6,196	252	40.7	212	34.2	464	74.9	61	427
	CROSSBRED	1,405	341	8,181	343	42.0	270	33.0	614	75.0	66	409
	MONTBELIARDE	2,316	332	8,289	337	40.7	281	33.9	618	74.5	67	401
	NORMANDE	1,650	335	6,832	291	42.6	242	35.4	533	78.0	68	410
	PRIM·HOLSTEIN	47,525	356	9,979	413	41.4	325	32.5	738	74.0	66	418
Vienne	CROSSBRED	314	381	9,498	403	42.4	316	33.3	719	75.7	72	447
	MONTBELIARDE	399	343	7,617	306	40.2	258	33.9	564	74.1	67	399
	NORMANDE	185	351	6,878	300	43.7	240	34.9	541	78.6	69	416
	PRIM·HOLSTEIN	5,524	363	9,731	399	41.0	320	32.9	719	73.9	63	432
Haute Vienne	CROSSBRED	350	317	6,592	272	41.3	216	32.8	488	74.1	70	394
	MONTBELIARDE	311	312	5,737	233	40.7	187	32.6	421	73.3	84	393
	NORMANDE	507	327	5,665	249	43.9	197	34.7	446	78.6	71	409
	PRIM·HOLSTEIN	3,322	360	9,336	376	40.2	303	32.5	679	72.7	69	428
Vosges	JERSIAISE	52	280	4,222	224	53.0	157	37.1	380	90.1	70	407
	AYRSHIRE	122	330	7,320	352	48.1	227	31.0	579	79.1	77	427
	BRUNE	183	332	6,895	285	41.3	232	33.7	517	75.0	77	423
	SIMMENTAL	567	308	7,019	287	40.9	237	33.8	525	74.7	67	390
	CROSSBRED	2,475	325	7,686	310	40.4	251	32.7	562	73.1	73	408
	MONTBELIARDE	9,157	325	7,560	302	39.9	252	33.4	554	73.3	72	406
	NORMANDE	79	307	6,271	258	41.1	211	33.7	469	74.7	88	398
	VOSGIENNE	489	279	3,785	140	36.9	119	31.3	258	68.3	104	404
PRIM·HOLSTEIN	27,331	341	9,017	361	40.0	292	32.4	653	72.4	70	423	
Yonne	BRUNE	120	361	7,112	304	42.8	239	33.6	543	76.3	61	443
	CROSSBRED	576	348	8,567	351	40.9	284	33.1	635	74.1	67	413
	MONTBELIARDE	708	345	8,053	325	40.4	270	33.5	595	73.9	67	410
	NORMANDE	71	337	7,211	314	43.6	255	35.3	569	78.9	71	408
	PRIM·HOLSTEIN	6,816	368	10,174	411	40.4	329	32.3	740	72.8	64	433

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Territoire de Belfort	CROSSBRED	164	323	7,653	310	40.5	251	32.8	561	73.3	71	422
	MONTBELIARDE	2,182	330	8,389	334	39.8	284	33.8	617	73.6	69	411
	PRIM'HOLSTEIN	1,447	342	9,540	379	39.8	310	32.5	689	72.2	68	429
Val d'Oise	PRIM'HOLSTEIN	172	333	8,956	344	38.4	288	32.2	632	70.6	70	414
Réunion	BRUNE	152	384	7,790	320	41.0	277	35.6	597	76.6	93	468
	CROSSBRED	382	331	7,287	277	38.0	239	32.8	516	70.8	81	421
	MONTBELIARDE	108	320	6,973	270	38.8	230	33.0	500	71.7	69	393
	PRIM'HOLSTEIN	1,898	360	8,250	309	37.4	264	32.0	573	69.5	80	451

<sup>1</sup>Only the breeds with more than 40 results are listed here.



### 3.4 - Complete lactations - all breeds - first lactations

Local area <sup>1</sup>	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	9,864	342	8,020	322	40.1	269	33.6	591	73.7	32
Aisne	6,872	347	8,642	345	39.9	282	32.7	627	72.6	30
Allier	1,454	366	8,441	338	40.1	279	33.0	617	73.1	31
Alpes Hte Provence	186	304	5,454	210	38.4	181	33.2	391	71.6	36
Hautes Alpes	768	326	5,493	210	38.3	179	32.6	389	70.9	38
Ardèche	1,506	339	6,773	269	39.8	224	33.1	494	72.9	34
Ardennes	4,651	348	8,298	328	39.6	270	32.6	598	72.1	32
Ariège	880	367	8,595	342	39.7	284	33.1	626	72.8	32
Aube	2,332	359	8,881	353	39.7	289	32.6	642	72.3	32
Aude	109	373	7,803	313	40.1	255	32.6	567	72.7	33
Aveyron	10,477	350	7,687	308	40.1	252	32.7	560	72.8	30
Calvados	17,936	348	7,813	317	40.6	259	33.2	577	73.8	32
Cantal	12,893	327	6,626	260	39.3	216	32.7	477	71.9	33
Charente	1,856	362	7,786	322	41.3	258	33.1	580	74.4	30
Charente Maritime	2,921	357	8,436	338	40.0	277	32.8	614	72.8	30
Cher	1,064	365	8,264	340	41.1	272	32.9	612	74.0	31
Corrèze	1,278	353	6,980	276	39.6	226	32.3	502	71.9	33
Côte d'Or	3,920	340	7,355	294	40.0	248	33.7	541	73.6	33
Côtes d'Armor	36,663	339	8,015	325	40.5	259	32.3	583	72.7	28
Creuse	1,010	364	7,482	295	39.5	243	32.4	538	71.9	32
Dordogne	2,958	362	8,554	344	40.2	283	33.1	627	73.3	32
Doubs	25,490	308	6,487	247	38.0	215	33.2	462	71.2	33
Drôme	874	363	8,181	327	40.0	273	33.3	600	73.3	33
Eure	5,472	351	8,225	337	41.0	274	33.3	611	74.3	32
Eure & Loir	1,920	361	8,539	354	41.5	287	33.6	641	75.1	30
Finistère	29,858	340	7,657	308	40.2	245	32.0	553	72.2	28
Haute Garonne	2,032	368	8,707	341	39.2	284	32.7	626	71.9	31
Gers	366	356	8,216	318	38.7	265	32.2	582	70.9	31
Gironde	945	363	8,691	337	38.8	284	32.7	621	71.5	30
Ille & Vilaine	60,467	346	7,977	327	41.0	261	32.7	588	73.8	28
Indre	1,324	378	9,201	375	40.8	305	33.2	680	73.9	30
Indre & Loire	4,039	357	9,028	368	40.8	298	33.0	667	73.8	30
Isère	5,933	346	7,906	316	40.0	264	33.4	580	73.3	33
Jura	13,982	312	6,560	247	37.6	218	33.2	464	70.7	35
Landes	1,233	346	8,456	339	40.1	271	32.1	611	72.2	29
Loir & Cher	2,793	358	8,865	362	40.8	292	32.9	654	73.8	29
Loire	10,589	338	7,830	314	40.1	259	33.0	572	73.1	30
Haute Loire	10,843	336	7,294	294	40.3	244	33.4	538	73.7	31
Loire Atlantique	30,690	348	8,088	334	41.3	266	32.9	600	74.2	29
Loiret	1,870	358	8,905	360	40.4	293	32.9	652	73.2	31
Lot	2,597	365	8,438	341	40.4	277	32.8	617	73.2	31
Lot & Garonne	1,812	359	8,414	333	39.6	273	32.5	606	72.0	30
Lozère	1,916	324	6,072	234	38.6	200	33.0	435	71.6	33
Maine & Loire	22,614	349	8,380	352	42.0	279	33.2	630	75.2	29
Manche	43,985	349	7,876	322	40.9	264	33.5	585	74.3	31
Marne	1,356	341	8,683	335	38.5	283	32.6	618	71.1	30
Haute Marne	8,453	348	8,360	330	39.5	280	33.5	611	73.1	33

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



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

Local area <sup>1</sup>	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	43,364	354	8,092	335	41.5	270	33.3	605	74.8	29
Meurthe & Moselle	7,577	338	8,251	329	39.9	266	32.3	595	72.1	32
Meuse	8,860	343	8,912	352	39.5	291	32.7	643	72.2	31
Morbihan	30,398	341	8,093	329	40.6	264	32.6	592	73.2	28
Moselle	10,222	339	8,286	332	40.1	273	32.9	605	73.0	32
Nièvre	339	342	8,490	334	39.3	274	32.3	608	71.6	32
Nord	18,122	344	8,710	346	39.8	281	32.3	627	72.0	29
Oise	3,647	346	8,668	348	40.1	283	32.6	630	72.7	30
Orne	24,801	359	7,977	330	41.4	268	33.6	599	75.0	32
Pas de Calais	15,454	356	9,160	355	38.7	295	32.2	650	70.9	31
Puy de Dôme	10,707	338	7,010	274	39.1	228	32.6	502	71.7	33
Pyrénées Atlantiques	3,748	358	9,037	352	38.9	294	32.5	645	71.4	29
Hautes Pyrénées	909	353	8,981	351	39.1	296	33.0	647	72.1	30
Pyrénées Orientales	64	337	6,567	251	38.2	212	32.3	463	70.5	34
Bas Rhin	8,772	349	9,164	368	40.2	304	33.1	672	73.3	30
Haut Rhin	4,023	346	8,021	320	39.9	265	33.0	585	72.9	32
Rhône	5,597	339	7,663	307	40.0	254	33.1	561	73.2	32
Haute Saône	9,904	326	7,277	285	39.2	246	33.7	531	72.9	34
Saône & Loire	5,026	348	7,986	322	40.3	271	33.9	593	74.2	33
Sarthe	16,663	359	8,545	354	41.4	287	33.6	641	75.0	31
Savoie	6,198	304	5,098	192	37.7	170	33.3	362	71.0	36
Haute Savoie	10,405	315	6,562	246	37.5	221	33.6	467	71.2	35
Seine Maritime	17,602	351	8,137	329	40.4	270	33.2	598	73.5	31
Seine & Marne	968	365	9,247	371	40.1	301	32.5	672	72.7	29
Yvelines	480	307	8,355	335	40.0	273	32.6	607	72.7	28
Deux Sèvres	7,704	361	9,134	369	40.4	303	33.2	672	73.6	29
Somme	8,966	349	9,157	359	39.2	298	32.5	656	71.6	30
Tarn	3,017	358	8,112	322	39.7	262	32.2	584	72.0	30
Tarn & Garonne	1,095	393	8,229	335	40.7	268	32.6	603	73.3	32
Vendée	20,066	356	8,843	365	41.3	291	32.9	655	74.1	28
Vienne	2,259	373	8,883	363	40.9	295	33.2	658	74.1	29
Haute Vienne	1,455	363	8,071	326	40.4	266	32.9	592	73.3	32
Vosges	13,511	340	7,873	314	39.9	259	32.8	573	72.7	34
Yonne	2,897	372	9,098	367	40.3	297	32.6	664	73.0	31
Territoire de Belfort	1,262	346	8,375	332	39.7	280	33.4	612	73.1	32
Val d'Oise	59	340	7,776	309	39.8	254	32.6	563	72.4	26
Réunion	782	375	7,773	292	37.6	254	32.7	546	70.3	31

<sup>1</sup>Only 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 <sup>1</sup>	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	66	391	8,168	337	41.3	290	35.5	627	76.8	34
	SIMMENTAL	184	329	5,876	236	40.2	200	34.1	436	74.3	35
	CROSSBRED	635	333	7,820	315	40.2	260	33.2	574	73.4	33
	MONTBELIARDE	6,480	338	7,588	304	40.1	257	33.9	561	74.0	33
	PRIM'HOLSTEIN	2,451	355	9,432	378	40.1	309	32.8	688	72.9	30
Aisne	CROSSBRED	581	330	7,672	312	40.7	251	32.7	563	73.4	30
	MONTBELIARDE	163	357	7,960	321	40.3	269	33.8	590	74.1	34
	NORMANDE	144	328	5,495	226	41.2	186	33.9	412	75.0	35
	PRIM'HOLSTEIN	5,935	348	8,841	351	39.7	288	32.6	639	72.3	30
Allier	CROSSBRED	69	352	7,224	287	39.7	237	32.8	524	72.5	31
	MONTBELIARDE	133	340	6,438	262	40.6	222	34.5	483	75.1	38
	NORMANDE	68	333	6,472	273	42.2	222	34.3	495	76.4	31
	PRIM'HOLSTEIN	1,148	371	8,939	356	39.9	294	32.8	650	72.7	30
Alpes Hte Provence	MONTBELIARDE	131	311	5,805	219	37.8	192	33.1	411	70.9	37
Hautes Alpes	ABONDANCE	112	299	4,070	150	36.8	134	32.9	284	69.7	41
	TARENDAISE	78	295	4,003	150	37.5	133	33.2	283	70.7	38
	CROSSBRED	66	320	5,087	190	37.4	165	32.5	356	69.9	40
	MONTBELIARDE	352	328	5,773	224	38.8	191	33.1	415	71.9	38
	PRIM'HOLSTEIN	150	359	6,898	264	38.3	216	31.4	480	69.7	34
Ardèche	ABONDANCE	121	316	5,460	208	38.1	183	33.6	391	71.7	36
	CROSSBRED	104	323	5,935	240	40.4	194	32.8	435	73.2	34
	MONTBELIARDE	964	337	6,539	262	40.1	219	33.4	481	73.6	34
	PRIM'HOLSTEIN	301	360	8,440	330	39.1	273	32.3	602	71.4	31
Ardennes	JERSIAISE	47	325	4,911	256	52.2	185	37.7	442	89.9	29
	CROSSBRED	545	329	6,899	275	39.9	224	32.5	499	72.4	34
	MONTBELIARDE	135	314	6,064	244	40.3	200	32.9	444	73.3	36
	PRIM'HOLSTEIN	3,881	352	8,639	341	39.4	281	32.5	621	71.9	32
Ariège	BRUNE	121	380	7,729	331	42.8	275	35.5	606	78.4	33
	MONTBELIARDE	56	328	5,966	234	39.2	195	32.8	429	71.9	37
	PRIM'HOLSTEIN	654	375	9,272	364	39.2	303	32.7	666	71.9	31
Aube	BRUNE	95	344	7,406	308	41.6	258	34.8	566	76.4	33
	CROSSBRED	124	348	8,248	325	39.3	268	32.5	592	71.8	34
	MONTBELIARDE	113	300	6,846	273	39.8	235	34.3	508	74.2	32
	PRIM'HOLSTEIN	1,949	363	9,179	363	39.6	297	32.4	660	71.9	32
Aude	PRIM'HOLSTEIN	75	386	8,529	337	39.5	277	32.5	614	72.0	33

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	43	182	1,554	65	41.8	54	34.9	119	76.7	36
	BRUNE	645	349	6,834	289	42.3	236	34.5	525	76.8	31
	SIMMENTAL	758	321	5,433	217	40.0	185	34.1	403	74.1	34
	CROSSBRED	359	342	7,006	281	40.1	228	32.6	509	72.7	32
	MONTBELIARDE	912	339	6,397	254	39.7	214	33.4	468	73.2	33
	PRIM'HOLSTEIN	7,665	355	8,234	328	39.9	267	32.5	596	72.3	29
Calvados	JERSIAISE	115	347	5,098	302	59.3	206	40.5	508	99.7	27
	BRUNE	40	369	7,168	309	43.0	252	35.1	560	78.2	33
	CROSSBRED	1,633	335	6,591	268	40.7	217	32.9	485	73.7	33
	MONTBELIARDE	263	345	6,713	277	41.3	227	33.8	504	75.1	37
	NORMANDE	3,510	346	6,241	263	42.1	218	35.0	481	77.1	34
	PRIM'HOLSTEIN	12,352	350	8,474	340	40.1	278	32.8	618	72.9	31
Cantal	ABONDANCE	116	294	4,099	153	37.4	136	33.2	289	70.6	36
	JERSIAISE	72	311	4,220	219	51.8	153	36.2	372	88.1	28
	BRUNE	314	342	6,479	268	41.4	224	34.5	492	75.9	33
	SALERS	169	217	1,817	63	34.6	60	33.0	123	67.6	36
	SIMMENTAL	256	309	4,787	189	39.5	162	33.8	351	73.3	36
	CROSSBRED	871	313	5,795	227	39.1	187	32.3	414	71.5	34
	MONTBELIARDE	4,603	321	6,163	239	38.8	205	33.3	445	72.1	34
	NORMANDE	61	301	5,151	210	40.8	178	34.5	388	75.2	33
	PRIM'HOLSTEIN	6,377	339	7,393	291	39.4	238	32.2	529	71.6	31
Charente	JERSIAISE	68	362	5,655	313	55.4	221	39.0	534	94.4	28
	CROSSBRED	112	354	6,507	281	43.2	219	33.6	500	76.8	31
	MONTBELIARDE	144	351	6,788	277	40.8	229	33.7	505	74.5	36
	NORMANDE	181	358	6,052	263	43.5	213	35.1	476	78.6	33
	PRIM'HOLSTEIN	1,344	365	8,354	339	40.5	273	32.6	611	73.2	29
Charente Maritime	CROSSBRED	163	358	7,168	291	40.5	236	32.9	526	73.4	32
	MONTBELIARDE	112	349	6,791	273	40.2	228	33.6	501	73.8	34
	NORMANDE	111	341	6,087	257	42.2	211	34.7	468	76.9	31
	PRIM'HOLSTEIN	2,487	358	8,748	349	39.9	286	32.7	635	72.5	30
Cher	CROSSBRED	136	359	7,711	319	41.4	259	33.6	578	75.0	32
	PRIM'HOLSTEIN	868	367	8,526	348	40.8	279	32.7	627	73.5	31
Corrèze	CROSSBRED	55	302	5,555	227	40.8	183	32.9	409	73.7	34
	MONTBELIARDE	163	327	5,589	215	38.5	183	32.7	398	71.2	35
	PRIM'HOLSTEIN	1,034	360	7,325	290	39.6	236	32.2	527	71.9	32
Côte d'Or	BRUNE	949	343	7,608	315	41.4	267	35.1	582	76.5	31
	SIMMENTAL	435	315	6,470	265	41.0	224	34.6	489	75.6	35
	CROSSBRED	137	344	7,003	275	39.3	230	32.8	505	72.1	33
	MONTBELIARDE	1,200	334	6,797	268	39.5	229	33.6	497	73.1	35
	PRIM'HOLSTEIN	1,181	353	8,138	318	39.0	264	32.4	582	71.5	32

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	40	308	4,424	247	55.9	171	38.6	418	94.5	26
	PIE ROUGE	422	335	6,737	289	42.9	225	33.3	514	76.2	29
	BRUNE	118	366	6,851	298	43.6	234	34.2	533	77.8	31
	CROSSBRED	1,030	340	7,331	302	41.2	236	32.2	538	73.5	30
	MONTBELIARDE	740	331	6,871	279	40.6	225	32.8	504	73.4	30
	NORMANDE	2,398	338	6,272	268	42.7	216	34.4	484	77.1	30
	PRIM·HOLSTEIN	31,890	340	8,223	331	40.3	264	32.1	595	72.4	28
Creuse	CROSSBRED	68	353	6,096	241	39.6	197	32.3	438	71.9	35
	MONTBELIARDE	88	338	5,939	240	40.4	201	33.8	441	74.2	36
	NORMANDE	43	376	4,471	191	42.7	152	33.9	342	76.6	35
	PRIM·HOLSTEIN	811	367	7,925	311	39.3	256	32.3	567	71.6	31
Dordogne	CROSSBRED	180	344	7,468	306	41.0	249	33.4	556	74.4	34
	MONTBELIARDE	221	340	7,234	294	40.7	244	33.8	539	74.4	34
	NORMANDE	52	333	5,262	210	40.0	177	33.7	388	73.7	33
	PRIM·HOLSTEIN	2,475	366	8,854	355	40.1	292	33.0	647	73.1	31
Doubs	SIMMENTAL	52	293	5,902	233	39.4	198	33.6	431	73.0	37
	CROSSBRED	374	311	6,835	266	39.0	223	32.6	489	71.6	33
	MONTBELIARDE	24,506	308	6,444	245	38.0	214	33.2	459	71.2	33
	PRIM·HOLSTEIN	527	338	8,394	325	38.7	274	32.6	599	71.3	32
Drôme	MONTBELIARDE	496	361	7,320	293	40.1	246	33.6	539	73.7	35
	PRIM·HOLSTEIN	333	366	9,753	391	40.0	323	33.1	714	73.2	29
Eure	CROSSBRED	500	343	7,490	304	40.7	250	33.3	554	74.0	34
	MONTBELIARDE	49	314	6,440	265	41.1	220	34.2	485	75.4	35
	NORMANDE	1,084	364	6,936	298	43.0	245	35.3	543	78.3	34
	PRIM·HOLSTEIN	3,801	349	8,739	354	40.5	287	32.9	642	73.4	31
Eure & Loir	JERSIAISE	43	315	5,487	296	54.0	213	38.8	509	92.7	25
	NORMANDE	427	357	6,810	294	43.2	242	35.5	536	78.6	33
	PRIM·HOLSTEIN	1,356	363	9,250	377	40.7	306	33.1	683	73.8	30
Finistère	JERSIAISE	147	324	3,987	225	56.5	151	37.9	376	94.4	25
	PIE ROUGE	494	335	6,983	298	42.6	232	33.3	530	75.9	28
	BRUNE	117	356	6,785	287	42.3	232	34.2	519	76.5	29
	CROSSBRED	1,282	342	6,797	278	40.9	220	32.4	498	73.3	28
	MONTBELIARDE	276	317	6,536	265	40.5	214	32.8	479	73.3	30
	NORMANDE	887	342	5,894	250	42.5	201	34.1	451	76.5	31
	PRIM·HOLSTEIN	26,639	340	7,806	312	40.0	249	31.9	561	71.9	28
Haute Garonne	CROSSBRED	55	374	8,079	325	40.2	264	32.6	589	72.9	31
	MONTBELIARDE	231	343	7,039	273	38.8	238	33.8	512	72.7	34
	PRIM·HOLSTEIN	1,669	373	9,100	356	39.1	296	32.5	652	71.6	31

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	307	363	8,606	333	38.7	276	32.1	610	70.8	31
Gironde	CROSSBRED	61	319	6,345	255	40.2	212	33.3	467	73.5	33
	PRIM·HOLSTEIN	846	368	9,008	348	38.7	294	32.6	642	71.3	30
Ille & Vilaine	JERSIAISE	216	343	4,443	233	52.5	167	37.5	400	90.0	27
	PIE ROUGE	308	340	6,881	304	44.2	236	34.3	540	78.5	29
	BRUNE	96	365	7,541	323	42.8	262	34.7	585	77.5	29
	CROSSBRED	2,472	338	6,768	278	41.0	221	32.6	498	73.6	29
	MONTBELIARDE	1,731	338	6,867	281	40.9	230	33.5	511	74.4	31
	NORMANDE	4,766	338	6,224	266	42.8	215	34.6	482	77.4	31
	PRIM·HOLSTEIN	50,814	347	8,267	338	40.9	269	32.6	607	73.4	28
Indre	CROSSBRED	63	393	9,226	398	43.1	313	33.9	710	77.0	29
	PRIM·HOLSTEIN	1,227	378	9,265	376	40.6	307	33.1	683	73.7	30
Indre & Loire	CROSSBRED	162	338	7,443	308	41.4	243	32.6	551	74.0	33
	MONTBELIARDE	160	357	7,780	319	41.0	260	33.5	579	74.5	32
	NORMANDE	90	331	6,254	268	42.9	216	34.6	485	77.5	32
	PRIM·HOLSTEIN	3,612	358	9,239	376	40.7	305	33.0	681	73.7	29
Isère	ABONDANCE	129	319	5,493	201	36.6	183	33.3	384	70.0	36
	SIMMENTAL	129	297	6,196	266	43.0	211	34.0	477	77.0	35
	CROSSBRED	326	338	7,611	304	39.9	252	33.1	556	73.0	33
	MONTBELIARDE	3,489	342	7,613	306	40.2	257	33.7	563	73.9	34
	PRIM·HOLSTEIN	1,784	361	8,953	354	39.6	293	32.7	647	72.3	30
Jura	SIMMENTAL	308	330	6,510	263	40.4	224	34.3	486	74.7	36
	CROSSBRED	215	312	6,319	251	39.7	212	33.5	463	73.2	36
	MONTBELIARDE	13,167	311	6,523	244	37.4	216	33.1	460	70.6	35
	PRIM·HOLSTEIN	269	336	8,874	348	39.2	287	32.4	635	71.6	29
Landes	PRIM·HOLSTEIN	1,175	345	8,537	342	40.1	274	32.1	616	72.2	28
Loir & Cher	CROSSBRED	41	363	8,146	342	42.0	269	33.1	612	75.1	28
	NORMANDE	339	354	6,893	300	43.5	238	34.5	538	78.0	31
	PRIM·HOLSTEIN	2,354	360	9,201	373	40.5	301	32.7	674	73.2	29
Loire	ABONDANCE	40	276	4,731	185	39.1	160	33.9	345	72.9	35
	BRUNE	62	391	7,849	338	43.1	274	34.9	612	78.0	34
	SIMMENTAL	74	305	6,643	271	40.8	227	34.2	499	75.1	31
	CROSSBRED	546	322	6,994	282	40.3	230	32.8	512	73.1	31
	MONTBELIARDE	4,347	330	7,153	288	40.2	242	33.8	529	74.0	32
	PRIM·HOLSTEIN	5,467	347	8,516	340	39.9	277	32.5	616	72.4	29

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	178	321	4,912	188	38.2	166	33.9	354	72.1	36
	BRUNE	76	370	6,989	297	42.4	235	33.7	532	76.1	32
	TARENTEISE	46	338	5,156	216	41.9	185	35.9	401	77.8	36
	CROSSBRED	675	328	6,677	272	40.7	221	33.1	493	73.8	32
	MONTBELIARDE	6,783	330	7,000	282	40.3	237	33.8	519	74.1	32
	PRIM'HOLSTEIN	3,038	351	8,301	335	40.4	271	32.6	606	73.0	30
Loire Atlantique	JERSIAISE	87	334	3,980	217	54.5	148	37.2	365	91.7	27
	PIE ROUGE	102	326	7,092	326	46.0	254	35.8	580	81.8	30
	BRUNE	74	333	5,847	248	42.3	194	33.3	442	75.6	31
	SIMMENTAL	104	315	4,865	209	43.1	165	33.8	374	76.9	33
	CROSSBRED	869	335	6,512	271	41.6	213	32.8	484	74.3	30
	MONTBELIARDE	1,008	337	7,104	290	40.8	237	33.3	527	74.1	31
	NORMANDE	2,228	341	6,193	264	42.7	215	34.7	479	77.3	32
	PRIM'HOLSTEIN	26,198	350	8,380	345	41.2	274	32.7	619	73.9	29
Loiret	CROSSBRED	139	326	7,687	313	40.7	254	33.0	567	73.7	31
	MONTBELIARDE	75	337	6,826	287	42.1	232	34.0	519	76.0	34
	NORMANDE	40	332	5,959	258	43.2	213	35.7	470	78.9	32
	PRIM'HOLSTEIN	1,608	363	9,195	370	40.2	301	32.8	671	73.0	30
Lot	CROSSBRED	158	353	7,463	308	41.3	246	33.0	554	74.3	34
	MONTBELIARDE	237	364	7,592	305	40.2	257	33.8	561	73.9	32
	PRIM'HOLSTEIN	2,173	366	8,632	348	40.3	282	32.7	630	73.0	30
Lot & Garonne	CROSSBRED	193	335	7,430	301	40.5	244	32.8	545	73.3	30
	NORMANDE	57	372	5,866	251	42.9	205	34.9	456	77.8	32
	PRIM'HOLSTEIN	1,510	362	8,712	343	39.4	282	32.3	624	71.7	30
Lozère	ABONDANCE	83	276	3,887	145	37.4	130	33.5	275	70.8	35
	BRUNE	199	347	6,528	262	40.2	218	33.4	480	73.6	31
	SIMMENTAL	129	316	5,102	201	39.4	176	34.4	377	73.8	35
	MONTBELIARDE	1,138	320	5,938	228	38.3	197	33.2	425	71.5	34
	PRIM'HOLSTEIN	321	340	7,400	283	38.3	234	31.7	518	70.0	30
Maine & Loire	JERSIAISE	659	344	4,926	279	56.6	192	39.0	471	95.7	26
	BRUNE	189	367	7,695	341	44.3	271	35.2	611	79.5	30
	SIMMENTAL	48	324	5,710	251	43.9	198	34.6	449	78.6	34
	CROSSBRED	724	359	7,767	330	42.4	260	33.5	590	75.9	30
	MONTBELIARDE	1,144	337	6,901	282	40.9	232	33.6	514	74.5	31
	NORMANDE	1,178	345	6,335	275	43.4	222	35.0	497	78.4	32
	PRIM'HOLSTEIN	18,662	350	8,761	365	41.6	289	33.0	654	74.6	29

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	285	328	4,056	232	57.3	156	38.6	389	95.8	26
	PIE ROUGE	104	355	7,689	338	44.0	260	33.8	598	77.8	31
	BRUNE	135	344	7,019	298	42.4	246	35.0	544	77.5	30
	SIMMENTAL	54	328	6,096	266	43.6	216	35.5	482	79.1	32
	CROSSBRED	3,266	343	7,207	295	40.9	240	33.3	535	74.2	32
	MONTBELIARDE	421	341	7,224	293	40.5	246	34.1	539	74.7	33
	NORMANDE	13,274	350	6,559	281	42.8	230	35.1	511	77.9	33
	PRIM'HOLSTEIN	26,444	350	8,680	348	40.0	285	32.8	633	72.9	29
Marne	CROSSBRED	41	324	7,203	285	39.6	239	33.2	524	72.8	31
	PRIM'HOLSTEIN	1,279	341	8,792	338	38.4	286	32.6	624	71.0	30
Haute Marne	JERSIAISE	45	341	4,897	256	52.3	184	37.6	440	89.9	25
	BRUNE	226	353	6,786	281	41.4	236	34.7	517	76.1	34
	SIMMENTAL	723	317	6,502	266	40.9	228	35.1	494	76.0	35
	CROSSBRED	373	326	7,473	301	40.2	252	33.7	553	73.9	33
	MONTBELIARDE	1,950	346	7,692	306	39.8	266	34.5	572	74.4	35
	PRIM'HOLSTEIN	5,107	354	9,063	354	39.1	299	33.0	653	72.1	32
Mayenne	JERSIAISE	217	356	4,917	281	57.1	188	38.3	469	95.4	26
	BRUNE	156	351	7,313	309	42.3	252	34.5	562	76.8	30
	SIMMENTAL	99	359	7,016	299	42.6	236	33.6	535	76.2	31
	CROSSBRED	1,946	353	7,438	308	41.4	249	33.5	557	74.9	30
	MONTBELIARDE	1,864	339	7,033	286	40.7	238	33.8	524	74.5	31
	NORMANDE	8,405	339	6,516	278	42.7	228	35.0	507	77.8	31
	PRIM'HOLSTEIN	30,653	359	8,663	357	41.2	285	32.9	642	74.1	28
Meurthe & Moselle	BRUNE	75	331	6,961	300	43.1	243	34.9	543	78.0	31
	CROSSBRED	494	315	7,116	286	40.2	233	32.8	519	73.0	33
	MONTBELIARDE	318	313	6,434	264	41.0	214	33.2	478	74.2	35
	PRIM'HOLSTEIN	6,635	341	8,458	336	39.7	272	32.2	608	71.9	32
Meuse	BRUNE	74	315	7,156	301	42.0	247	34.5	548	76.5	29
	SIMMENTAL	80	320	7,485	314	41.9	257	34.3	570	76.2	35
	CROSSBRED	357	325	7,620	310	40.6	252	33.1	562	73.8	32
	MONTBELIARDE	213	335	7,513	297	39.6	249	33.1	546	72.7	34
	PRIM'HOLSTEIN	8,099	344	9,048	357	39.4	295	32.6	652	72.0	30
Morbihan	PIE ROUGE	774	341	7,263	314	43.2	249	34.3	563	77.6	29
	SIMMENTAL	52	335	6,890	289	42.0	240	34.9	530	76.9	33
	CROSSBRED	729	328	6,955	285	41.0	229	33.0	514	74.0	30
	MONTBELIARDE	732	333	6,982	284	40.6	232	33.2	516	73.9	32
	NORMANDE	1,265	345	6,124	261	42.6	210	34.3	471	76.9	31
	PRIM'HOLSTEIN	26,790	342	8,279	335	40.5	268	32.4	604	72.9	28

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	356	7,736	322	41.7	270	34.8	592	76.5	35
	SIMMENTAL	42	306	5,995	245	40.8	200	33.4	445	74.2	34
	CROSSBRED	958	315	7,106	286	40.3	235	33.0	521	73.3	33
	MONTBELIARDE	449	312	6,282	252	40.0	210	33.4	461	73.4	36
	PRIM'HOLSTEIN	8,683	343	8,548	342	40.0	281	32.9	623	72.9	31
Nièvre	PRIM'HOLSTEIN	295	346	8,786	345	39.2	283	32.2	628	71.5	31
Nord	BRUNE	55	333	7,424	320	43.0	261	35.1	580	78.1	29
	CROSSBRED	1,595	331	7,588	302	39.8	246	32.4	548	72.2	30
	MONTBELIARDE	580	325	7,279	291	39.9	244	33.5	535	73.4	32
	BLEUE DU NORD	165	291	4,315	165	38.3	140	32.4	305	70.7	35
	NORMANDE	44	304	6,044	250	41.3	202	33.4	451	74.7	33
	ROUGE FLAMANDE	152	330	5,413	216	39.9	182	33.5	397	73.4	32
	PRIM'HOLSTEIN	15,446	347	8,995	357	39.7	290	32.2	647	71.9	28
Oise	CROSSBRED	303	328	7,873	320	40.6	260	33.0	579	73.6	30
	MONTBELIARDE	65	327	6,963	282	40.5	227	32.6	509	73.1	31
	NORMANDE	105	326	7,268	303	41.7	257	35.3	560	77.1	32
	PRIM'HOLSTEIN	3,150	349	8,846	354	40.0	288	32.5	641	72.5	30
Orne	JERSIAISE	68	341	5,148	289	56.1	196	38.1	485	94.2	25
	BRUNE	69	393	7,589	326	43.0	263	34.7	590	77.7	32
	CROSSBRED	1,359	354	7,083	292	41.2	237	33.4	529	74.6	33
	MONTBELIARDE	231	345	7,004	286	40.8	239	34.1	524	74.8	34
	NORMANDE	8,599	352	6,562	281	42.8	231	35.2	512	78.0	33
	PRIM'HOLSTEIN	14,434	364	8,941	364	40.8	295	32.9	659	73.7	30
Pas de Calais	BRUNE	92	348	7,696	319	41.5	271	35.2	590	76.7	30
	CROSSBRED	937	347	8,382	331	39.5	273	32.5	604	72.0	32
	MONTBELIARDE	222	334	7,649	307	40.1	255	33.3	562	73.4	34
	NORMANDE	76	330	6,664	282	42.3	226	34.0	508	76.3	33
	ROUGE FLAMANDE	76	312	4,649	182	39.2	151	32.4	333	71.6	35
	PRIM'HOLSTEIN	14,022	357	9,293	359	38.6	299	32.2	658	70.8	30
Puy de Dôme	ABONDANCE	153	307	4,759	179	37.7	163	34.3	343	72.0	35
	JERSIAISE	80	302	4,272	215	50.4	156	36.4	371	86.8	28
	BRUNE	122	342	6,245	255	40.9	216	34.6	471	75.4	34
	SALERS	48	258	2,377	88	37.1	80	33.8	169	71.0	35
	SIMMENTAL	70	312	5,953	236	39.6	203	34.2	439	73.8	35
	CROSSBRED	801	323	6,146	240	39.0	200	32.6	440	71.6	34
	MONTBELIARDE	3,524	325	6,450	251	38.9	215	33.3	466	72.2	35
	NORMANDE	74	308	5,047	201	39.9	169	33.5	370	73.4	36
	PRIM'HOLSTEIN	5,809	352	7,676	300	39.1	246	32.1	546	71.2	32

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Pyrénées Atlantiques	BRUNE	63	341	6,264	249	39.7	215	34.3	463	73.9	32
	CROSSBRED	145	332	6,952	276	39.8	229	33.0	506	72.8	30
	MONTBELIARDE	254	326	6,987	274	39.2	236	33.8	510	72.9	31
	PRIM'HOLSTEIN	3,249	362	9,390	365	38.8	304	32.4	669	71.2	29
Hautes Pyrénées	MONTBELIARDE	79	367	7,070	279	39.4	239	33.8	517	73.2	32
	PRIM'HOLSTEIN	748	355	9,423	368	39.0	310	32.9	677	71.9	30
Pyrénées Orientales	PRIM'HOLSTEIN	40	361	7,855	297	37.8	256	32.6	553	70.4	34
Bas Rhin	JERSIAISE	52	347	5,183	272	52.5	195	37.7	467	90.1	25
	SIMMENTAL	304	320	6,519	279	42.8	225	34.6	504	77.3	34
	CROSSBRED	450	330	7,628	311	40.8	254	33.3	566	74.2	32
	MONTBELIARDE	332	345	7,876	322	40.9	270	34.3	592	75.2	33
	PRIM'HOLSTEIN	7,568	351	9,482	379	40.0	313	33.0	692	73.0	30
Haut Rhin	CROSSBRED	339	336	7,103	290	40.8	237	33.3	527	74.1	33
	MONTBELIARDE	1,123	340	7,357	296	40.2	249	33.8	545	74.0	33
	VOSGIENNE	160	285	3,686	139	37.7	120	32.4	258	70.1	37
	PRIM'HOLSTEIN	2,309	356	8,888	353	39.8	290	32.6	643	72.4	30
Rhône	CROSSBRED	326	330	7,012	281	40.1	229	32.6	510	72.7	32
	MONTBELIARDE	2,887	331	7,063	282	40.0	238	33.7	520	73.7	33
	PRIM'HOLSTEIN	2,307	350	8,559	343	40.0	279	32.6	622	72.7	30
Haute Saône	CROSSBRED	390	316	6,575	257	39.1	218	33.2	475	72.3	35
	MONTBELIARDE	7,637	322	7,048	276	39.2	240	34.0	516	73.2	35
	PRIM'HOLSTEIN	1,771	344	8,517	334	39.2	281	32.9	614	72.1	33
Saône & Loire	SIMMENTAL	59	322	6,894	289	42.0	235	34.0	524	76.0	34
	CROSSBRED	206	321	7,280	291	40.0	240	33.0	532	73.1	33
	MONTBELIARDE	3,665	348	7,758	313	40.4	266	34.3	580	74.7	34
	PRIM'HOLSTEIN	1,073	356	9,009	361	40.0	294	32.6	655	72.7	31
Sarthe	JERSIAISE	78	317	4,321	242	56.0	169	39.0	411	95.0	28
	CROSSBRED	700	352	7,318	304	41.5	246	33.6	550	75.2	33
	MONTBELIARDE	711	342	7,529	312	41.5	257	34.1	570	75.6	33
	NORMANDE	2,341	346	6,595	290	43.9	235	35.6	525	79.6	33
	PRIM'HOLSTEIN	12,763	363	9,056	371	41.0	302	33.3	673	74.3	30
Savoie	ABONDANCE	1,840	294	4,394	160	36.3	144	32.9	304	69.2	37
	TARENTEISE	2,169	290	4,016	150	37.4	132	32.9	282	70.3	36
	CROSSBRED	139	296	4,469	168	37.7	147	32.9	316	70.6	39
	MONTBELIARDE	1,951	325	6,818	262	38.5	231	33.9	494	72.4	35
	PRIM'HOLSTEIN	88	386	9,277	362	39.0	308	33.2	670	72.2	36

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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 Savoie	ABONDANCE	3,238	296	5,167	188	36.4	174	33.7	362	70.1	36
	TARENTEAISE	133	289	4,199	159	37.8	141	33.6	300	71.3	37
	CROSSBRED	146	307	6,470	248	38.3	216	33.4	464	71.7	35
	MONTBELIARDE	6,223	323	7,082	269	37.9	239	33.8	508	71.7	34
	PRIM·HOLSTEIN	601	345	9,316	350	37.5	301	32.3	651	69.9	29
Seine Maritime	JERSIAISE	46	201	2,749	137	49.9	101	36.6	238	86.5	26
	PIE ROUGE	301	338	7,229	307	42.4	250	34.6	557	77.0	32
	CROSSBRED	1,982	345	7,466	303	40.5	247	33.1	550	73.6	33
	MONTBELIARDE	431	341	7,670	309	40.3	260	33.9	570	74.3	33
	NORMANDE	4,414	345	6,626	280	42.3	232	35.0	512	77.2	33
	PRIM·HOLSTEIN	10,403	357	8,974	356	39.7	292	32.5	648	72.2	30
Seine & Marne	PRIM·HOLSTEIN	910	366	9,325	373	39.9	303	32.5	675	72.4	29
Yvelines	PRIM·HOLSTEIN	410	306	8,803	345	39.2	284	32.2	629	71.4	28
Deux Sèvres	JERSIAISE	113	281	4,373	244	55.7	169	38.6	412	94.3	26
	CROSSBRED	171	361	8,637	342	39.5	285	32.9	626	72.5	29
	MONTBELIARDE	326	356	7,704	304	39.5	259	33.6	563	73.0	33
	NORMANDE	201	367	6,615	280	42.3	231	35.0	511	77.2	32
	PRIM·HOLSTEIN	6,883	362	9,367	377	40.3	310	33.1	688	73.4	29
Somme	CROSSBRED	686	334	8,057	319	39.6	265	32.9	584	72.5	30
	MONTBELIARDE	200	319	7,162	284	39.6	241	33.6	525	73.2	32
	NORMANDE	158	344	7,504	314	41.9	261	34.7	575	76.6	31
	PRIM·HOLSTEIN	7,868	351	9,354	365	39.0	303	32.4	668	71.4	29
Tarn	BRUNE	84	361	6,034	258	42.7	201	33.4	459	76.1	32
	CROSSBRED	185	356	7,137	291	40.8	231	32.4	522	73.1	30
	MONTBELIARDE	130	355	6,550	259	39.5	215	32.8	473	72.3	33
	PRIM·HOLSTEIN	2,569	359	8,392	332	39.6	270	32.2	602	71.8	30
Tarn & Garonne	CROSSBRED	94	372	6,849	284	41.4	226	33.0	509	74.4	33
	MONTBELIARDE	46	369	6,770	283	41.8	224	33.1	507	74.9	34
	PRIM·HOLSTEIN	923	397	8,550	347	40.6	278	32.5	625	73.1	32
Vendée	JERSIAISE	124	335	4,422	243	54.9	161	36.5	404	91.4	26
	BRUNE	71	375	7,709	335	43.5	270	35.0	605	78.5	30
	CROSSBRED	513	349	7,427	313	42.2	247	33.2	560	75.4	30
	MONTBELIARDE	703	333	7,317	297	40.6	248	34.0	546	74.6	31
	NORMANDE	581	341	6,335	271	42.8	224	35.3	495	78.1	31
	PRIM·HOLSTEIN	18,034	357	9,067	373	41.2	297	32.7	670	73.9	28

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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
Vienne	CROSSBRED	122	392	8,943	384	42.9	300	33.5	683	76.4	27
	MONTBELIARDE	138	359	7,241	291	40.2	248	34.2	538	74.4	31
	NORMANDE	71	355	6,534	282	43.2	226	34.6	508	77.8	31
	PRIM'HOLSTEIN	1,919	374	9,100	371	40.7	301	33.1	672	73.8	29
Haute Vienne	CROSSBRED	109	338	6,243	258	41.3	206	33.0	464	74.3	35
	MONTBELIARDE	75	324	5,796	234	40.4	192	33.1	426	73.5	35
	NORMANDE	153	352	5,682	248	43.7	196	34.5	444	78.1	34
	PRIM'HOLSTEIN	1,099	370	8,802	353	40.0	288	32.7	641	72.8	31
Vosges	BRUNE	57	340	6,737	281	41.6	230	34.2	511	75.8	37
	SIMMENTAL	183	317	6,647	274	41.2	228	34.3	501	75.4	36
	CROSSBRED	827	324	6,932	280	40.3	229	33.0	508	73.3	35
	MONTBELIARDE	2,654	331	6,830	273	40.0	229	33.6	503	73.6	36
	VOSGIENNE	113	280	3,370	129	38.2	108	32.0	237	70.2	38
	PRIM'HOLSTEIN	9,600	346	8,345	332	39.8	272	32.6	604	72.4	33
Yonne	CROSSBRED	184	364	7,719	319	41.3	258	33.4	577	74.7	32
	MONTBELIARDE	196	351	7,373	300	40.8	249	33.7	549	74.5	33
	PRIM'HOLSTEIN	2,446	375	9,426	379	40.2	306	32.5	685	72.7	31
Territoire de Belfort	CROSSBRED	48	336	7,453	295	39.6	245	32.9	540	72.5	34
	MONTBELIARDE	624	341	7,772	310	39.9	265	34.1	575	74.0	33
	PRIM'HOLSTEIN	576	352	9,162	361	39.4	299	32.7	660	72.1	31
Val d'Oise	PRIM'HOLSTEIN	58	345	7,866	313	39.8	257	32.6	570	72.5	26
Réunion	BRUNE	40	392	7,266	297	40.9	259	35.7	556	76.6	34
	CROSSBRED	99	361	7,068	264	37.3	235	33.2	499	70.6	31
	PRIM'HOLSTEIN	611	377	7,951	297	37.4	258	32.4	555	69.8	31

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area <sup>1</sup>	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	32,668	7,697	304	39.5	253	32.9	557	72.4
Aisne	18,695	8,163	322	39.5	260	31.9	583	71.4
Allier	4,191	7,490	298	39.8	242	32.3	540	72.0
Alpes Hte Provence	605	5,561	214	38.4	183	32.8	396	71.2
Hautes Alpes	2,456	5,410	206	38.1	172	31.8	379	70.0
Alpes Maritimes	115	4,643	179	38.5	150	32.4	329	70.8
Ardèche	6,079	6,397	252	39.4	207	32.3	459	71.8
Ardennes	13,507	7,934	310	39.1	252	31.7	562	70.8
Ariège	2,711	7,431	289	38.8	238	32.0	526	70.8
Aube	6,462	8,148	319	39.2	258	31.6	577	70.8
Aude	360	6,810	264	38.8	213	31.3	477	70.1
Aveyron	34,352	7,180	285	39.6	230	32.0	514	71.6
Calvados	51,169	7,251	291	40.2	235	32.4	526	72.6
Cantal	46,363	6,378	248	38.8	205	32.1	452	70.9
Charente	5,652	7,155	291	40.7	230	32.2	521	72.8
Charente Maritime	8,524	7,894	312	39.6	251	31.8	563	71.4
Cher	3,205	7,512	306	40.8	241	32.0	547	72.8
Corrèze	4,817	6,523	255	39.1	206	31.6	461	70.7
Côte d'Or	11,985	7,141	282	39.5	236	33.1	518	72.6
Côtes d'Armor	108,430	8,012	323	40.4	254	31.7	577	72.0
Creuse	3,132	6,904	272	39.4	219	31.7	491	71.1
Dordogne	9,567	7,755	308	39.7	248	32.0	556	71.7
Doubs	83,053	6,737	254	37.6	220	32.7	474	70.4
Drôme	2,829	7,121	280	39.4	230	32.4	511	71.7
Eure	15,379	7,630	307	40.3	248	32.5	555	72.7
Eure & Loir	5,247	7,865	321	40.8	257	32.7	578	73.5
Finistère	91,652	7,715	309	40.0	243	31.5	551	71.4
Haute Garonne	6,294	7,688	298	38.7	244	31.7	541	70.4
Gers	1,265	7,365	281	38.2	230	31.2	511	69.4
Gironde	3,170	7,676	294	38.3	243	31.7	537	70.0
Hérault	90	6,536	247	37.9	201	30.8	449	68.7
Ille & Vilaine	175,051	7,759	316	40.7	249	32.1	565	72.8
Indre	3,707	8,368	335	40.0	269	32.1	604	72.2
Indre & Loire	11,847	8,472	342	40.3	273	32.2	615	72.6
Isère	18,404	7,451	295	39.5	243	32.6	538	72.1
Jura	46,430	6,656	247	37.2	217	32.6	465	69.8
Landes	3,845	8,161	321	39.4	255	31.2	576	70.6
Loir & Cher	7,756	8,332	338	40.5	269	32.3	607	72.8
Loire	34,423	7,573	300	39.6	246	32.5	546	72.1
Haute Loire	38,834	6,922	276	39.9	227	32.9	503	72.7
Loire Atlantique	87,651	7,764	317	40.9	249	32.1	567	73.0
Loiret	5,079	8,241	329	40.0	263	31.9	592	71.9
Lot	8,233	7,671	304	39.7	244	31.8	548	71.5
Lot & Garonne	6,176	7,600	297	39.1	239	31.5	536	70.6
Lozère	7,366	5,979	229	38.3	193	32.4	422	70.6
Maine & Loire	63,074	7,990	333	41.7	260	32.5	593	74.2
Manche	125,539	7,402	299	40.4	242	32.7	542	73.2

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





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

Local area <sup>1</sup>	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	3,834	8,515	324	38.0	270	31.7	594	69.7
Haute Marne	24,202	7,950	310	39.0	260	32.6	570	71.6
Mayenne	117,994	7,599	313	41.2	248	32.7	561	73.9
Meurthe & Moselle	22,726	7,956	314	39.5	251	31.5	565	71.0
Meuse	25,233	8,516	333	39.1	271	31.8	604	70.9
Morbihan	91,139	8,052	326	40.5	258	32.0	584	72.5
Moselle	29,555	7,983	316	39.6	256	32.0	571	71.6
Nièvre	881	8,061	312	38.7	254	31.5	566	70.3
Nord	47,435	8,225	325	39.5	260	31.6	585	71.1
Oise	9,949	8,093	322	39.8	258	31.9	580	71.6
Orne	70,067	7,411	304	41.0	244	32.9	547	73.8
Pas de Calais	40,807	8,527	329	38.5	269	31.5	597	70.1
Puy de Dôme	36,504	6,609	255	38.6	211	32.0	467	70.6
Pyrénées Atlantiques	11,760	8,280	316	38.2	261	31.6	578	69.8
Hautes Pyrénées	2,928	8,178	313	38.2	260	31.8	572	70.0
Pyrénées Orientales	210	5,788	227	39.2	185	32.0	412	71.2
Bas Rhin	23,814	8,675	344	39.6	279	32.2	623	71.8
Haut Rhin	12,396	7,547	298	39.4	243	32.2	540	71.6
Rhône	20,101	7,370	292	39.6	240	32.5	531	72.1
Haute Saône	32,114	7,239	281	38.8	240	33.1	520	71.9
Saône & Loire	15,717	7,527	299	39.8	249	33.1	549	72.9
Sarthe	44,787	7,910	323	40.9	260	32.8	583	73.7
Savoie	22,931	5,215	192	36.8	170	32.7	362	69.5
Haute Savoie	36,123	6,680	246	36.9	220	32.9	466	69.8
Seine Maritime	47,752	7,496	300	40.0	243	32.4	543	72.4
Seine & Marne	2,711	8,510	338	39.8	268	31.5	607	71.3
Yvelines	1,238	8,723	340	39.0	274	31.4	613	70.3
Deux Sèvres	21,741	8,491	338	39.8	274	32.3	612	72.1
Somme	23,603	8,494	330	38.9	269	31.7	599	70.6
Tarn	9,599	7,539	297	39.3	236	31.3	533	70.7
Tarn & Garonne	3,391	7,005	282	40.2	220	31.4	502	71.6
Vendée	53,608	8,283	338	40.8	265	32.0	603	72.8
Vienne	6,442	8,032	324	40.3	259	32.2	583	72.5
Haute Vienne	4,540	7,188	287	39.9	230	32.0	517	72.0
Vosges	40,462	7,471	295	39.5	240	32.1	535	71.6
Yonne	8,331	8,209	326	39.7	261	31.8	587	71.5
Territoire de Belfort	3,831	7,676	301	39.3	251	32.7	553	72.0
Val d'Oise	175	7,888	299	37.9	249	31.5	548	69.4
Réunion	2,542	6,693	248	37.1	212	31.6	460	68.7

<sup>1</sup>Only 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 <sup>1</sup>	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	62	4,996	180	36.0	166	33.3	346	69.2
	BRUNE	175	7,168	288	40.1	245	34.1	532	74.3
	SIMMENTAL	541	6,086	240	39.4	204	33.6	444	73.0
	CROSSBRED	1,858	7,767	309	39.8	254	32.7	562	72.4
	MONTBELIARDE	22,991	7,409	292	39.4	246	33.2	538	72.6
	PRIM'HOLSTEIN	6,965	8,821	349	39.6	281	31.9	630	71.4
Aisne	JERSIAISE	60	6,161	329	53.4	232	37.7	561	91.1
	CROSSBRED	1,655	7,328	294	40.1	236	32.3	530	72.4
	MONTBELIARDE	503	7,213	287	39.9	240	33.3	528	73.2
	NORMANDE	416	5,293	216	40.8	178	33.6	394	74.4
	PRIM'HOLSTEIN	15,976	8,371	329	39.4	266	31.8	595	71.1
Allier	JERSIAISE	65	3,091	183	59.3	120	39.0	304	98.3
	BRUNE	57	5,705	239	41.9	193	33.8	432	75.7
	CROSSBRED	170	6,760	265	39.2	217	32.2	483	71.4
	MONTBELIARDE	460	5,921	238	40.1	200	33.8	438	74.0
	NORMANDE	208	5,872	248	42.2	203	34.6	451	76.8
	PRIM'HOLSTEIN	3,229	7,977	315	39.4	255	31.9	569	71.4
Alpes Hte Provence	ABONDANCE	51	4,722	173	36.6	154	32.6	327	69.3
	JERSIAISE	45	4,089	195	47.6	150	36.8	345	84.4
	CROSSBRED	40	4,949	187	37.8	163	33.0	350	70.7
	MONTBELIARDE	414	5,966	226	37.9	195	32.6	421	70.5
Hautes Alpes	ABONDANCE	384	4,385	160	36.5	141	32.3	302	68.8
	TARENDAISE	248	4,071	149	36.5	131	32.3	280	68.8
	CROSSBRED	205	5,065	191	37.6	161	31.9	352	69.5
	MONTBELIARDE	1,137	5,676	220	38.7	183	32.2	402	70.9
	PRIM'HOLSTEIN	441	6,596	253	38.3	201	30.4	454	68.8
Alpes Maritimes	ABONDANCE	83	4,482	174	38.8	147	32.8	321	71.5
Ardèche	ABONDANCE	530	5,633	213	37.8	187	33.3	400	71.0
	CROSSBRED	413	5,865	235	40.1	190	32.4	425	72.5
	MONTBELIARDE	4,096	6,258	249	39.7	204	32.6	453	72.4
	PRIM'HOLSTEIN	986	7,670	298	38.8	238	31.0	536	69.8
Ardennes	JERSIAISE	80	4,503	234	52.1	169	37.5	403	89.6
	CROSSBRED	1,579	6,808	269	39.6	218	32.0	487	71.6
	MONTBELIARDE	423	6,280	250	39.8	205	32.7	455	72.5
	NORMANDE	82	5,496	223	40.6	181	32.9	404	73.5
	PRIM'HOLSTEIN	11,310	8,200	320	39.0	259	31.6	579	70.6

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Ariège	BRUNE	463	6,668	277	41.5	228	34.2	505	75.7
	CROSSBRED	121	6,410	246	38.3	201	31.3	446	69.6
	MONTBELIARDE	245	5,474	211	38.6	177	32.4	389	71.0
	PRIM·HOLSTEIN	1,812	8,071	308	38.2	254	31.5	563	69.7
Aube	JERSIAISE	41	5,729	287	50.1	216	37.7	503	87.8
	BRUNE	285	7,391	303	41.0	251	33.9	554	75.0
	SIMMENTAL	59	5,469	228	41.7	181	33.1	409	74.8
	CROSSBRED	406	7,448	292	39.2	237	31.9	530	71.1
	MONTBELIARDE	289	7,415	287	38.6	247	33.3	533	71.9
	PRIM·HOLSTEIN	5,370	8,333	325	39.1	261	31.4	587	70.4
Aude	BRUNE	59	5,916	249	42.0	195	33.0	444	75.1
	PRIM·HOLSTEIN	239	7,546	288	38.1	233	30.9	521	69.0
Aveyron	ABONDANCE	76	4,234	151	35.7	140	33.0	291	68.6
	AUBRAC	111	2,043	81	39.7	71	34.6	152	74.4
	JERSIAISE	83	4,113	207	50.3	146	35.4	353	85.7
	PIE ROUGE	64	7,687	332	43.3	252	32.8	585	76.1
	BUFFLE	51	1,680	125	74.2	75	44.6	200	118.8
	BRUNE	2,294	6,523	274	42.0	223	34.2	497	76.2
	SIMMENTAL	2,939	5,465	213	39.0	183	33.6	397	72.6
	CROSSBRED	1,167	6,492	259	39.9	208	32.0	467	71.9
	MONTBELIARDE	3,940	6,191	243	39.2	203	32.8	446	72.0
	NORMANDE	55	4,607	191	41.5	157	34.1	349	75.7
PRIM·HOLSTEIN	23,572	7,718	305	39.5	243	31.5	548	71.1	
Calvados	JERSIAISE	386	5,230	312	59.7	214	40.8	526	100.5
	BRUNE	116	6,182	256	41.3	212	34.4	468	75.7
	CROSSBRED	4,836	6,299	253	40.2	203	32.3	456	72.4
	MONTBELIARDE	906	6,354	258	40.7	210	33.1	469	73.7
	NORMANDE	10,470	5,773	239	41.4	199	34.4	438	75.8
	PRIM·HOLSTEIN	34,391	7,887	313	39.7	251	31.9	565	71.6
Cantal	ABONDANCE	567	4,621	171	36.9	153	33.2	324	70.1
	JERSIAISE	241	4,168	223	53.4	155	37.1	377	90.5
	PIE ROUGE	164	5,621	231	41.2	181	32.2	413	73.4
	BRUNE	991	6,079	248	40.8	206	33.9	454	74.7
	SALERS	745	2,125	70	33.1	70	33.0	140	66.1
	SIMMENTAL	1,006	4,733	184	38.8	158	33.3	341	72.1
	CROSSBRED	3,401	5,729	221	38.6	182	31.8	404	70.4
	MONTBELIARDE	17,814	6,047	233	38.5	198	32.7	431	71.2
	NORMANDE	194	5,034	206	40.9	171	34.0	377	74.9
PRIM·HOLSTEIN	21,189	7,103	277	39.0	224	31.5	501	70.5	

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	255	5,209	288	55.3	201	38.6	489	93.9
	CROSSBRED	345	6,218	262	42.2	204	32.8	466	75.0
	MONTBELIARDE	458	6,243	252	40.3	206	32.9	457	73.2
	NORMANDE	537	5,402	230	42.7	187	34.7	418	77.3
	PRIM'HOLSTEIN	4,037	7,702	306	39.8	243	31.5	549	71.3
Charente Maritime	PIE ROUGE	57	7,568	310	40.9	249	32.9	559	73.8
	CROSSBRED	440	6,924	277	40.0	222	32.1	499	72.1
	MONTBELIARDE	405	6,813	268	39.3	225	33.0	493	72.3
	NORMANDE	362	5,651	234	41.5	194	34.3	428	75.7
	PRIM'HOLSTEIN	7,207	8,158	322	39.4	258	31.6	580	71.1
Cher	JERSIAISE	86	4,585	257	56.0	185	40.3	442	96.3
	CROSSBRED	425	7,025	286	40.8	228	32.5	514	73.2
	MONTBELIARDE	69	5,628	231	41.1	182	32.4	414	73.5
	PRIM'HOLSTEIN	2,564	7,771	314	40.5	247	31.8	561	72.2
Corrèze	CROSSBRED	267	5,671	225	39.6	182	32.0	406	71.7
	MONTBELIARDE	702	5,231	203	38.9	170	32.5	374	71.4
	PRIM'HOLSTEIN	3,744	6,890	270	39.1	216	31.4	486	70.5
Côte d'Or	ABONDANCE	78	4,832	175	36.2	156	32.3	331	68.5
	BRUNE	2,825	7,243	297	41.0	250	34.5	546	75.4
	SIMMENTAL	1,499	6,881	275	40.0	233	33.8	508	73.8
	CROSSBRED	429	6,700	263	39.2	217	32.4	480	71.6
	MONTBELIARDE	3,909	6,889	268	38.9	228	33.1	496	72.0
	PRIM'HOLSTEIN	3,228	7,606	296	38.9	241	31.7	537	70.5
Côtes d'Armor	JERSIAISE	93	4,309	234	54.4	165	38.2	399	92.7
	PIE ROUGE	1,328	7,054	300	42.6	232	32.9	532	75.4
	BRUNE	383	6,601	286	43.3	222	33.6	508	77.0
	SIMMENTAL	61	6,006	242	40.3	196	32.7	438	73.0
	CROSSBRED	3,121	7,275	298	41.0	232	31.9	530	72.8
	MONTBELIARDE	2,546	7,041	285	40.5	230	32.6	515	73.1
	NORMANDE	7,336	6,183	261	42.3	211	34.1	472	76.4
	PRIM'HOLSTEIN	93,551	8,232	331	40.2	259	31.5	590	71.7
Creuse	CROSSBRED	232	5,847	230	39.4	184	31.5	414	70.9
	MONTBELIARDE	290	5,918	234	39.5	195	32.9	429	72.4
	NORMANDE	118	4,406	182	41.3	147	33.3	329	74.6
	PRIM'HOLSTEIN	2,489	7,238	285	39.3	228	31.5	513	70.8
Dordogne	BRUNE	58	5,812	240	41.3	202	34.7	442	76.1
	CROSSBRED	555	6,790	275	40.6	222	32.7	498	73.3
	MONTBELIARDE	867	6,842	273	39.9	226	33.1	499	73.0
	NORMANDE	173	5,167	203	39.2	172	33.2	374	72.5
	PRIM'HOLSTEIN	7,880	8,006	317	39.6	255	31.8	572	71.4

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Doubs	SIMMENTAL	143	5,715	217	38.0	187	32.7	404	70.7
	CROSSBRED	951	6,981	268	38.4	223	32.0	491	70.4
	MONTBELIARDE	80,387	6,708	252	37.6	220	32.8	472	70.4
	PRIM·HOLSTEIN	1,500	8,288	318	38.4	263	31.8	581	70.1
Drôme	ABONDANCE	49	4,497	157	35.0	146	32.4	303	67.4
	CROSSBRED	114	6,546	251	38.3	210	32.0	460	70.3
	MONTBELIARDE	1,728	6,487	257	39.7	212	32.6	469	72.3
	PRIM·HOLSTEIN	874	8,802	345	39.2	282	32.0	627	71.2
Eure	JERSIAISE	54	3,702	201	54.2	136	36.7	337	90.9
	CROSSBRED	1,510	6,958	280	40.3	227	32.7	508	73.0
	MONTBELIARDE	169	6,619	268	40.4	223	33.7	491	74.2
	NORMANDE	3,081	6,083	255	41.9	210	34.6	465	76.5
	PRIM·HOLSTEIN	10,518	8,221	328	39.8	263	32.0	590	71.8
Eure & Loir	JERSIAISE	137	6,206	330	53.1	238	38.3	568	91.5
	BRUNE	76	7,119	312	43.8	243	34.1	555	78.0
	CROSSBRED	111	6,867	277	40.4	226	32.9	503	73.2
	MONTBELIARDE	84	6,680	275	41.1	224	33.5	498	74.6
	NORMANDE	1,241	6,178	261	42.2	215	34.7	475	77.0
	PRIM·HOLSTEIN	3,591	8,595	344	40.0	275	32.0	619	72.0
Finistère	JERSIAISE	431	4,206	241	57.4	161	38.4	403	95.8
	PIE ROUGE	1,606	7,257	307	42.3	238	32.8	545	75.2
	BRUNE	383	6,444	273	42.4	216	33.6	490	76.0
	SIMMENTAL	42	5,445	229	42.0	185	34.0	414	76.0
	CROSSBRED	3,538	6,717	274	40.8	215	31.9	489	72.7
	MONTBELIARDE	1,093	6,796	277	40.8	222	32.6	499	73.4
	NORMANDE	2,602	5,760	241	41.9	194	33.7	435	75.6
	PRIM·HOLSTEIN	81,944	7,867	313	39.8	246	31.3	560	71.1
Haute Garonne	ABONDANCE	106	3,347	119	35.7	111	33.2	230	68.9
	BRUNE	100	7,061	290	41.1	234	33.1	524	74.2
	CROSSBRED	206	7,055	278	39.4	225	31.9	503	71.3
	MONTBELIARDE	882	6,469	249	38.5	215	33.2	464	71.7
	PRIM·HOLSTEIN	4,951	8,062	312	38.6	253	31.4	565	70.0
Gers	CROSSBRED	108	6,321	239	37.8	203	32.1	442	69.9
	NORMANDE	42	4,913	195	39.6	166	33.8	361	73.4
	PRIM·HOLSTEIN	1,067	7,612	290	38.1	236	31.0	526	69.1
Gironde	BRUNE	42	5,640	226	40.1	187	33.1	413	73.3
	CROSSBRED	167	6,386	250	39.2	205	32.1	455	71.2
	MONTBELIARDE	74	5,894	241	40.8	193	32.8	434	73.6
	PRIM·HOLSTEIN	2,846	7,882	301	38.2	249	31.6	550	69.8

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Hérault	PRIM·HOLSTEIN	63	6,753	254	37.6	204	30.2	458	67.8
Ille & Vilaine	JERSIAISE	550	4,138	219	52.9	155	37.5	374	90.4
	PIE ROUGE	929	6,937	299	43.2	232	33.4	531	76.6
	BRUNE	307	6,717	288	42.9	230	34.2	518	77.2
	BRETONNE PIE NOIRE	40	1,988	84	42.2	67	33.6	151	75.8
	SIMMENTAL	134	5,072	214	42.3	165	32.5	379	74.8
	CROSSBRED	7,270	6,719	274	40.8	217	32.3	491	73.1
	MONTBELIARDE	5,937	6,775	276	40.7	224	33.1	500	73.8
	NORMANDE	14,292	5,992	253	42.2	205	34.2	458	76.5
	PRIM·HOLSTEIN	145,540	8,051	327	40.6	257	31.9	583	72.4
FROMENT DU LEON	47	2,347	102	43.3	77	32.9	179	76.3	
Indre	CROSSBRED	168	7,710	317	41.2	251	32.6	569	73.8
	MONTBELIARDE	56	7,277	285	39.2	238	32.8	523	71.9
	PRIM·HOLSTEIN	3,408	8,480	339	39.9	272	32.1	611	72.0
Indre & Loire	CROSSBRED	531	7,348	301	40.9	237	32.3	538	73.2
	MONTBELIARDE	629	7,400	300	40.6	243	32.9	544	73.5
	NORMANDE	253	6,131	262	42.7	210	34.3	472	77.0
	PRIM·HOLSTEIN	10,373	8,664	349	40.2	279	32.1	627	72.4
Isère	ABONDANCE	431	5,429	199	36.7	178	32.7	377	69.5
	JERSIAISE	43	5,035	257	51.1	190	37.7	447	88.8
	BRUNE	75	6,412	265	41.3	217	33.8	481	75.1
	TARENTEISE	83	3,958	152	38.5	131	33.0	283	71.4
	SIMMENTAL	406	6,522	279	42.8	220	33.8	500	76.6
	CROSSBRED	1,040	7,153	284	39.7	232	32.5	516	72.2
	MONTBELIARDE	11,336	7,321	290	39.6	242	33.0	532	72.7
	PRIM·HOLSTEIN	4,942	8,194	321	39.1	259	31.7	580	70.8
Jura	JERSIAISE	44	3,682	219	59.4	146	39.5	364	98.9
	SIMMENTAL	1,068	6,321	249	39.4	213	33.6	461	73.0
	CROSSBRED	646	6,162	239	38.8	202	32.8	441	71.6
	MONTBELIARDE	43,911	6,651	246	37.0	217	32.6	463	69.7
	PRIM·HOLSTEIN	739	8,056	313	38.8	256	31.7	568	70.5
Landes	CROSSBRED	93	6,966	274	39.4	220	31.6	494	70.9
	MONTBELIARDE	53	5,562	228	40.9	185	33.3	413	74.2
	PRIM·HOLSTEIN	3,649	8,263	325	39.3	258	31.2	583	70.5
Loir & Cher	CROSSBRED	129	7,857	325	41.4	260	33.1	585	74.4
	MONTBELIARDE	137	8,295	341	41.1	282	33.9	623	75.1
	NORMANDE	940	6,444	275	42.7	220	34.1	495	76.8
	PRIM·HOLSTEIN	6,480	8,635	347	40.2	276	32.0	624	72.2

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	141	5,494	211	38.3	185	33.6	395	72.0
	JERSIAISE	79	4,773	264	55.2	185	38.7	448	93.9
	BRUNE	221	6,587	280	42.5	224	34.1	504	76.6
	SIMMENTAL	236	7,173	285	39.7	240	33.5	525	73.2
	CROSSBRED	1,703	6,929	277	40.0	225	32.5	502	72.4
	MONTBELIARDE	15,580	7,115	283	39.8	237	33.4	520	73.1
	NORMANDE	67	6,011	246	40.8	207	34.4	452	75.3
	PRIM'HOLSTEIN	16,365	8,139	321	39.4	258	31.7	579	71.1
Haute Loire	ABONDANCE	787	5,201	197	37.8	175	33.6	371	71.4
	BRUNE	229	5,899	247	41.8	197	33.4	444	75.2
	TARENTEISE	114	4,985	201	40.4	174	34.9	375	75.3
	SIMMENTAL	79	5,383	219	40.7	182	33.8	401	74.4
	CROSSBRED	2,293	6,478	260	40.1	211	32.6	471	72.7
	MONTBELIARDE	26,030	6,776	270	39.8	225	33.3	495	73.1
	PRIM'HOLSTEIN	9,234	7,672	307	40.0	244	31.8	551	71.8
	Loire Atlantique	JERSIAISE	267	3,967	219	55.3	149	37.5	368
PIE ROUGE		327	7,597	340	44.8	261	34.3	601	79.1
BRUNE		247	5,952	253	42.5	197	33.1	450	75.7
BRETONNE PIE NOIRE		74	2,551	114	44.6	84	33.1	198	77.6
SIMMENTAL		350	5,208	222	42.5	174	33.4	395	75.9
CROSSBRED		2,330	6,392	265	41.5	206	32.2	471	73.8
MONTBELIARDE		3,155	6,986	283	40.5	229	32.8	512	73.3
NORMANDE		6,686	5,869	247	42.1	201	34.2	448	76.3
PRIM'HOLSTEIN		74,189	8,050	328	40.7	257	31.9	585	72.7
Loiret	CROSSBRED	365	7,380	297	40.3	238	32.2	535	72.5
	MONTBELIARDE	233	7,054	288	40.9	233	33.0	521	73.9
	NORMANDE	109	5,502	235	42.7	194	35.2	429	78.0
	PRIM'HOLSTEIN	4,340	8,458	337	39.8	269	31.8	606	71.6
Lot	BRUNE	71	5,896	250	42.3	197	33.5	447	75.8
	CROSSBRED	552	7,020	282	40.2	226	32.2	508	72.4
	MONTBELIARDE	909	6,770	268	39.5	223	32.9	490	72.4
	PRIM'HOLSTEIN	6,647	7,887	313	39.6	249	31.6	562	71.2
Lot & Garonne	JERSIAISE	71	5,000	258	51.5	179	35.8	436	87.3
	CROSSBRED	641	7,038	279	39.7	226	32.1	505	71.8
	MONTBELIARDE	109	6,257	248	39.6	204	32.7	452	72.2
	NORMANDE	179	4,852	202	41.7	166	34.1	368	75.9
	PRIM'HOLSTEIN	5,137	7,845	305	38.9	245	31.3	550	70.1

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	355	4,512	167	37.1	149	33.1	316	70.1
	BRUNE	688	6,322	252	39.9	209	33.0	461	72.9
	SIMMENTAL	511	5,328	206	38.6	181	34.0	387	72.6
	CROSSBRED	126	5,558	211	37.9	177	31.8	387	69.7
	MONTBELIARDE	4,522	5,926	226	38.1	192	32.5	418	70.6
	PRIM'HOLSTEIN	1,112	6,893	263	38.1	212	30.8	475	68.9
Maine & Loire	JERSIAISE	2,255	4,873	273	56.0	189	38.7	462	94.8
	BRUNE	543	7,150	316	44.2	248	34.7	564	78.9
	SIMMENTAL	167	6,189	261	42.2	210	33.9	471	76.1
	CROSSBRED	2,050	7,114	302	42.4	233	32.8	535	75.1
	MONTBELIARDE	3,820	6,783	276	40.7	225	33.2	501	73.9
	NORMANDE	3,212	6,007	258	42.9	208	34.6	465	77.5
	PRIM'HOLSTEIN	50,995	8,394	346	41.2	270	32.2	616	73.4
Manche	JERSIAISE	1,130	4,109	238	57.9	160	38.9	398	96.8
	PIE ROUGE	292	7,357	315	42.8	241	32.7	556	75.5
	BRUNE	337	6,405	268	41.9	219	34.3	488	76.2
	SIMMENTAL	153	5,964	255	42.8	207	34.8	462	77.5
	CROSSBRED	9,490	6,843	276	40.4	224	32.7	500	73.1
	MONTBELIARDE	1,356	6,873	277	40.2	230	33.4	506	73.6
	NORMANDE	38,435	6,057	255	42.1	209	34.5	464	76.6
	PRIM'HOLSTEIN	74,340	8,237	327	39.7	264	32.0	590	71.7
Marne	CROSSBRED	135	8,040	310	38.6	261	32.5	572	71.1
	MONTBELIARDE	46	7,528	297	39.4	250	33.2	546	72.6
	PRIM'HOLSTEIN	3,590	8,602	326	37.9	272	31.6	598	69.6
Haute Marne	JERSIAISE	203	5,446	293	53.8	207	38.1	501	91.9
	BRUNE	617	6,567	270	41.2	224	34.0	494	75.2
	SIMMENTAL	2,280	6,636	265	39.9	227	34.2	492	74.1
	CROSSBRED	1,080	7,443	295	39.6	245	32.9	540	72.5
	MONTBELIARDE	5,998	7,354	288	39.2	247	33.7	535	72.8
	PRIM'HOLSTEIN	13,961	8,568	330	38.6	274	32.0	604	70.5
Mayenne	JERSIAISE	740	4,826	277	57.3	186	38.5	462	95.8
	BRUNE	404	6,713	285	42.5	229	34.2	515	76.7
	SIMMENTAL	374	6,306	265	42.0	207	32.8	472	74.8
	CROSSBRED	5,576	6,972	288	41.3	229	32.8	517	74.1
	MONTBELIARDE	5,624	6,945	281	40.5	232	33.4	513	73.8
	NORMANDE	23,026	6,185	261	42.2	214	34.7	476	76.9
	PRIM'HOLSTEIN	82,175	8,121	332	40.9	261	32.2	593	73.1

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	64	5,329	274	51.5	194	36.4	468	87.8
	BRUNE	191	6,789	290	42.7	233	34.3	523	77.0
	SIMMENTAL	45	5,956	235	39.4	195	32.8	430	72.2
	CROSSBRED	1,458	7,131	285	39.9	230	32.2	514	72.1
	MONTBELIARDE	1,135	6,533	264	40.4	214	32.7	477	73.1
	PRIM'HOLSTEIN	19,797	8,126	320	39.4	255	31.4	575	70.7
Meuse	BRUNE	213	7,253	302	41.7	245	33.7	547	75.4
	SIMMENTAL	293	7,665	313	40.9	258	33.7	572	74.6
	CROSSBRED	1,064	7,586	305	40.2	247	32.5	552	72.8
	MONTBELIARDE	734	7,246	283	39.1	237	32.8	521	71.8
	NORMANDE	53	5,834	234	40.2	196	33.5	430	73.7
	PRIM'HOLSTEIN	22,843	8,633	337	39.0	274	31.7	611	70.7
Morbihan	JERSIAISE	90	4,772	261	54.7	181	38.0	442	92.7
	PIE ROUGE	2,587	7,480	320	42.8	250	33.5	571	76.3
	BRUNE	40	6,319	267	42.2	216	34.1	482	76.3
	SIMMENTAL	243	6,793	281	41.3	232	34.1	513	75.5
	CROSSBRED	2,023	7,148	294	41.1	233	32.6	526	73.6
	MONTBELIARDE	2,707	7,081	285	40.2	233	32.9	517	73.1
	NORMANDE	3,975	5,992	252	42.0	204	34.0	455	76.0
	PRIM'HOLSTEIN	79,430	8,241	333	40.4	262	31.8	595	72.2
Moselle	BRUNE	130	6,927	285	41.2	236	34.1	522	75.3
	SIMMENTAL	123	6,043	248	41.0	202	33.4	450	74.5
	CROSSBRED	3,028	7,132	284	39.8	231	32.4	515	72.2
	MONTBELIARDE	1,515	6,398	253	39.5	210	32.8	463	72.3
	PRIM'HOLSTEIN	24,678	8,211	324	39.5	262	31.9	587	71.5
Nièvre	CROSSBRED	55	5,742	233	40.5	189	32.9	421	73.4
	MONTBELIARDE	81	6,970	270	38.8	226	32.4	496	71.1
	PRIM'HOLSTEIN	742	8,366	323	38.6	263	31.4	586	70.0
Nord	JERSIAISE	71	4,619	244	52.8	171	37.0	414	89.7
	BRUNE	151	7,373	313	42.5	254	34.4	567	76.9
	CROSSBRED	4,521	7,324	291	39.7	234	31.9	524	71.6
	MONTBELIARDE	1,571	6,915	273	39.5	227	32.9	501	72.4
	BLEUE DU NORD	504	4,600	172	37.3	145	31.6	317	68.9
	NORMANDE	93	5,774	233	40.3	191	33.1	424	73.4
	ROUGE FLAMANDE	503	5,184	205	39.6	169	32.7	375	72.3
	PRIM'HOLSTEIN	39,934	8,485	335	39.5	267	31.5	602	70.9
Oise	CROSSBRED	759	7,288	294	40.3	236	32.4	530	72.7
	MONTBELIARDE	219	6,834	274	40.1	222	32.5	496	72.6
	NORMANDE	320	6,843	283	41.3	238	34.8	521	76.2
	PRIM'HOLSTEIN	8,592	8,267	328	39.7	262	31.7	590	71.4

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	240	5,260	295	56.1	201	38.1	496	94.2
	BRUNE	185	6,190	261	42.2	211	34.2	473	76.4
	CROSSBRED	3,886	6,625	272	41.0	217	32.7	488	73.7
	MONTBELIARDE	814	6,824	275	40.3	227	33.3	502	73.6
	NORMANDE	24,740	6,083	257	42.2	211	34.6	468	76.9
	PRIM'HOLSTEIN	40,112	8,340	336	40.3	267	32.0	604	72.4
Pas de Calais	JERSIAISE	42	5,224	277	53.0	195	37.3	472	90.3
	BRUNE	246	7,394	303	41.0	255	34.5	558	75.4
	CROSSBRED	2,601	7,882	308	39.1	252	32.0	560	71.1
	MONTBELIARDE	736	7,468	292	39.1	243	32.6	535	71.7
	NORMANDE	184	6,414	263	41.0	214	33.4	477	74.4
	ROUGE FLAMANDE	226	4,960	194	39.0	157	31.7	351	70.7
	PRIM'HOLSTEIN	36,731	8,642	332	38.4	272	31.5	604	69.9
Puy de Dôme	ABONDANCE	631	5,141	191	37.2	173	33.7	364	70.8
	JERSIAISE	259	4,605	231	50.1	169	36.7	400	86.8
	BRUNE	392	6,034	244	40.4	204	33.8	448	74.2
	SALERS	235	2,789	101	36.4	92	32.8	193	69.2
	SIMMENTAL	246	5,947	230	38.7	199	33.4	429	72.1
	CROSSBRED	2,873	5,930	228	38.5	190	32.0	418	70.5
	MONTBELIARDE	13,289	6,325	244	38.5	207	32.8	451	71.3
	NORMANDE	249	4,814	188	39.0	160	33.2	347	72.2
	FERRANDAISE	94	2,726	102	37.4	87	31.9	189	69.4
PRIM'HOLSTEIN	18,212	7,120	275	38.6	223	31.3	498	69.9	
Pyrénées Atlantiques	PIE ROUGE	46	7,391	308	41.7	237	32.0	545	73.7
	BRUNE	205	6,312	246	39.0	208	32.9	454	72.0
	CROSSBRED	399	7,030	274	38.9	226	32.1	500	71.1
	MONTBELIARDE	1,026	6,908	265	38.3	228	33.0	493	71.3
	NORMANDE	47	4,651	188	40.3	166	35.6	353	75.9
	PRIM'HOLSTEIN	9,982	8,552	326	38.1	268	31.4	594	69.5
Hautes Pyrénées	BRUNE	106	5,956	249	41.8	206	34.6	455	76.4
	CROSSBRED	105	6,753	255	37.7	209	31.0	464	68.7
	MONTBELIARDE	281	6,313	242	38.4	205	32.4	447	70.8
	PRIM'HOLSTEIN	2,422	8,578	327	38.1	272	31.7	598	69.8
Pyrénées Orientales	MONTBELIARDE	49	4,883	201	41.2	156	32.0	358	73.3
	PRIM'HOLSTEIN	123	6,716	256	38.2	215	32.0	471	70.2

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Bas Rhin	JERSIAISE	129	4,808	256	53.2	181	37.6	437	90.8
	BRUNE	59	6,762	275	40.7	225	33.3	500	74.0
	SIMMENTAL	1,012	6,763	280	41.4	228	33.8	508	75.1
	CROSSBRED	1,198	7,616	306	40.1	249	32.7	554	72.8
	MONTBELIARDE	1,026	7,489	299	40.0	251	33.6	551	73.6
	VOSGIENNE	116	3,628	131	36.2	112	30.8	243	67.0
	PRIM'HOLSTEIN	20,246	8,956	354	39.5	287	32.0	640	71.5
Haut Rhin	JERSIAISE	51	4,600	239	51.9	172	37.5	411	89.3
	BRUNE	95	6,068	250	41.2	202	33.3	452	74.4
	SIMMENTAL	57	5,643	227	40.2	187	33.1	414	73.4
	CROSSBRED	999	6,829	271	39.6	220	32.3	491	71.9
	MONTBELIARDE	3,824	7,202	286	39.7	239	33.1	525	72.9
	VOSGIENNE	598	4,094	153	37.3	129	31.6	282	68.9
	PRIM'HOLSTEIN	6,717	8,248	324	39.3	261	31.7	585	71.0
Rhône	BRUNE	103	6,328	264	41.8	216	34.1	480	75.9
	SIMMENTAL	114	5,755	223	38.7	188	32.7	411	71.4
	CROSSBRED	1,172	6,880	273	39.7	223	32.4	496	72.1
	MONTBELIARDE	11,488	6,977	276	39.6	231	33.1	507	72.7
	PRIM'HOLSTEIN	7,180	8,136	322	39.5	258	31.7	580	71.2
Haute Saône	BRUNE	134	6,741	275	40.8	227	33.7	502	74.5
	SIMMENTAL	77	5,199	212	40.8	173	33.2	385	74.0
	CROSSBRED	1,168	6,664	258	38.8	217	32.6	476	71.4
	MONTBELIARDE	25,740	7,149	277	38.7	239	33.4	516	72.1
	VOSGIENNE	71	3,962	146	36.9	127	32.1	273	69.0
	PRIM'HOLSTEIN	4,862	7,980	309	38.8	256	32.0	565	70.8
Saône & Loire	JERSIAISE	61	4,793	278	57.9	192	40.0	469	97.9
	SIMMENTAL	153	6,500	261	40.2	218	33.6	479	73.8
	CROSSBRED	637	7,233	286	39.5	234	32.3	519	71.8
	MONTBELIARDE	11,890	7,371	293	39.8	247	33.6	541	73.4
	PRIM'HOLSTEIN	2,943	8,340	329	39.4	265	31.7	593	71.1
Sarthe	JERSIAISE	217	4,979	274	55.0	192	38.6	466	93.6
	BRUNE	96	6,581	282	42.8	228	34.7	510	77.5
	SIMMENTAL	85	7,454	322	43.2	256	34.3	578	77.5
	CROSSBRED	1,918	6,619	272	41.1	219	33.1	491	74.2
	MONTBELIARDE	2,237	7,221	295	40.8	243	33.6	538	74.4
	NORMANDE	6,351	6,157	266	43.2	216	35.1	482	78.3
	PRIM'HOLSTEIN	33,859	8,384	340	40.5	272	32.4	611	72.9

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Savoie	ABONDANCE	7,671	4,681	167	35.7	152	32.4	319	68.1
	TARENTEISE	7,544	4,165	153	36.7	135	32.4	288	69.1
	CROSSBRED	600	4,506	166	36.8	145	32.2	311	69.1
	MONTBELIARDE	6,827	6,947	261	37.6	230	33.1	491	70.7
	PRIM'HOLSTEIN	248	7,660	287	37.5	243	31.7	530	69.2
Haute Savoie	ABONDANCE	11,504	5,748	206	35.9	190	33.1	396	68.9
	BRUNE	83	5,392	214	39.8	181	33.6	395	73.3
	TARENTEISE	451	4,507	162	36.0	149	33.0	311	69.0
	SIMMENTAL	115	6,886	266	38.6	241	35.0	507	73.7
	CROSSBRED	524	6,545	243	37.1	212	32.4	455	69.5
	MONTBELIARDE	21,822	7,069	263	37.3	233	33.0	496	70.2
	PRIM'HOLSTEIN	1,618	8,770	326	37.2	276	31.5	602	68.7
Seine Maritime	JERSIAISE	167	2,732	142	52.1	103	37.7	245	89.8
	PIE ROUGE	881	7,097	300	42.2	237	33.4	537	75.6
	BRUNE	55	6,872	293	42.7	240	34.9	533	77.6
	CROSSBRED	5,313	6,834	275	40.3	222	32.5	497	72.7
	MONTBELIARDE	1,079	7,190	287	39.9	238	33.1	525	73.0
	NORMANDE	12,457	6,112	254	41.6	210	34.4	465	76.0
	PRIM'HOLSTEIN	27,799	8,297	326	39.3	263	31.7	589	71.0
Seine & Marne	CROSSBRED	101	7,774	317	40.8	251	32.3	568	73.0
	PRIM'HOLSTEIN	2,537	8,612	341	39.6	271	31.4	611	71.0
Yvelines	JERSIAISE	69	3,768	211	56.1	148	39.3	360	95.4
	CROSSBRED	49	7,109	283	39.8	232	32.6	515	72.4
	PRIM'HOLSTEIN	1,102	9,160	352	38.5	285	31.1	637	69.6
Deux Sèvres	JERSIAISE	379	4,932	278	56.3	193	39.1	471	95.4
	CROSSBRED	461	8,180	319	39.1	264	32.3	584	71.4
	MONTBELIARDE	1,053	7,274	282	38.7	241	33.1	523	71.8
	NORMANDE	560	5,812	236	40.7	198	34.1	435	74.8
	PRIM'HOLSTEIN	19,255	8,715	345	39.6	280	32.1	625	71.8
Somme	JERSIAISE	46	5,193	279	53.8	199	38.3	478	92.1
	PIE ROUGE	44	5,510	242	43.8	179	32.5	421	76.3
	BRUNE	48	6,774	279	41.2	232	34.3	511	75.5
	CROSSBRED	1,869	7,656	303	39.5	246	32.2	549	71.7
	MONTBELIARDE	623	7,419	290	39.1	245	33.0	535	72.1
	NORMANDE	414	6,771	280	41.4	231	34.1	511	75.5
	PRIM'HOLSTEIN	20,549	8,657	335	38.7	273	31.6	609	70.3

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Tarn	ABONDANCE	70	4,455	164	36.9	143	32.2	308	69.1
	BRUNE	288	5,593	235	42.0	186	33.2	420	75.2
	SIMMENTAL	40	4,847	190	39.2	160	32.9	349	72.1
	CROSSBRED	527	6,511	265	40.6	207	31.8	472	72.4
	MONTBELIARDE	462	6,167	243	39.5	199	32.3	442	71.7
	PRIM·HOLSTEIN	8,177	7,800	306	39.2	243	31.2	549	70.4
Tarn & Garonne	BRUNE	86	4,591	195	42.5	154	33.6	349	76.1
	CROSSBRED	298	6,161	262	42.5	197	32.0	459	74.5
	MONTBELIARDE	209	6,294	267	42.3	202	32.1	468	74.4
	PRIM·HOLSTEIN	2,766	7,262	289	39.8	227	31.2	516	71.0
Vendée	JERSIAISE	415	4,427	243	55.0	162	36.6	405	91.6
	BRUNE	191	6,783	297	43.8	235	34.6	532	78.4
	SIMMENTAL	90	5,842	236	40.5	198	33.9	435	74.4
	CROSSBRED	1,405	7,040	291	41.4	229	32.5	520	73.8
	MONTBELIARDE	2,316	7,337	295	40.2	245	33.4	540	73.6
	NORMANDE	1,650	6,039	253	41.9	210	34.8	464	76.8
	PRIM·HOLSTEIN	47,525	8,488	345	40.7	270	31.8	615	72.5
Vienne	CROSSBRED	314	7,857	325	41.4	254	32.4	580	73.8
	MONTBELIARDE	399	6,706	266	39.7	225	33.5	490	73.1
	NORMANDE	185	5,984	255	42.7	204	34.1	459	76.8
	PRIM·HOLSTEIN	5,524	8,217	330	40.2	264	32.1	594	72.3
Haute Vienne	CROSSBRED	350	5,916	242	40.8	192	32.4	433	73.2
	MONTBELIARDE	311	5,258	212	40.4	170	32.3	382	72.7
	NORMANDE	507	4,968	215	43.2	170	34.1	384	77.4
	PRIM·HOLSTEIN	3,322	7,878	311	39.5	250	31.8	561	71.3
Vosges	JERSIAISE	52	3,842	202	52.7	141	36.8	344	89.4
	AYRSHIRE	122	6,615	319	48.3	202	30.6	522	78.9
	BRUNE	183	5,999	244	40.6	199	33.1	442	73.7
	SIMMENTAL	567	6,482	263	40.5	217	33.5	480	74.0
	CROSSBRED	2,475	6,867	274	39.9	221	32.2	495	72.1
	MONTBELIARDE	9,157	6,807	269	39.5	224	33.0	493	72.4
	NORMANDE	79	5,735	233	40.6	191	33.3	424	73.9
	VOSGIENNE	489	3,603	132	36.7	112	31.1	244	67.8
PRIM·HOLSTEIN	27,331	7,865	310	39.4	250	31.8	560	71.2	
Yonne	BRUNE	120	6,067	255	42.1	200	32.9	455	75.0
	CROSSBRED	576	7,417	299	40.3	241	32.6	541	72.9
	MONTBELIARDE	708	7,022	279	39.7	231	33.0	511	72.7
	NORMANDE	71	6,351	271	42.7	220	34.6	491	77.4
	PRIM·HOLSTEIN	6,816	8,472	336	39.6	267	31.5	603	71.2

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Territoire de Belfort	CROSSBRED	164	6,698	267	39.9	215	32.1	483	72.1
	MONTBELIARDE	2,182	7,455	293	39.2	249	33.4	541	72.6
	PRIM'HOLSTEIN	1,447	8,167	320	39.1	260	31.8	579	71.0
Val d'Oise	PRIM'HOLSTEIN	172	7,897	299	37.9	249	31.5	548	69.4
Réunion	BRUNE	152	6,361	255	40.1	221	34.8	476	74.9
	CROSSBRED	382	6,352	238	37.5	205	32.3	443	69.8
	MONTBELIARDE	108	6,221	238	38.2	202	32.5	440	70.7
	PRIM'HOLSTEIN	1,898	6,817	250	36.7	213	31.2	463	68.0

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area <sup>1</sup>	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	9,864	6,906	272	39.4	228	33.0	500	72.4
Aisne	6,872	7,328	287	39.2	235	32.0	522	71.2
Allier	1,454	6,933	272	39.2	224	32.3	495	71.4
Alpes Hte Provence	186	4,961	189	38.0	163	32.8	351	70.8
Hautes Alpes	768	4,871	184	37.8	156	32.1	340	69.9
Ardèche	1,506	5,891	230	39.1	192	32.6	422	71.7
Ardennes	4,651	7,076	275	38.9	226	32.0	501	70.9
Ariège	880	6,940	269	38.7	224	32.2	492	70.9
Aube	2,332	7,384	287	38.9	235	31.9	522	70.8
Aude	109	6,198	238	38.4	195	31.4	433	69.9
Aveyron	10,477	6,553	257	39.3	211	32.1	468	71.4
Calvados	17,936	6,586	262	39.8	214	32.6	477	72.4
Cantal	12,893	5,871	227	38.7	189	32.2	416	70.9
Charente	1,856	6,411	259	40.3	207	32.3	466	72.7
Charente Maritime	2,921	7,077	278	39.2	227	32.1	505	71.3
Cher	1,064	6,822	274	40.1	219	32.2	493	72.3
Corrèze	1,278	5,928	230	38.8	188	31.7	417	70.4
Côte d'Or	3,920	6,292	247	39.3	208	33.1	455	72.4
Côtes d'Armor	36,663	6,925	276	39.9	220	31.7	496	71.6
Creuse	1,010	6,227	241	38.8	198	31.7	439	70.5
Dordogne	2,958	7,096	279	39.3	229	32.3	508	71.6
Doubs	25,490	5,949	224	37.6	196	32.9	419	70.5
Drôme	874	6,818	267	39.2	223	32.6	490	71.9
Eure	5,472	6,896	277	40.2	225	32.7	503	72.9
Eure & Loir	1,920	7,084	287	40.5	233	32.9	520	73.4
Finistère	29,858	6,607	261	39.6	208	31.4	469	71.0
Haute Garonne	2,032	7,038	269	38.3	224	31.9	494	70.1
Gers	366	6,758	256	37.9	213	31.6	470	69.5
Gironde	945	7,099	269	38.0	227	32.0	496	69.9
Ille & Vilaine	60,467	6,823	275	40.3	219	32.1	494	72.4
Indre	1,324	7,476	297	39.7	242	32.3	538	72.0
Indre & Loire	4,039	7,557	302	40.0	244	32.3	547	72.3
Isère	5,933	6,716	264	39.3	220	32.8	484	72.1
Jura	13,982	5,952	221	37.2	195	32.8	417	70.0
Landes	1,233	7,171	282	39.3	226	31.4	507	70.7
Loir & Cher	2,793	7,431	297	40.0	240	32.3	537	72.3
Loire	10,589	6,795	268	39.4	221	32.5	489	72.0
Haute Loire	10,843	6,361	253	39.7	209	32.9	462	72.6
Loire Atlantique	30,690	6,829	276	40.5	220	32.2	496	72.7
Loiret	1,870	7,426	294	39.6	239	32.2	533	71.8
Lot	2,597	7,001	276	39.4	224	32.0	500	71.5
Lot & Garonne	1,812	7,027	272	38.6	223	31.7	494	70.3
Lozère	1,916	5,427	207	38.1	176	32.5	383	70.6
Maine & Loire	22,614	7,060	290	41.1	230	32.6	520	73.7
Manche	43,985	6,670	268	40.2	219	32.9	487	73.0
Marne	1,356	7,495	283	37.8	240	32.1	524	69.9
Haute Marne	8,453	7,139	277	38.8	235	33.0	512	71.8

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





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

Local area <sup>1</sup>	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	43,364	6,759	274	40.6	221	32.6	495	73.2
Meurthe & Moselle	7,577	7,129	280	39.2	227	31.8	506	71.0
Meuse	8,860	7,640	297	38.8	246	32.2	542	71.0
Morbihan	30,398	6,986	279	40.0	224	32.0	503	72.0
Moselle	10,222	7,180	282	39.3	232	32.4	515	71.7
Nièvre	339	7,176	277	38.6	228	31.7	504	70.3
Nord	18,122	7,434	291	39.2	235	31.7	526	70.8
Oise	3,647	7,342	290	39.4	235	32.0	525	71.4
Orne	24,801	6,676	271	40.6	220	33.0	491	73.6
Pas de Calais	15,454	7,696	294	38.2	244	31.6	537	69.8
Puy de Dôme	10,707	6,063	233	38.4	194	32.0	427	70.4
Pyrénées Atlantiques	3,748	7,551	287	38.1	240	31.8	528	69.9
Hautes Pyrénées	909	7,446	284	38.2	240	32.2	524	70.4
Pyrénées Orientales	64	5,629	212	37.7	179	31.7	391	69.4
Bas Rhin	8,772	7,829	308	39.4	255	32.6	563	72.0
Haut Rhin	4,023	6,844	269	39.2	222	32.4	490	71.6
Rhône	5,597	6,669	263	39.4	218	32.6	480	72.0
Haute Saône	9,904	6,394	247	38.6	213	33.3	460	71.9
Saône & Loire	5,026	6,812	270	39.6	227	33.3	497	72.9
Sarthe	16,663	7,095	287	40.5	234	33.0	521	73.5
Savoie	6,198	4,674	174	37.2	154	32.9	328	70.2
Haute Savoie	10,405	5,892	219	37.1	196	33.2	415	70.4
Seine Maritime	17,602	6,809	270	39.7	222	32.6	492	72.3
Seine & Marne	968	7,616	299	39.3	242	31.8	541	71.0
Yvelines	480	7,583	301	39.7	245	32.3	546	72.0
Deux Sèvres	7,704	7,587	300	39.5	246	32.5	546	72.0
Somme	8,966	7,699	296	38.5	245	31.9	542	70.4
Tarn	3,017	6,792	264	38.9	214	31.5	478	70.4
Tarn & Garonne	1,095	6,451	256	39.6	203	31.5	459	71.1
Vendée	20,066	7,407	299	40.4	238	32.2	538	72.6
Vienne	2,259	7,270	290	39.9	236	32.4	526	72.3
Haute Vienne	1,455	6,672	264	39.5	215	32.2	479	71.7
Vosges	13,511	6,773	265	39.2	219	32.3	484	71.5
Yonne	2,897	7,433	293	39.5	237	31.9	530	71.4
Territoire de Belfort	1,262	7,093	276	38.9	233	32.8	509	71.7
Val d'Oise	59	6,729	263	39.2	215	32.0	479	71.1
Réunion	782	6,217	228	36.6	198	31.9	426	68.5

<sup>1</sup>Only 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 <sup>1</sup>	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	66	6,380	256	40.1	220	34.4	475	74.5
	SIMMENTAL	184	5,249	208	39.6	176	33.5	384	73.1
	CROSSBRED	635	6,834	270	39.5	224	32.7	494	72.3
	MONTBELIARDE	6,480	6,606	260	39.4	221	33.4	481	72.8
	PRIM'HOLSTEIN	2,451	7,907	310	39.3	254	32.2	565	71.4
Aisne	CROSSBRED	581	6,712	269	40.1	216	32.2	485	72.2
	MONTBELIARDE	163	6,718	267	39.7	223	33.2	490	72.9
	NORMANDE	144	4,801	195	40.5	160	33.3	355	73.9
	PRIM'HOLSTEIN	5,935	7,476	292	39.0	239	31.9	531	71.0
Allier	CROSSBRED	69	6,180	241	38.9	198	32.1	439	71.0
	MONTBELIARDE	133	5,488	219	39.9	185	33.8	404	73.7
	NORMANDE	68	5,774	240	41.5	195	33.8	435	75.3
	PRIM'HOLSTEIN	1,148	7,294	284	38.9	234	32.0	518	71.0
Alpes Hte Provence	MONTBELIARDE	131	5,222	195	37.4	171	32.7	366	70.0
Hautes Alpes	ABONDANCE	112	3,772	138	36.6	122	32.5	260	69.0
	TARENDAISE	78	3,668	136	37.2	120	32.7	256	69.9
	CROSSBRED	66	4,605	170	37.0	148	32.2	318	69.1
	MONTBELIARDE	352	5,157	198	38.3	168	32.6	366	70.9
	PRIM'HOLSTEIN	150	5,791	217	37.4	178	30.7	395	68.1
Ardèche	ABONDANCE	121	5,069	191	37.7	169	33.2	359	70.9
	CROSSBRED	104	5,344	213	39.9	173	32.3	386	72.2
	MONTBELIARDE	964	5,742	227	39.5	189	32.9	416	72.4
	PRIM'HOLSTEIN	301	6,959	266	38.2	220	31.6	486	69.8
Ardennes	JERSIAISE	47	4,336	222	51.3	160	37.0	383	88.3
	CROSSBRED	545	6,164	243	39.4	198	32.1	441	71.5
	MONTBELIARDE	135	5,519	220	39.9	180	32.6	401	72.6
	PRIM'HOLSTEIN	3,881	7,311	283	38.7	233	31.9	516	70.6
Ariège	BRUNE	121	6,212	260	41.8	215	34.7	475	76.5
	MONTBELIARDE	56	5,265	203	38.6	169	32.2	372	70.7
	PRIM'HOLSTEIN	654	7,414	283	38.1	236	31.8	518	69.9
Aube	BRUNE	95	6,365	260	40.8	218	34.2	478	75.0
	CROSSBRED	124	7,131	277	38.8	228	32.0	505	70.8
	MONTBELIARDE	113	6,033	237	39.3	205	34.0	442	73.2
	PRIM'HOLSTEIN	1,949	7,590	294	38.7	240	31.6	534	70.3
Aude	PRIM'HOLSTEIN	75	6,817	259	38.0	214	31.4	473	69.4

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	43	1,532	64	41.6	53	34.8	117	76.4
	BRUNE	645	5,866	244	41.6	200	34.0	444	75.7
	SIMMENTAL	758	5,013	198	39.5	169	33.7	367	73.2
	CROSSBRED	359	6,031	237	39.3	193	31.9	430	71.3
	MONTBELIARDE	912	5,662	222	39.2	186	32.9	408	72.1
	PRIM'HOLSTEIN	7,665	6,949	272	39.1	221	31.8	492	70.9
Calvados	JERSIAISE	115	4,408	256	58.1	174	39.6	430	97.6
	BRUNE	40	5,465	229	41.9	186	34.0	415	75.9
	CROSSBRED	1,633	5,632	225	40.0	182	32.3	408	72.4
	MONTBELIARDE	263	5,792	236	40.7	193	33.4	429	74.1
	NORMANDE	3,510	5,300	219	41.3	182	34.3	400	75.6
	PRIM'HOLSTEIN	12,352	7,119	281	39.4	229	32.2	510	71.6
Cantal	ABONDANCE	116	3,929	146	37.2	130	33.0	276	70.1
	JERSIAISE	72	3,844	196	51.0	137	35.7	333	86.7
	BRUNE	314	5,606	228	40.7	190	33.9	418	74.6
	SALERS	169	1,810	63	34.6	60	33.0	122	67.6
	SIMMENTAL	256	4,409	172	39.0	147	33.3	319	72.3
	CROSSBRED	871	5,233	202	38.7	167	31.9	369	70.6
	MONTBELIARDE	4,603	5,578	214	38.4	184	32.9	398	71.3
	NORMANDE	61	4,540	181	39.9	153	33.8	334	73.7
	PRIM'HOLSTEIN	6,377	6,439	249	38.7	204	31.6	453	70.4
Charente	JERSIAISE	68	4,750	257	54.1	181	38.2	438	92.3
	CROSSBRED	112	5,439	231	42.5	179	32.9	410	75.4
	MONTBELIARDE	144	5,700	229	40.2	189	33.2	418	73.4
	NORMANDE	181	5,150	218	42.4	177	34.4	395	76.8
	PRIM'HOLSTEIN	1,344	6,832	270	39.5	217	31.8	487	71.3
Charente Maritime	CROSSBRED	163	5,991	238	39.7	193	32.2	431	71.9
	MONTBELIARDE	112	5,877	232	39.5	194	33.1	427	72.6
	NORMANDE	111	5,360	222	41.4	183	34.1	404	75.5
	PRIM'HOLSTEIN	2,487	7,319	286	39.1	234	32.0	520	71.0
Cher	CROSSBRED	136	6,433	261	40.5	211	32.9	472	73.4
	PRIM'HOLSTEIN	868	7,013	279	39.8	224	31.9	503	71.7
Corrèze	CROSSBRED	55	4,930	198	40.1	160	32.4	357	72.4
	MONTBELIARDE	163	5,060	193	38.1	163	32.3	356	70.4
	PRIM'HOLSTEIN	1,034	6,153	238	38.7	194	31.5	432	70.2
Côte d'Or	BRUNE	949	6,411	261	40.7	221	34.5	482	75.2
	SIMMENTAL	435	5,886	238	40.5	201	34.1	439	74.6
	CROSSBRED	137	5,919	228	38.5	191	32.2	419	70.7
	MONTBELIARDE	1,200	5,912	230	38.9	196	33.2	426	72.0
	PRIM'HOLSTEIN	1,181	6,822	261	38.2	217	31.8	477	70.0

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	JERSIAISE	40	4,192	232	55.5	161	38.4	393	93.8
	PIE ROUGE	422	6,008	253	42.2	197	32.8	451	75.0
	BRUNE	118	5,583	237	42.5	186	33.4	424	75.9
	CROSSBRED	1,030	6,320	256	40.5	200	31.6	456	72.2
	MONTBELIARDE	740	6,132	246	40.1	199	32.4	445	72.5
	NORMANDE	2,398	5,511	232	42.0	187	33.9	418	75.9
	PRIM·HOLSTEIN	31,890	7,092	281	39.7	224	31.6	505	71.2
Creuse	CROSSBRED	68	5,106	198	38.7	161	31.4	358	70.1
	MONTBELIARDE	88	5,226	208	39.8	174	33.4	382	73.2
	NORMANDE	43	3,834	159	41.5	126	33.0	285	74.4
	PRIM·HOLSTEIN	811	6,556	253	38.6	207	31.6	460	70.1
Dordogne	CROSSBRED	180	6,389	258	40.3	210	32.8	467	73.1
	MONTBELIARDE	221	6,370	255	40.0	212	33.3	467	73.3
	NORMANDE	52	4,604	181	39.4	153	33.2	334	72.6
	PRIM·HOLSTEIN	2,475	7,291	286	39.2	235	32.2	520	71.4
Doubs	SIMMENTAL	52	5,557	217	39.0	185	33.3	402	72.3
	CROSSBRED	374	6,166	238	38.6	199	32.2	437	70.8
	MONTBELIARDE	24,506	5,920	223	37.6	195	32.9	417	70.5
	PRIM·HOLSTEIN	527	7,248	276	38.1	233	32.1	509	70.2
Drôme	MONTBELIARDE	496	6,165	243	39.3	203	32.9	445	72.2
	PRIM·HOLSTEIN	333	8,034	315	39.2	260	32.4	575	71.6
Eure	CROSSBRED	500	6,375	255	40.0	209	32.8	464	72.8
	MONTBELIARDE	49	5,581	226	40.5	188	33.7	414	74.2
	NORMANDE	1,084	5,703	239	41.9	197	34.5	436	76.4
	PRIM·HOLSTEIN	3,801	7,341	292	39.8	237	32.3	529	72.0
Eure & Loir	JERSIAISE	43	5,044	269	53.4	194	38.4	463	91.8
	NORMANDE	427	5,669	238	42.0	197	34.8	435	76.8
	PRIM·HOLSTEIN	1,356	7,660	305	39.8	248	32.3	552	72.1
Finistère	JERSIAISE	147	3,581	199	55.7	134	37.4	333	93.1
	PIE ROUGE	494	6,150	258	42.0	201	32.7	459	74.7
	BRUNE	117	5,729	237	41.4	192	33.5	429	74.9
	CROSSBRED	1,282	5,836	236	40.4	185	31.8	421	72.1
	MONTBELIARDE	276	5,874	236	40.1	190	32.4	426	72.5
	NORMANDE	887	5,072	211	41.6	170	33.5	381	75.1
	PRIM·HOLSTEIN	26,639	6,733	265	39.4	211	31.3	476	70.7
Haute Garonne	CROSSBRED	55	6,684	260	39.0	212	31.7	472	70.7
	MONTBELIARDE	231	5,941	226	38.1	197	33.2	423	71.2
	PRIM·HOLSTEIN	1,669	7,308	279	38.2	231	31.6	510	69.8

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	307	7,044	267	37.9	221	31.4	489	69.4
Gironde	CROSSBRED	61	5,490	217	39.4	180	32.7	396	72.2
	PRIM·HOLSTEIN	846	7,314	276	37.8	233	31.9	510	69.7
Ille & Vilaine	JERSIAISE	216	3,810	196	51.4	140	36.9	336	88.3
	PIE ROUGE	308	5,942	258	43.4	200	33.6	458	77.0
	BRUNE	96	6,234	262	42.0	212	34.0	474	76.0
	CROSSBRED	2,472	5,851	237	40.5	187	32.0	424	72.5
	MONTBELIARDE	1,731	5,978	241	40.3	197	33.0	438	73.3
	NORMANDE	4,766	5,421	228	42.0	184	34.0	412	76.0
	PRIM·HOLSTEIN	50,814	7,055	283	40.2	225	31.9	509	72.1
Indre	CROSSBRED	63	7,292	304	41.7	240	32.8	544	74.6
	PRIM·HOLSTEIN	1,227	7,527	298	39.6	243	32.3	541	71.8
Indre & Loire	CROSSBRED	162	6,427	262	40.8	206	32.1	468	72.9
	MONTBELIARDE	160	6,385	259	40.5	210	32.9	469	73.5
	NORMANDE	90	5,405	228	42.2	184	34.1	412	76.3
	PRIM·HOLSTEIN	3,612	7,725	308	39.9	250	32.3	558	72.2
Isère	ABONDANCE	129	4,963	180	36.3	163	32.9	343	69.2
	SIMMENTAL	129	5,700	243	42.7	192	33.7	436	76.4
	CROSSBRED	326	6,593	259	39.3	215	32.6	474	72.0
	MONTBELIARDE	3,489	6,549	259	39.5	217	33.2	476	72.7
	PRIM·HOLSTEIN	1,784	7,363	286	38.9	236	32.0	522	70.9
Jura	SIMMENTAL	308	5,732	227	39.7	194	33.8	421	73.5
	CROSSBRED	215	5,585	217	38.9	184	32.9	401	71.9
	MONTBELIARDE	13,167	5,934	220	37.1	195	32.8	415	69.9
	PRIM·HOLSTEIN	269	7,605	293	38.5	242	31.8	535	70.3
Landes	PRIM·HOLSTEIN	1,175	7,238	284	39.3	228	31.4	512	70.7
Loir & Cher	CROSSBRED	41	6,565	269	41.0	212	32.3	481	73.3
	NORMANDE	339	5,768	245	42.4	195	33.8	440	76.3
	PRIM·HOLSTEIN	2,354	7,700	306	39.7	247	32.1	553	71.8
Loire	ABONDANCE	40	4,612	179	38.9	156	33.7	335	72.6
	BRUNE	62	6,304	264	41.8	215	34.1	479	75.9
	SIMMENTAL	74	6,094	246	40.4	206	33.9	452	74.2
	CROSSBRED	546	6,126	243	39.7	198	32.3	441	72.0
	MONTBELIARDE	4,347	6,363	252	39.7	213	33.4	465	73.1
	PRIM·HOLSTEIN	5,467	7,256	284	39.2	231	31.9	516	71.1

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	178	4,523	172	38.0	152	33.6	324	71.5
	BRUNE	76	5,622	233	41.4	185	32.9	418	74.3
	TARENTEISE	46	4,621	192	41.5	164	35.5	356	77.0
	CROSSBRED	675	5,857	235	40.1	191	32.6	426	72.7
	MONTBELIARDE	6,783	6,188	246	39.7	206	33.3	452	73.1
	PRIM'HOLSTEIN	3,038	7,038	279	39.6	225	32.0	504	71.6
Loire Atlantique	JERSIAISE	87	3,514	188	53.4	128	36.5	316	89.9
	PIE ROUGE	102	6,313	286	45.3	222	35.2	508	80.5
	BRUNE	74	4,973	207	41.6	163	32.7	370	74.3
	SIMMENTAL	104	4,551	194	42.7	153	33.6	347	76.3
	CROSSBRED	869	5,629	229	40.8	181	32.1	410	72.9
	MONTBELIARDE	1,008	6,157	248	40.2	202	32.8	450	73.1
	NORMANDE	2,228	5,344	224	41.8	182	34.1	406	75.9
	PRIM'HOLSTEIN	26,198	7,052	285	40.3	226	32.0	510	72.4
Loiret	CROSSBRED	139	6,748	269	39.8	219	32.4	488	72.3
	MONTBELIARDE	75	6,004	249	41.4	201	33.5	450	74.9
	NORMANDE	40	5,141	217	42.3	180	35.1	398	77.3
	PRIM'HOLSTEIN	1,608	7,617	300	39.4	244	32.1	544	71.5
Lot	CROSSBRED	158	6,346	256	40.3	204	32.2	460	72.5
	MONTBELIARDE	237	6,337	249	39.3	209	33.0	458	72.3
	PRIM'HOLSTEIN	2,173	7,146	281	39.4	228	31.9	509	71.3
Lot & Garonne	CROSSBRED	193	6,471	257	39.7	209	32.3	466	72.0
	NORMANDE	57	4,768	200	41.9	163	34.2	362	76.0
	PRIM'HOLSTEIN	1,510	7,246	278	38.4	229	31.5	507	69.9
Lozère	ABONDANCE	83	3,696	137	37.1	123	33.2	260	70.4
	BRUNE	199	5,574	220	39.4	183	32.7	402	72.2
	SIMMENTAL	129	4,836	189	39.1	165	34.1	354	73.2
	MONTBELIARDE	1,138	5,374	204	37.9	176	32.8	380	70.7
	PRIM'HOLSTEIN	321	6,371	239	37.5	197	31.0	436	68.4
Maine & Loire	JERSIAISE	659	4,255	235	55.2	163	38.2	398	93.5
	BRUNE	189	6,297	272	43.2	216	34.4	489	77.6
	SIMMENTAL	48	5,149	223	43.4	176	34.2	399	77.5
	CROSSBRED	724	6,409	266	41.5	210	32.7	475	74.2
	MONTBELIARDE	1,144	5,938	239	40.2	197	33.1	436	73.4
	NORMANDE	1,178	5,418	230	42.5	186	34.4	416	76.8
	PRIM'HOLSTEIN	18,662	7,371	301	40.8	238	32.3	539	73.1

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	285	3,540	199	56.2	134	37.9	333	94.1
	PIE ROUGE	104	6,458	279	43.2	213	33.0	492	76.3
	BRUNE	135	5,796	242	41.7	199	34.3	441	76.1
	SIMMENTAL	54	5,372	231	43.0	188	35.0	419	78.0
	CROSSBRED	3,266	6,132	246	40.2	201	32.7	447	72.9
	MONTBELIARDE	421	6,250	250	40.0	211	33.7	460	73.7
	NORMANDE	13,274	5,559	233	42.0	191	34.4	425	76.4
	PRIM'HOLSTEIN	26,444	7,343	289	39.4	237	32.2	526	71.6
Marne	CROSSBRED	41	6,465	252	39.1	212	32.7	464	71.8
	PRIM'HOLSTEIN	1,279	7,579	286	37.7	243	32.0	528	69.7
Haute Marne	JERSIAISE	45	4,379	225	51.3	162	36.9	386	88.2
	BRUNE	226	5,769	235	40.7	197	34.1	432	74.8
	SIMMENTAL	723	5,862	237	40.4	203	34.7	440	75.1
	CROSSBRED	373	6,673	265	39.7	222	33.3	487	73.0
	MONTBELIARDE	1,950	6,554	257	39.2	223	34.0	480	73.2
	PRIM'HOLSTEIN	5,107	7,677	294	38.3	249	32.4	543	70.7
Mayenne	JERSIAISE	217	4,208	235	55.8	158	37.5	393	93.3
	BRUNE	156	6,118	253	41.4	207	33.9	461	75.3
	SIMMENTAL	99	5,805	242	41.7	191	32.9	433	74.6
	CROSSBRED	1,946	6,220	252	40.6	204	32.8	456	73.4
	MONTBELIARDE	1,864	6,114	245	40.1	204	33.4	450	73.5
	NORMANDE	8,405	5,607	235	41.9	193	34.4	428	76.3
	PRIM'HOLSTEIN	30,653	7,175	289	40.3	231	32.2	520	72.4
Meurthe & Moselle	BRUNE	75	5,976	254	42.6	206	34.4	460	77.0
	CROSSBRED	494	6,365	253	39.7	206	32.3	458	72.0
	MONTBELIARDE	318	5,808	236	40.6	191	32.9	426	73.4
	PRIM'HOLSTEIN	6,635	7,279	284	39.1	230	31.7	515	70.7
Meuse	BRUNE	74	6,160	254	41.3	209	34.0	464	75.3
	SIMMENTAL	80	6,677	276	41.4	226	33.9	503	75.3
	CROSSBRED	357	6,702	268	40.0	219	32.7	487	72.7
	MONTBELIARDE	213	6,603	258	39.1	216	32.7	474	71.8
	PRIM'HOLSTEIN	8,099	7,742	300	38.7	248	32.1	548	70.8
Morbihan	PIE ROUGE	774	6,291	268	42.5	212	33.7	480	76.3
	SIMMENTAL	52	6,175	257	41.5	214	34.6	470	76.2
	CROSSBRED	729	6,144	248	40.4	200	32.5	448	72.9
	MONTBELIARDE	732	6,233	250	40.1	205	32.8	455	73.0
	NORMANDE	1,265	5,291	221	41.7	179	33.7	399	75.4
	PRIM'HOLSTEIN	26,790	7,136	284	39.8	227	31.9	512	71.7

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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	6,490	263	40.5	221	34.0	483	74.5
	SIMMENTAL	42	5,547	224	40.5	184	33.2	409	73.7
	CROSSBRED	958	6,389	254	39.7	208	32.6	462	72.3
	MONTBELIARDE	449	5,709	226	39.6	189	33.0	415	72.7
	PRIM'HOLSTEIN	8,683	7,368	289	39.3	238	32.3	527	71.6
Nièvre	PRIM'HOLSTEIN	295	7,399	285	38.5	234	31.6	519	70.1
Nord	BRUNE	55	6,325	267	42.2	218	34.4	485	76.7
	CROSSBRED	1,595	6,622	260	39.3	211	31.8	471	71.1
	MONTBELIARDE	580	6,347	250	39.4	209	33.0	459	72.4
	BLEUE DU NORD	165	4,030	153	37.9	129	32.1	282	69.9
	NORMANDE	44	5,511	226	40.9	182	33.0	408	73.9
	ROUGE FLAMANDE	152	4,740	187	39.4	157	33.1	344	72.5
	PRIM'HOLSTEIN	15,446	7,650	299	39.1	242	31.6	541	70.7
Oise	CROSSBRED	303	6,778	272	40.1	220	32.5	492	72.6
	MONTBELIARDE	65	6,184	248	40.0	199	32.2	447	72.3
	NORMANDE	105	6,395	264	41.3	223	34.9	487	76.2
	PRIM'HOLSTEIN	3,150	7,472	294	39.3	238	31.9	532	71.2
Orne	JERSIAISE	68	4,611	254	55.0	173	37.5	427	92.6
	BRUNE	69	5,906	248	42.1	199	33.6	447	75.7
	CROSSBRED	1,359	5,956	241	40.4	195	32.8	436	73.2
	MONTBELIARDE	231	5,969	240	40.1	200	33.5	439	73.6
	NORMANDE	8,599	5,562	233	41.9	192	34.6	426	76.5
	PRIM'HOLSTEIN	14,434	7,436	297	40.0	240	32.3	537	72.3
Pas de Calais	BRUNE	92	6,620	271	41.0	230	34.7	501	75.7
	CROSSBRED	937	7,139	278	39.0	228	32.0	507	71.0
	MONTBELIARDE	222	6,661	263	39.5	219	32.9	482	72.4
	NORMANDE	76	5,964	250	41.9	201	33.6	450	75.5
	ROUGE FLAMANDE	76	4,325	169	39.0	139	32.2	308	71.2
	PRIM'HOLSTEIN	14,022	7,791	296	38.0	246	31.6	542	69.6
Puy de Dôme	ABONDANCE	153	4,427	165	37.4	150	34.0	316	71.4
	JERSIAISE	80	3,935	196	49.8	141	35.9	337	85.7
	BRUNE	122	5,264	211	40.0	178	33.8	388	73.8
	SALERS	48	2,377	88	37.1	80	33.8	169	71.0
	SIMMENTAL	70	5,333	209	39.1	180	33.7	388	72.8
	CROSSBRED	801	5,380	207	38.4	172	32.0	379	70.5
	MONTBELIARDE	3,524	5,740	220	38.4	188	32.8	409	71.2
	NORMANDE	74	4,597	181	39.4	152	33.1	333	72.5
	PRIM'HOLSTEIN	5,809	6,516	250	38.4	205	31.4	454	69.8

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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
Pyrénées Atlantiques	BRUNE	63	5,385	208	38.7	181	33.5	389	72.2
	CROSSBRED	145	6,154	240	39.0	199	32.4	439	71.4
	MONTBELIARDE	254	6,084	234	38.4	202	33.3	436	71.7
	PRIM'HOLSTEIN	3,249	7,804	296	38.0	247	31.7	544	69.6
Hautes Pyrénées	MONTBELIARDE	79	5,810	224	38.6	192	33.1	417	71.7
	PRIM'HOLSTEIN	748	7,780	296	38.0	250	32.1	546	70.2
Pyrénées Orientales	PRIM'HOLSTEIN	40	6,535	243	37.2	209	31.9	452	69.2
Bas Rhin	JERSIAISE	52	4,534	232	51.3	168	37.0	400	88.3
	SIMMENTAL	304	5,898	250	42.3	201	34.2	451	76.5
	CROSSBRED	450	6,712	270	40.2	220	32.8	490	73.0
	MONTBELIARDE	332	6,745	271	40.2	228	33.9	500	74.1
	PRIM'HOLSTEIN	7,568	8,072	316	39.2	262	32.4	578	71.6
Haut Rhin	CROSSBRED	339	6,253	252	40.3	205	32.9	457	73.1
	MONTBELIARDE	1,123	6,348	252	39.6	211	33.2	463	72.9
	VOSGIENNE	160	3,549	133	37.5	114	32.2	247	69.7
	PRIM'HOLSTEIN	2,309	7,486	292	39.0	239	32.0	531	70.9
Rhône	CROSSBRED	326	6,213	246	39.6	200	32.2	446	71.7
	MONTBELIARDE	2,887	6,270	247	39.4	209	33.3	456	72.7
	PRIM'HOLSTEIN	2,307	7,281	286	39.3	233	32.0	519	71.3
Haute Saône	CROSSBRED	390	5,812	224	38.6	190	32.7	415	71.3
	MONTBELIARDE	7,637	6,259	242	38.6	210	33.6	452	72.2
	PRIM'HOLSTEIN	1,771	7,191	276	38.4	232	32.3	508	70.7
Saône & Loire	SIMMENTAL	59	6,176	255	41.3	208	33.7	463	75.0
	CROSSBRED	206	6,510	257	39.5	212	32.6	470	72.1
	MONTBELIARDE	3,665	6,631	263	39.7	224	33.8	487	73.5
	PRIM'HOLSTEIN	1,073	7,578	297	39.2	242	32.0	539	71.1
Sarthe	JERSIAISE	78	3,860	211	54.7	148	38.4	359	93.1
	CROSSBRED	700	6,084	248	40.7	201	33.0	448	73.7
	MONTBELIARDE	711	6,500	266	40.9	219	33.7	485	74.6
	NORMANDE	2,341	5,635	243	43.1	198	35.1	440	78.2
	PRIM'HOLSTEIN	12,763	7,476	300	40.1	244	32.6	543	72.7
Savoie	ABONDANCE	1,840	4,129	149	36.0	134	32.6	283	68.6
	TARENTEISE	2,169	3,822	142	37.2	125	32.7	267	69.8
	CROSSBRED	139	4,114	154	37.4	134	32.7	288	70.1
	MONTBELIARDE	1,951	6,062	230	38.0	203	33.5	433	71.4
	PRIM'HOLSTEIN	88	7,162	272	37.9	231	32.2	503	70.2

<sup>1</sup>Only the breeds with more than 40 results are listed here.





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

Local area	Breed <sup>1</sup>	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	3,238	4,832	175	36.2	161	33.4	336	69.6
	TARENTEISE	133	3,955	148	37.5	132	33.3	280	70.8
	CROSSBRED	146	5,783	218	37.7	190	32.8	407	70.4
	MONTBELIARDE	6,223	6,311	236	37.5	210	33.3	447	70.8
	PRIM·HOLSTEIN	601	7,805	288	36.9	248	31.7	536	68.7
Seine Maritime	JERSIAISE	46	2,564	127	49.6	93	36.3	220	85.9
	PIE ROUGE	301	6,265	262	41.8	213	34.0	475	75.8
	CROSSBRED	1,982	6,305	252	39.9	205	32.5	457	72.4
	MONTBELIARDE	431	6,518	259	39.8	218	33.4	477	73.2
	NORMANDE	4,414	5,642	234	41.4	194	34.4	428	75.8
	PRIM·HOLSTEIN	10,403	7,448	291	39.0	238	31.9	528	70.9
Seine & Marne	PRIM·HOLSTEIN	910	7,694	301	39.1	244	31.7	545	70.8
Yvelines	PRIM·HOLSTEIN	410	7,989	311	38.9	255	31.9	566	70.9
Deux Sèvres	JERSIAISE	113	4,067	223	54.9	155	38.1	379	93.1
	CROSSBRED	171	7,165	277	38.7	231	32.2	508	70.9
	MONTBELIARDE	326	6,486	251	38.8	214	33.0	465	71.8
	NORMANDE	201	5,479	225	41.1	187	34.0	412	75.1
	PRIM·HOLSTEIN	6,883	7,771	306	39.4	251	32.4	558	71.8
Somme	CROSSBRED	686	6,863	268	39.0	222	32.3	490	71.3
	MONTBELIARDE	200	6,460	253	39.2	215	33.3	468	72.5
	NORMANDE	158	6,465	266	41.1	221	34.2	487	75.3
	PRIM·HOLSTEIN	7,868	7,844	301	38.4	249	31.8	550	70.1
Tarn	BRUNE	84	5,070	211	41.7	165	32.6	376	74.3
	CROSSBRED	185	6,011	241	40.1	191	31.8	432	71.8
	MONTBELIARDE	130	5,760	224	38.9	186	32.3	410	71.2
	PRIM·HOLSTEIN	2,569	7,006	271	38.7	220	31.5	492	70.2
Tarn & Garonne	CROSSBRED	94	5,667	230	40.5	181	32.0	411	72.5
	MONTBELIARDE	46	5,613	230	41.0	181	32.3	412	73.3
	PRIM·HOLSTEIN	923	6,656	263	39.4	209	31.4	472	70.8
Vendée	JERSIAISE	124	3,864	207	53.4	138	35.6	344	89.0
	BRUNE	71	6,199	264	42.6	212	34.2	476	76.8
	CROSSBRED	513	6,221	258	41.5	203	32.6	461	74.1
	MONTBELIARDE	703	6,390	256	40.0	214	33.5	470	73.6
	NORMANDE	581	5,468	229	42.0	190	34.7	419	76.6
	PRIM·HOLSTEIN	18,034	7,577	305	40.3	243	32.0	548	72.3

<sup>1</sup>Only the breeds with more than 40 results are listed here.



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

Local area	Breed <sup>1</sup>	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
Vienne	CROSSBRED	122	7,125	298	41.8	232	32.6	530	74.4
	MONTBELIARDE	138	6,181	245	39.7	209	33.8	454	73.4
	NORMANDE	71	5,631	237	42.0	189	33.6	426	75.6
	PRIM'HOLSTEIN	1,919	7,431	295	39.7	240	32.3	535	72.0
Haute Vienne	CROSSBRED	109	5,388	219	40.7	175	32.5	394	73.2
	MONTBELIARDE	75	5,225	209	40.0	171	32.8	380	72.7
	NORMANDE	153	4,760	202	42.5	160	33.6	362	76.1
	PRIM'HOLSTEIN	1,099	7,212	282	39.1	231	32.0	513	71.2
Vosges	BRUNE	57	5,501	223	40.5	184	33.4	406	73.8
	SIMMENTAL	183	5,958	243	40.8	202	33.9	445	74.6
	CROSSBRED	827	6,081	242	39.8	198	32.5	439	72.3
	MONTBELIARDE	2,654	5,993	236	39.5	198	33.1	435	72.6
	VOSGIENNE	113	3,098	118	38.0	98	31.8	216	69.8
	PRIM'HOLSTEIN	9,600	7,130	278	39.0	228	32.0	507	71.1
Yonne	CROSSBRED	184	6,380	259	40.6	208	32.7	467	73.3
	MONTBELIARDE	196	6,258	251	40.1	207	33.1	458	73.3
	PRIM'HOLSTEIN	2,446	7,665	301	39.3	243	31.7	544	71.0
Territoire de Belfort	CROSSBRED	48	6,354	248	39.0	205	32.2	453	71.2
	MONTBELIARDE	624	6,710	263	39.2	226	33.6	489	72.8
	PRIM'HOLSTEIN	576	7,617	294	38.6	244	32.0	538	70.6
Val d'Oise	PRIM'HOLSTEIN	58	6,802	267	39.2	218	32.0	484	71.2
Réunion	BRUNE	40	5,808	231	39.9	204	35.1	435	75.0
	CROSSBRED	99	5,837	214	36.6	190	32.6	404	69.2
	PRIM'HOLSTEIN	611	6,323	230	36.4	200	31.6	430	68.0

<sup>1</sup>Only the breeds with more than 40 results are listed here.



## IV - SOMATIC CELLS COUNT RESULTS PER LOCAL AREA

Local area <sup>1</sup>	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	12,600	38.6	15,466	47.3	4,602	14.1	32,668
Aisne	7,217	38.6	9,180	49.1	2,298	12.3	18,695
Allier	1,792	42.8	1,681	40.1	718	17.1	4,191
Alpes Hte Provence	184	30.4	347	57.4	74	12.2	605
Hautes Alpes	892	36.3	1,311	53.4	253	10.3	2,456
Alpes Maritimes	53	46.1	45	39.1	17	14.8	115
Ardèche	2,457	40.4	2,672	44.0	950	15.6	6,079
Ardennes	5,051	37.4	6,875	50.9	1,581	11.7	13,507
Ariège	1,201	44.3	870	32.1	640	23.6	2,711
Aube	2,726	42.2	2,713	42.0	1,023	15.8	6,462
Aude	157	43.6	149	41.4	54	15.0	360
Aveyron	13,153	38.3	16,389	47.7	4,810	14.0	34,352
Calvados	19,235	37.6	25,494	49.8	6,440	12.6	51,169
Cantal	17,624	38.0	23,027	49.7	5,712	12.3	46,363
Charente	2,306	40.8	2,354	41.6	992	17.6	5,652
Charente Maritime	3,333	39.1	3,753	44.0	1,438	16.9	8,524
Cher	1,319	41.2	1,424	44.4	462	14.4	3,205
Corrèze	2,041	42.4	1,988	41.3	788	16.4	4,817
Côte d'Or	5,146	42.9	5,099	42.5	1,740	14.5	11,985
Côtes d'Armor	38,832	35.8	57,387	52.9	12,211	11.3	108,430
Creuse	1,348	43.0	1,245	39.8	539	17.2	3,132
Dordogne	4,000	41.8	3,832	40.1	1,735	18.1	9,567
Doubs	26,042	31.4	51,204	61.7	5,807	7.0	83,053
Drôme	1,198	42.3	1,125	39.8	506	17.9	2,829
Eure	5,963	38.8	7,202	46.8	2,214	14.4	15,379
Eure & Loir	2,088	39.8	2,377	45.3	782	14.9	5,247
Finistère	32,102	35.0	49,718	54.2	9,832	10.7	91,652
Haute Garonne	2,753	43.7	2,189	34.8	1,352	21.5	6,294
Gers	596	47.1	449	35.5	220	17.4	1,265
Gironde	1,346	42.5	1,120	35.3	704	22.2	3,170
Hérault	43	47.8	25	27.8	22	24.4	90
Ille & Vilaine	63,855	36.5	89,460	51.1	21,736	12.4	175,051
Indre	1,445	39.0	1,800	48.6	462	12.5	3,707
Indre & Loire	4,304	36.3	5,980	50.5	1,563	13.2	11,847
Isère	7,074	38.4	8,686	47.2	2,644	14.4	18,404
Jura	16,537	35.6	24,805	53.4	5,088	11.0	46,430
Landes	1,668	43.4	1,622	42.2	555	14.4	3,845
Loir & Cher	2,821	36.4	3,934	50.7	1,001	12.9	7,756
Loire	12,857	37.4	17,580	51.1	3,986	11.6	34,423
Haute Loire	15,243	39.3	18,443	47.5	5,148	13.3	38,834
Loire Atlantique	30,285	34.6	46,999	53.6	10,367	11.8	87,651
Loiret	2,141	42.2	2,058	40.5	880	17.3	5,079
Lot	3,309	40.2	3,558	43.2	1,366	16.6	8,233
Lot & Garonne	2,638	42.7	2,186	35.4	1,352	21.9	6,176
Lozère	2,828	38.4	3,684	50.0	854	11.6	7,366
Maine & Loire	21,981	34.8	33,675	53.4	7,418	11.8	63,074
Manche	46,486	37.0	63,122	50.3	15,931	12.7	125,539

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



## IV - SOMATIC CELLS COUNT RESULTS PER LOCAL AREA

Local area <sup>1</sup>	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	1,495	39.0	1,885	49.2	454	11.8	3,834
Haute Marne	8,783	36.3	12,643	52.2	2,776	11.5	24,202
Mayenne	42,551	36.1	60,782	51.5	14,661	12.4	117,994
Meurthe & Moselle	8,430	37.1	11,500	50.6	2,796	12.3	22,726
Meuse	8,700	34.5	13,615	54.0	2,918	11.6	25,233
Morbihan	30,185	33.1	51,341	56.3	9,613	10.5	91,139
Moselle	10,969	37.1	14,926	50.5	3,660	12.4	29,555
Nièvre	384	43.6	370	42.0	127	14.4	881
Nord	16,937	35.7	25,534	53.8	4,964	10.5	47,435
Oise	3,805	38.2	4,849	48.7	1,295	13.0	9,949
Orne	26,832	38.3	34,520	49.3	8,715	12.4	70,067
Pas de Calais	15,310	37.5	20,350	49.9	5,147	12.6	40,807
Puy de Dôme	14,642	40.1	16,935	46.4	4,927	13.5	36,504
Pyrénées Atlantiques	4,831	41.1	5,089	43.3	1,840	15.6	11,760
Hautes Pyrénées	1,248	42.6	1,247	42.6	433	14.8	2,928
Pyrénées Orientales	99	47.1	65	31.0	46	21.9	210
Bas Rhin	8,541	35.9	12,754	53.6	2,519	10.6	23,814
Haut Rhin	4,992	40.3	5,622	45.4	1,782	14.4	12,396
Rhône	7,851	39.1	9,657	48.0	2,593	12.9	20,101
Haute Saône	11,970	37.3	16,170	50.4	3,974	12.4	32,114
Saône & Loire	6,477	41.2	7,087	45.1	2,153	13.7	15,717
Sarthe	16,756	37.4	22,032	49.2	5,999	13.4	44,787
Savoie	9,378	40.9	10,765	46.9	2,788	12.2	22,931
Haute Savoie	12,713	35.2	20,494	56.7	2,916	8.1	36,123
Seine Maritime	19,144	40.1	22,265	46.6	6,343	13.3	47,752
Seine & Marne	1,067	39.4	1,204	44.4	440	16.2	2,711
Yvelines	524	42.3	559	45.2	155	12.5	1,238
Deux Sèvres	7,921	36.4	10,890	50.1	2,930	13.5	21,741
Somme	9,109	38.6	11,274	47.8	3,220	13.6	23,603
Tarn	4,059	42.3	3,819	39.8	1,721	17.9	9,599
Tarn & Garonne	1,481	43.7	1,190	35.1	720	21.2	3,391
Vendée	18,767	35.0	28,072	52.4	6,769	12.6	53,608
Vienne	2,591	40.2	2,879	44.7	972	15.1	6,442
Haute Vienne	1,939	42.7	1,829	40.3	772	17.0	4,540
Vosges	15,236	37.7	20,546	50.8	4,680	11.6	40,462
Yonne	3,297	39.6	3,706	44.5	1,328	15.9	8,331
Territoire de Belfort	1,515	39.5	1,755	45.8	561	14.6	3,831
Val d'Oise	63	36.0	90	51.4	22	12.6	175
Réunion	1,055	41.5	965	38.0	522	20.5	2,542
<b>France</b>	<b>811,917</b>	<b>36.9</b>	<b>1,117,577</b>	<b>50.8</b>	<b>271,118</b>	<b>12.3</b>	<b>2,200,612</b>

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



# *Milk recording results - Sheep France – Year 2020*

*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
<b>1985</b>	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)	
<b>2005</b>	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)	
<b>2020</b>	Rayon	189 147 (17%)	87%	319	339 (174)	505 457
	Pyrénées	121 136 (28%)	48%	278	231 (156)	38 026
	Corse	20 157 (24%)	36%	17	149 (189)	13 446





## 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 2020. Thus, these results concern the year 2020. 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 2020

The total number of ewes present at the lambing period reached 330,431 in 2020, that is quite similar to the previous year (+ 0.3%). At the same time the total number of ewes with lactation calculation is stable at 278,442 (+0.01%). This stability confirms the trend observed the previous year and puts an end to the increase observed from 2016 to 2018 (+22,000 ewes over 3 years).

750 flocks are counted up today in Official Milk Recording, which means a decrease of 10 flocks compared to the previous year. Meanwhile, the average size of flock still progressed in 2020 (441 ewes present at the lambing period in average versus 433 ewes in 2019 and 428 ewes in 2018).

In 2020 the average milk yield is increasing for the Lacaune breed (+9.2 liters) and for the Corsican breed (+1.3 liter), is stable for the “Manech tête noire” breed (-0.1 liter) and is decreasing for the “Manech tête Rousse” breed (-3.2 liters) and for the “Basco Béarnaise” breed (-3.8 liters). At the national level the milk yield reached 291.6 liters (+5.3 liters) in 169 days in milking-only period (identical duration to the previous year).

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). 1,232 flocks and 556,929 ewes present at the lambing period were submitted to D recording in 2020.



# TABLE OF CONTENTS

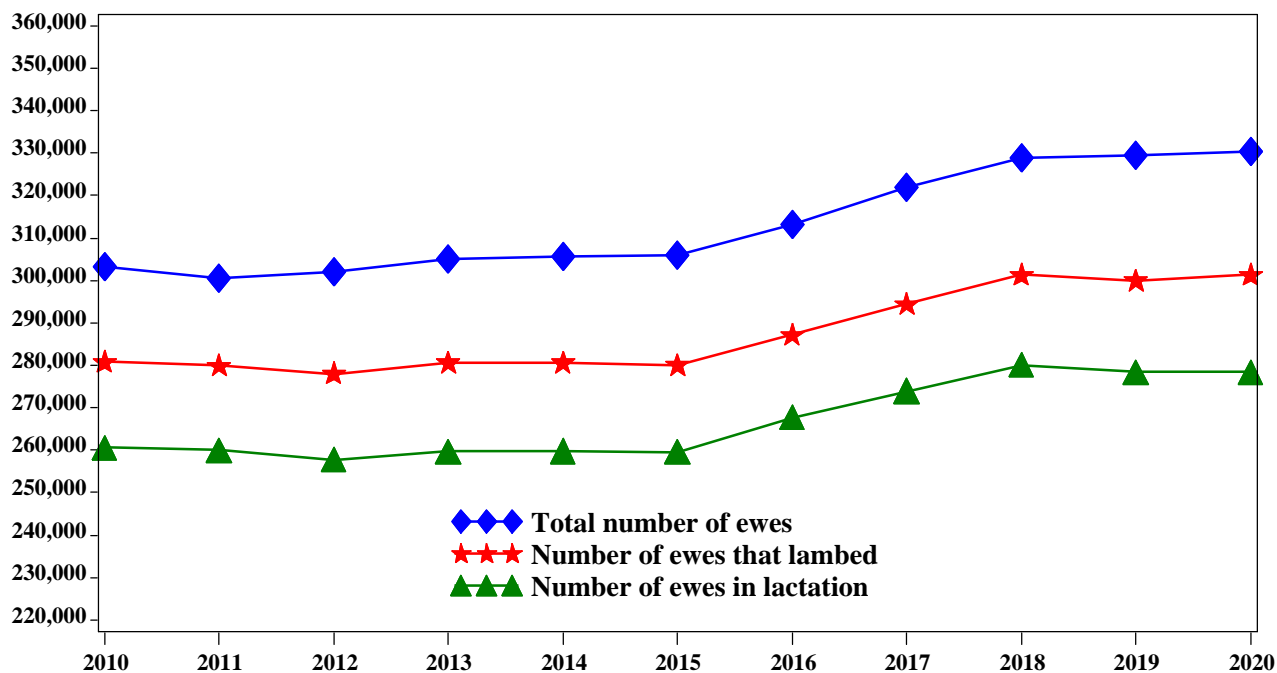
<b>I - GLOBAL RESULTS .....</b>	<b>7</b>
1.1 - Reminder of the previous years .....	7
1.2 - Results of the year .....	8
1.2.1 - Distribution by parity .....	8
1.2.2 - Number of flocks and average number of ewes per flock .....	8
1.2.3 - Results per local area .....	8
1.2.4 - Results per breeding area and parity .....	10
1.2.5 - Results per breeding area, parity and month of lambing .....	11
1.2.6 - Results per breeding area and flock size .....	13
1.2.7 - Results per milk recording organization (MRO) .....	14
1.2.8 - Results per milk recording organization (MRO) and local area .....	15
1.2.9 - Results per recognized performance recording organization (RPRO) .....	16
1.2.10 - Results per recognized performance recording organization (RPRO) and local area .....	16
<b>II - RESULTS PER BREED .....</b>	<b>17</b>
2.1 - Results for all breeds .....	17
2.2 - Lacaune breed .....	18
2.3 - Basco-Béarnaise breed .....	19
2.4 - Manech Tête Noire breed .....	20
2.5 - Manech Tête Rousse breed .....	21
2.6 - Corse breed .....	22



# 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
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
2020	330,431	301,305	91.1	278,442	92.4	291.6	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	95,274	77,105	80.9	69,912	90.7	256.0	156
2nd lactation and over	235,157	224,200	95.3	208,530	93.0	303.5	173
<b>Overall total</b>	<b>330,431</b>	<b>301,305</b>	<b>91.1</b>	<b>278,442</b>	<b>92.4</b>	<b>291.6</b>	<b>169</b>

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

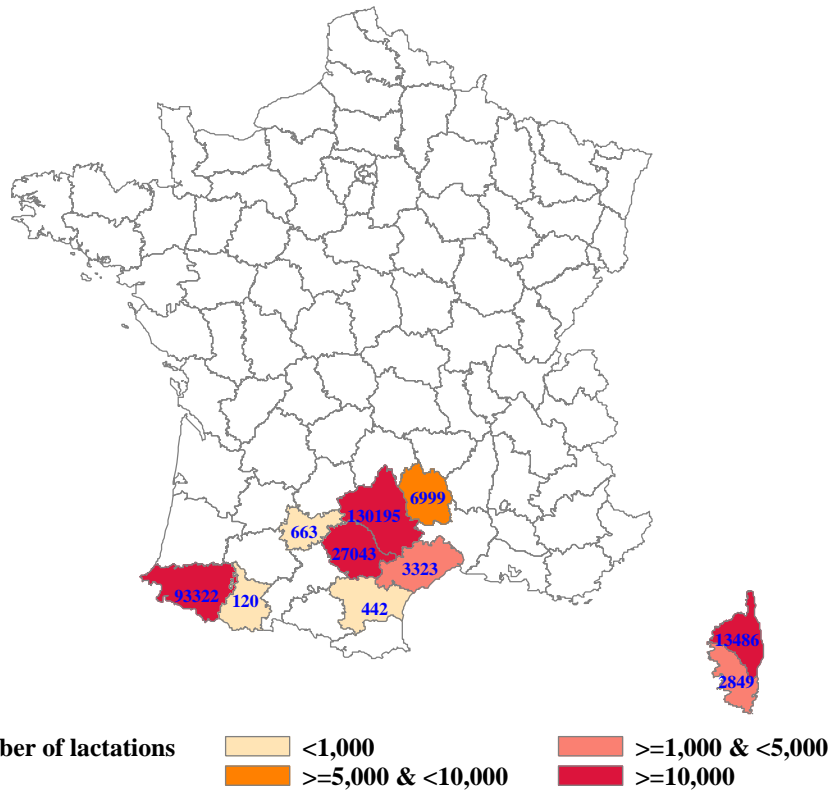
Total number of ewes in lactation	Total number of flocks	Average number of ewes per flock
278,442	750	371.3

### 1.2.3 - Results per local area

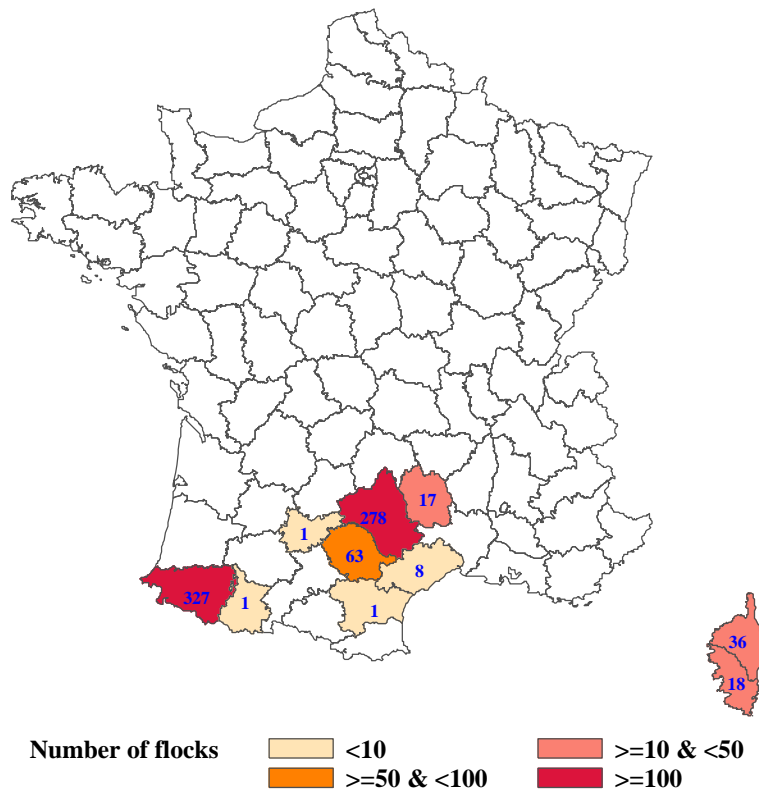
Local area	Number of flocks	Number of ewes in lactation	Milk yield l	Lactation duration d
Aude	1	442	343.4	199
Aveyron	278	130,195	339.2	174
Corse du Sud	18	2,849	162.9	184
Haute Corse	36	13,486	145.8	190
Hérault	8	3,323	326.2	179
Lozère	17	6,999	326.8	173
Pyrénées Atlantiques	327	93,322	230.7	156
Hautes Pyrénées	1	120	138.1	139
Tarn	63	27,043	345.1	177
Tarn & Garonne	1	663	293.6	139
<b>Overall total</b>	<b>750</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>



**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 <sup>1</sup>	Parity	Number of ewes in lactation	Milk yield liters	Lactation duration days
01	1st lactation	45,402	286.8	161
	2nd lactation	37,390	357.5	180
	3rd lactation	29,359	377.7	183
	4th lactation	21,995	371.4	182
	5th lactation	15,524	354.8	179
	6th lactation	10,083	335.6	175
	7th lactation and over	8,350	299.8	165
	Unknown	541	297.4	159
<b>Total breeding area</b>		<b>168,644</b>	<b>339.2</b>	<b>174</b>
02	1st lactation	2,770	105.7	145
	2nd lactation	2,841	150.0	189
	3rd lactation	2,595	168.9	204
	4th lactation	2,088	172.1	206
	5th lactation	1,792	170.2	208
	6th lactation	1,356	155.4	199
	7th lactation and over	1,909	142.5	192
	Unknown	984	127.5	178
<b>Total breeding area</b>		<b>16,335</b>	<b>148.8</b>	<b>189</b>
03	1st lactation	21,740	210.7	148
	2nd lactation	18,753	243.6	158
	3rd lactation	16,298	251.7	162
	4th lactation	12,630	246.0	162
	5th lactation	9,216	235.7	160
	6th lactation	6,290	219.9	155
	7th lactation and over	6,542	195.2	146
	Unknown	1,994	182.8	144
<b>Total breeding area</b>		<b>93,463</b>	<b>230.6</b>	<b>156</b>
<b>Overall total</b>		<b>278,442</b>	<b>291.6</b>	<b>169</b>

<sup>1</sup>Refer 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	8,270	272.2	149
		February	6,988	252.3	142
		March	2,183	215.7	115
		April	514	168.9	101
		May	124	185.5	100
		June	4	97.6	53
		July	213	309.7	189
		August	1,322	347.4	199
		September	1,905	345.7	194
		October	7,312	324.6	184
		November	9,997	304.8	171
		December	6,570	277.2	155
	2nd lactation and over	January	17,602	343.2	169
		February	8,411	310.7	147
		March	2,611	245.6	117
		April	855	208.4	112
		May	291	237.1	114
		June	27	155.4	69
		July	1,628	351.0	189
		August	6,163	386.1	197
		September	11,668	366.3	190
		October	34,990	377.8	193
		November	28,288	368.0	183
		December	10,708	353.2	170
<b>Total breeding area</b>			<b>168,644</b>	<b>339.2</b>	<b>174</b>
02	1st lactation	January	707	95.0	125
		February	361	74.0	96
		March	173	43.6	61
		April	47	21.4	39
		May			
		June			
		July			
		August	3	151.0	225
		September	117	146.1	208
		October	529	144.7	202
		November	472	124.3	176
		December	361	104.2	143
	2nd lactation and over	January	355	110.6	123
		February	258	96.0	99
		March	129	50.0	64
		April	24	26.9	38
		May			
		June			
		July			
		August	113	160.2	217
		September	4,895	162.7	213
		October	6,220	164.4	202
		November	1,350	149.2	182
		December	221	125.9	148

<sup>1</sup>Refer 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>			<b>16,335</b>	<b>148.8</b>	<b>189</b>
<b>03</b>	1st lactation	January	2,252	195.9	133
		February	2,334	148.0	100
		March	2,455	107.1	74
		April	390	75.6	50
		May	50	68.2	44
		June			
		July			
		August			
		September	7	273.0	211
		October	1,995	265.0	189
		November	7,851	254.0	178
		December	4,406	220.9	161
	2nd lactation and over	January	3,371	219.6	135
		February	3,546	172.5	101
		March	2,892	129.3	75
		April	558	89.9	51
		May	44	51.0	29
		June			
		July			
		August			
		September	84	253.9	198
		October	11,269	252.1	178
		November	37,746	248.3	168
		December	12,213	242.6	157
<i>Total breeding area</i>			<b>93,463</b>	<b>230.6</b>	<b>156</b>
<b>Overall total</b>			<b>278,442</b>	<b>291.6</b>	<b>169</b>

<sup>1</sup>Refer 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	880	323.9	176
	>=200 & <250	14	3,103	331.3	180
	>=250 & <300	23	6,307	334.9	170
	>=300 & <350	57	18,727	342.6	175
	>=350 & <400	46	17,181	335.7	177
	>=400 & <450	53	22,664	339.2	179
	>=450 & <500	47	22,437	347.5	177
	>=500 & <550	34	17,781	324.9	173
	>=550 & <600	29	16,643	354.8	179
	>= 600	60	42,921	336.2	169
<b>Total breeding area</b>		<b>368</b>	<b>168,644</b>	<b>339.2</b>	<b>174</b>
02	< 200	26	3,307	149.1	180
	>=200 & <250	3	691	158.5	182
	>=250 & <300	7	1,917	140.4	194
	>=300 & <350	5	1,599	161.0	202
	>=350 & <400	3	1,082	136.8	166
	>=400 & <450	3	1,274	150.2	203
	>=450 & <500	1	457	148.4	194
	>= 600	6	6,008	148.8	189
<b>Total breeding area</b>		<b>54</b>	<b>16,335</b>	<b>148.8</b>	<b>189</b>
03	< 200	71	11,924	196.6	149
	>=200 & <250	64	14,252	219.0	153
	>=250 & <300	81	22,084	230.6	156
	>=300 & <350	45	14,427	240.2	159
	>=350 & <400	29	10,689	242.5	161
	>=400 & <450	10	4,292	220.5	154
	>=450 & <500	11	5,184	246.2	157
	>=500 & <550	9	4,695	256.6	159
	>=550 & <600	4	2,244	267.3	163
	>= 600	5	3,672	248.3	152
<b>Total breeding area</b>		<b>329</b>	<b>93,463</b>	<b>230.6</b>	<b>156</b>
<b>Overall total</b>		<b>751</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>

<sup>1</sup>Refer 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>
<b>CDEO</b>	<b>328</b>	93,442	230.6	156
<b>Confédération Générale de Roquefort</b>	<b>179</b>	81,347	334.8	174
<b>EDE 48</b>	<b>9</b>	4,247	319.9	169
<b>EDE 81</b>	<b>28</b>	11,859	355.3	181
<b>EDE 82</b>	<b>1</b>	663	293.6	139
<b>SUAE CORSE DU SUD</b>	<b>18</b>	2,849	162.9	184
<b>SUAE HAUTE-CORSE</b>	<b>36</b>	13,486	145.8	190
<b>UNOTEC 12</b>	<b>151</b>	70,549	343.1	174
<b>Overall total</b>	<b>750</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>

<sup>1</sup>Refer 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	327	93,322	230.7	156
	Hautes Pyrénées	1	120	138.1	139
<b>Total MRO</b>		<b>328</b>	<b>93,442</b>	<b>230.6</b>	<b>156</b>
Confédération Générale de Roquefort	Aude	1	442	343.4	199
	Aveyron	132	61,251	334.1	174
	Hérault	3	1,718	333.8	196
	Lozère	8	2,752	337.5	180
	Tarn	35	15,184	337.1	174
<b>Total MRO</b>		<b>179</b>	<b>81,347</b>	<b>334.8</b>	<b>174</b>
EDE 48	Lozère	9	4,247	319.9	169
<b>Total MRO</b>		<b>9</b>	<b>4,247</b>	<b>319.9</b>	<b>169</b>
EDE 81	Tarn	28	11,859	355.3	181
<b>Total MRO</b>		<b>28</b>	<b>11,859</b>	<b>355.3</b>	<b>181</b>
EDE 82	Tarn & Garonne	1	663	293.6	139
<b>Total MRO</b>		<b>1</b>	<b>663</b>	<b>293.6</b>	<b>139</b>
SUAE CORSE DU SUD	Corse du Sud	18	2,849	162.9	184
<b>Total MRO</b>		<b>18</b>	<b>2,849</b>	<b>162.9</b>	<b>184</b>
SUAE HAUTE-CORSE	Haute Corse	36	13,486	145.8	190
<b>Total MRO</b>		<b>36</b>	<b>13,486</b>	<b>145.8</b>	<b>190</b>
UNOTEC 12	Aveyron	146	68,944	343.7	174
	Hérault	5	1,605	318.2	160
<b>Total MRO</b>		<b>151</b>	<b>70,549</b>	<b>343.1</b>	<b>174</b>
<b>Overall total</b>		<b>750</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>

<sup>1</sup>Refer 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 liters	Lactation duration days
CDEO	328	93,442	230.6	156
EDE 82	1	663	293.6	139
OS Lacaune	367	168,002	339.4	175
SUAE CORSE DU SUD	18	2,849	162.9	184
SUAE HAUTE-CORSE	36	13,486	145.8	190
<b>Overall total</b>	<b>750</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>

## 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 liters	Lactation duration days
CDEO	Pyrénées Atlantiques	327	93,322	230.7	156
	Hautes Pyrénées	1	120	138.1	139
<i>Total RPRO</i>		<i>328</i>	<i>93,442</i>	<i>230.6</i>	<i>156</i>
EDE 82	Tarn & Garonne	1	663	293.6	139
<i>Total RPRO</i>		<i>1</i>	<i>663</i>	<i>293.6</i>	<i>139</i>
OS Lacaune	Aude	1	442	343.4	199
	Aveyron	278	130,195	339.2	174
	Hérault	8	3,323	326.2	179
	Lozère	17	6,999	326.8	173
	Tarn	63	27,043	345.1	177
<i>Total RPRO</i>		<i>367</i>	<i>168,002</i>	<i>339.4</i>	<i>175</i>
SUAE CORSE DU SUD	Corse du Sud	18	2,849	162.9	184
<i>Total RPRO</i>		<i>18</i>	<i>2,849</i>	<i>162.9</i>	<i>184</i>
SUAE HAUTE-CORSE	Haute Corse	36	13,486	145.8	190
<i>Total RPRO</i>		<i>36</i>	<i>13,486</i>	<i>145.8</i>	<i>190</i>
<b>Overall total</b>		<b>750</b>	<b>278,442</b>	<b>291.6</b>	<b>169</b>

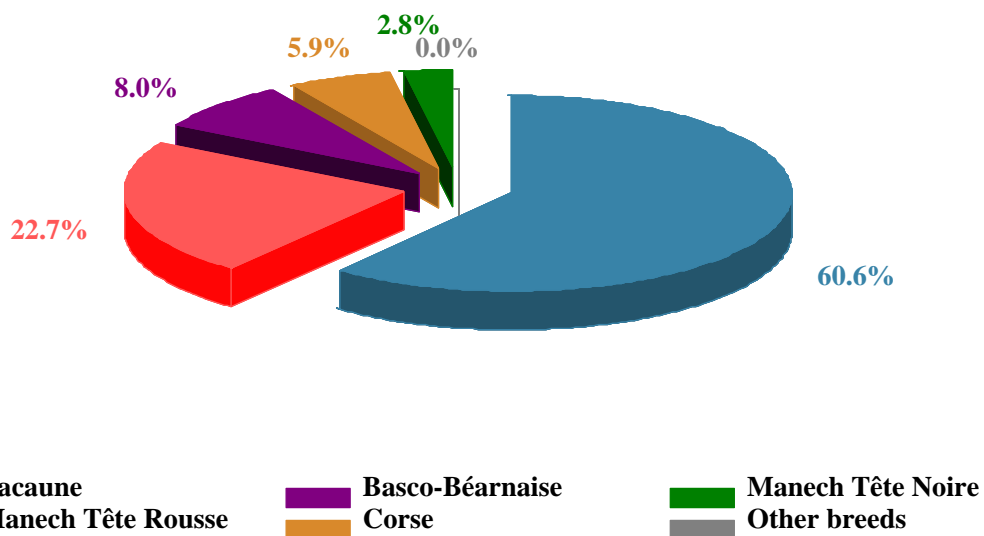
<sup>1</sup>Refer to the Introduction paragraph for details.



## 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	368	168,661	<b>339.2</b>	106.7	174	43
Manech Tête Rousse	242	63,172	<b>243.3</b>	95.3	161	50
Basco-Béarnaise	95	22,392	<b>214.4</b>	87.7	146	51
Corse	54	16,334	<b>148.8</b>	63.1	189	58
Manech Tête Noire	69	7,831	<b>175.0</b>	73.9	147	49
Other breeds	38	52	<b>156.3</b>	119.4	116	62



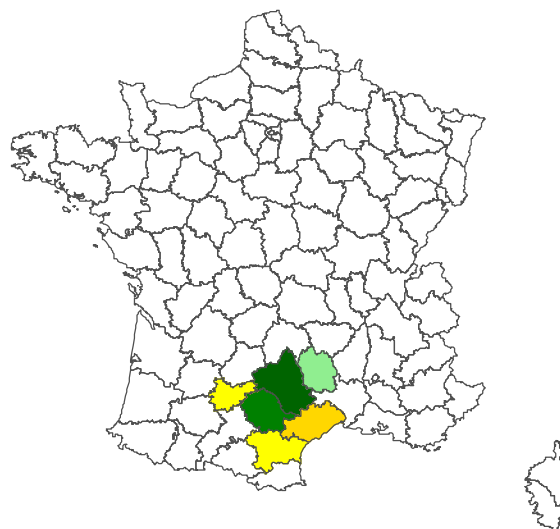
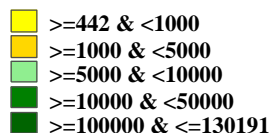
<sup>1</sup>Refer to the Introduction paragraph for details.



## 2.2 - Breed LACAUNE

(French breed code: 010)

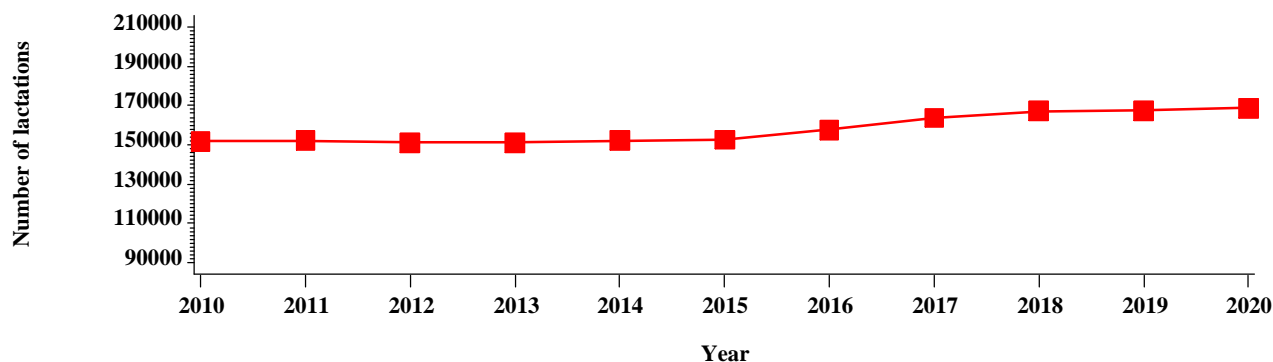
Geographical distribution of ewes with lactations of Lacaune breed



### 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	45,402	286.8	94.0	160.5	43
2nd lactation	37,402	357.5	102.8	180.4	43
3rd lactation	29,362	377.7	102.8	183.4	40
4th lactation	21,998	371.4	102.2	182.1	40
5th lactation	15,526	354.8	102.6	178.9	41
6th lactation	10,081	335.6	101.4	174.7	44
7th lactation and over	8,349	299.8	102.3	165.0	48
Unknown	541	297.4	124.5	158.5	54
<b>Overall total</b>	<b>168,661</b>	<b>339.2</b>	<b>106.7</b>	<b>174.5</b>	<b>43</b>

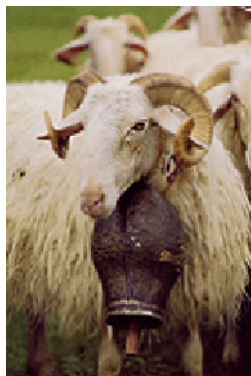
### Evolution of the number of lactations for Lacaune breed



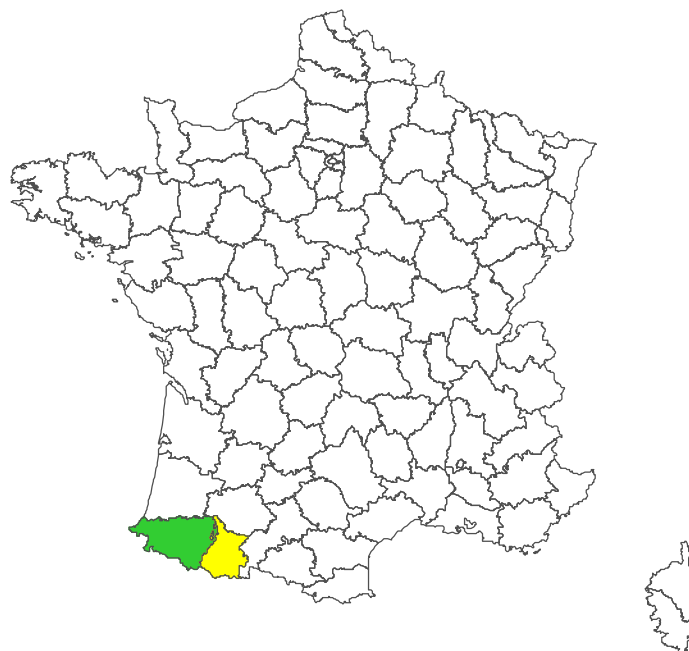
## 2.3 - Breed BASCO BEARNAISE

(French breed code: 030)

Geographical distribution of ewes with lactations of Basco Bearnaise breed



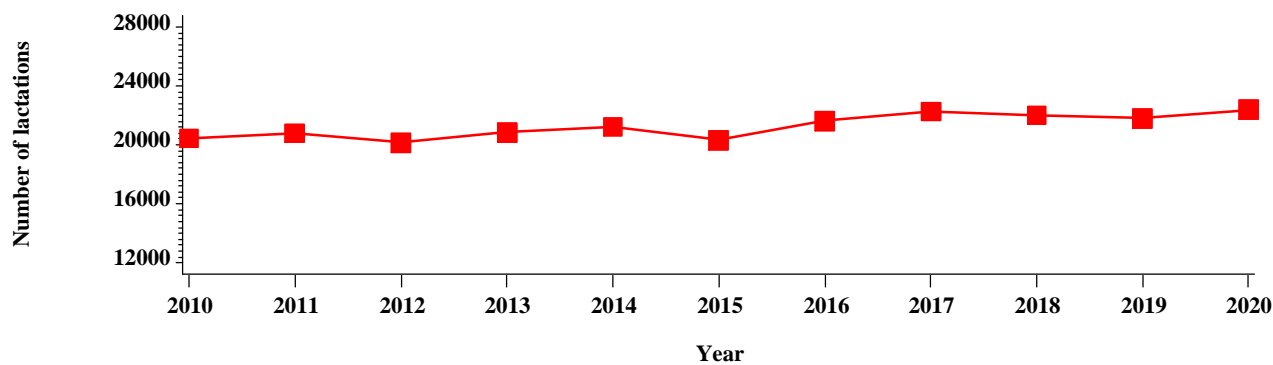
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### Distribution by parity for Basco Bearnaise breed

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	5,061	167.6	74.1	118.2	48
2nd lactation	4,345	219.4	81.0	145.2	48
3rd lactation	3,836	241.0	84.6	158.0	48
4th lactation	2,954	243.3	86.9	161.1	47
5th lactation	2,126	242.6	89.0	160.3	47
6th lactation	1,532	222.2	87.6	154.5	50
7th lactation and over	1,742	202.4	88.4	146.8	51
Unknown	796	184.0	79.1	149.6	55
<b>Overall total</b>	<b>22,392</b>	<b>214.4</b>	<b>87.7</b>	<b>145.7</b>	<b>51</b>

### Evolution of the number of lactations for Basco Bearnaise breed





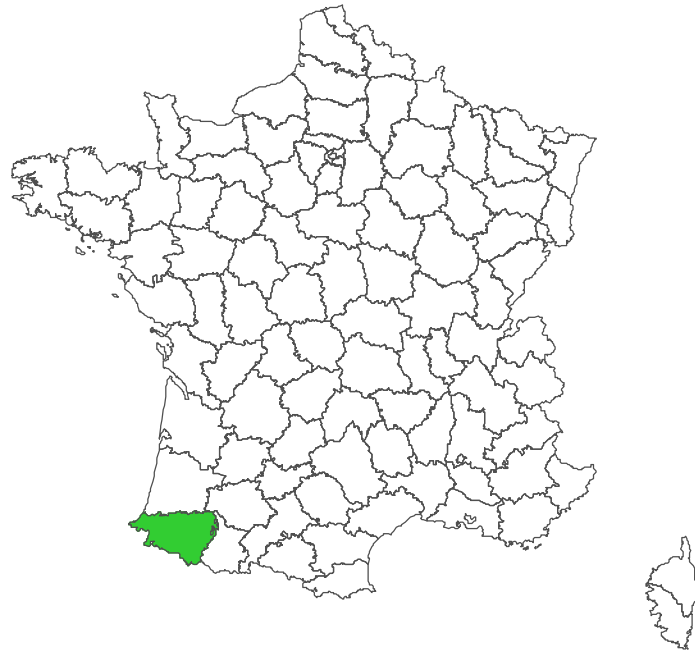
## 2.4 - Breed MANECH TETE NOIRE

(French breed code: 052)

Geographical distribution of ewes with lactations of Manech Tete Noire breed



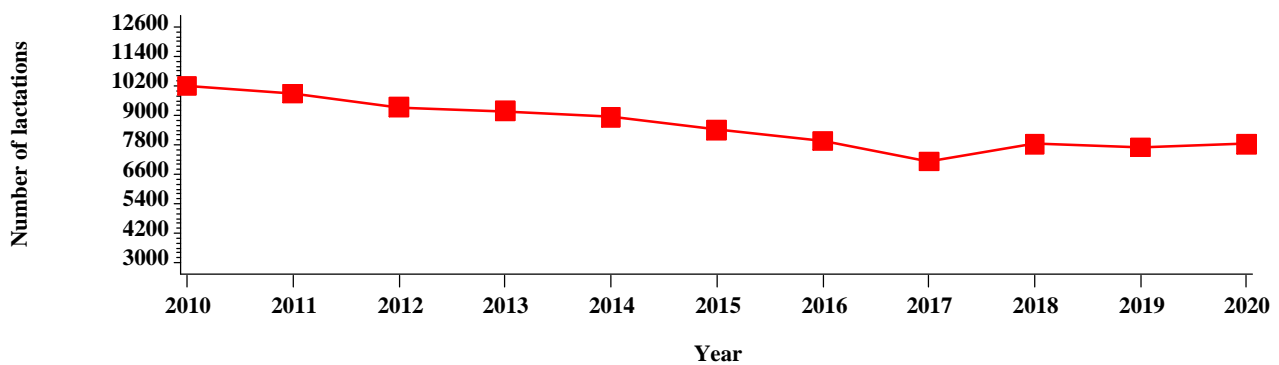
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### Distribution by parity for Manech Tete Noire breed

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	1,721	167.6	75.1	146.0	52
2nd lactation	1,501	187.4	73.2	151.1	48
3rd lactation	1,288	190.5	73.4	150.6	46
4th lactation	1,031	182.6	72.6	150.8	47
5th lactation	766	176.3	72.5	146.7	49
6th lactation	479	166.9	69.1	144.4	46
7th lactation and over	579	147.2	66.8	135.7	48
Unknown	466	143.5	68.2	128.8	51
<b>Overall total</b>	<b>7,831</b>	<b>175.0</b>	<b>73.9</b>	<b>146.6</b>	<b>49</b>

### Evolution of the number of lactations for Manech Tete Noire breed



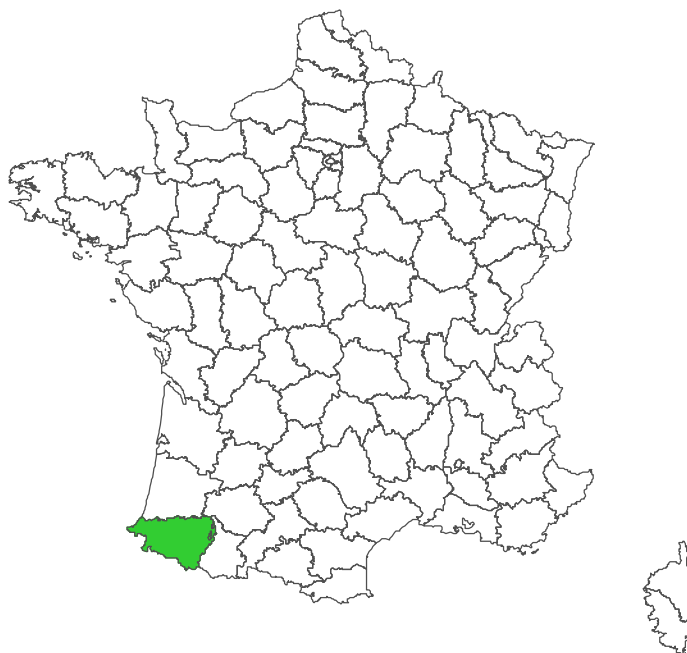
## 2.5 - Breed MANECH TETE ROUSSE

(French breed code: 053)

Geographical distribution of ewes with lactations of Manech Tete Rousse breed



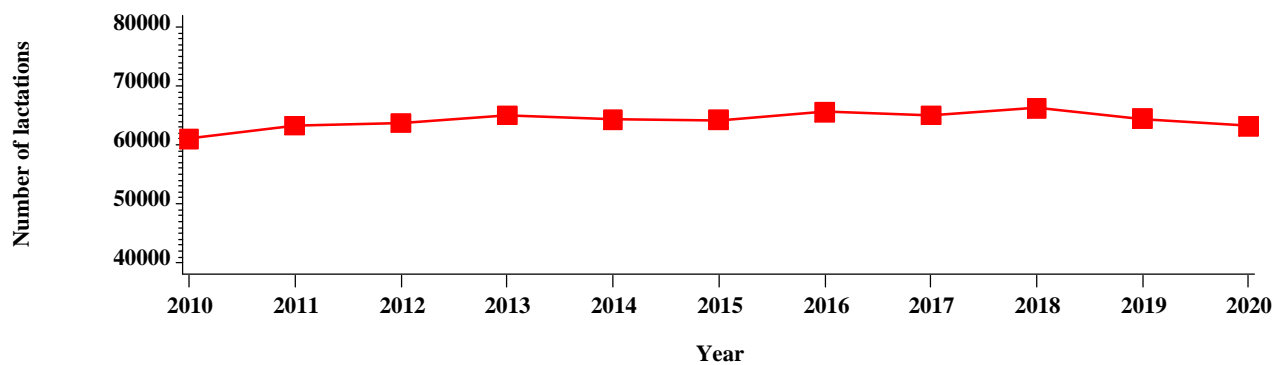
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### Distribution by parity for Manech Tete Rousse breed

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	14,945	230.3	92.4	158.8	49
2nd lactation	12,888	258.3	94.2	162.6	50
3rd lactation	11,158	262.5	94.6	165.0	49
4th lactation	8,635	254.6	95.5	163.8	50
5th lactation	6,320	240.5	93.6	161.8	50
6th lactation	4,277	225.0	91.9	157.0	51
7th lactation and over	4,219	198.9	89.1	147.0	53
Unknown	730	206.3	98.5	148.4	55
<b>Overall total</b>	<b>63,172</b>	<b>243.3</b>	<b>95.3</b>	<b>160.6</b>	<b>50</b>

### Evolution of the number of lactations for Manech Tete Rousse breed



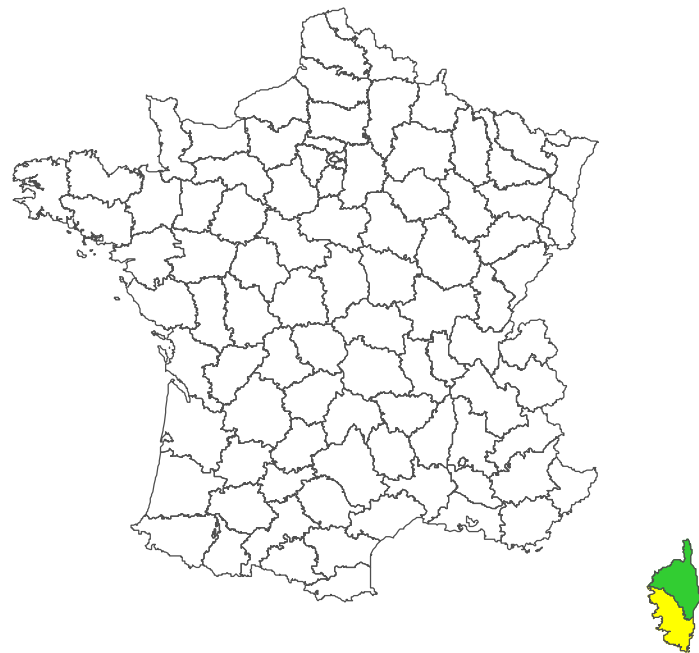
## 2.6 - Breed CORSE

(French breed code: 046)

Geographical distribution of ewes with lactations of Corse breed



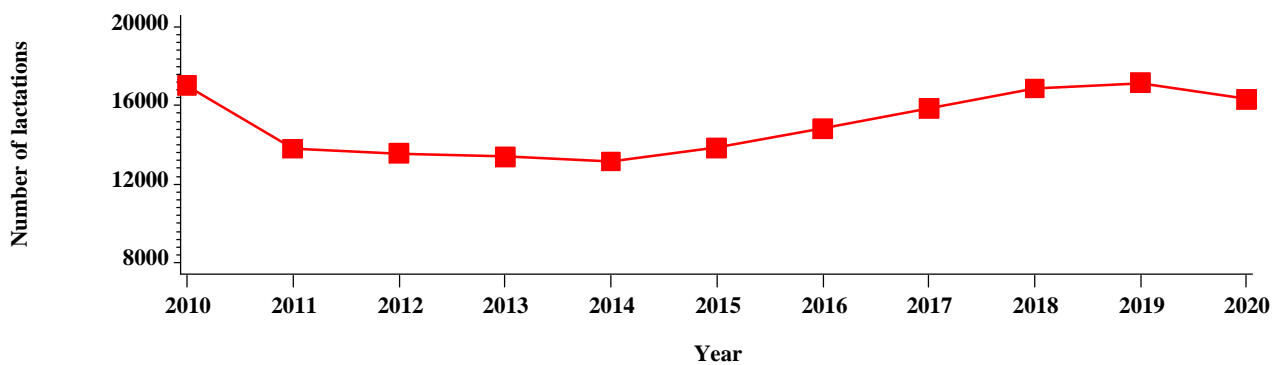
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### Distribution by parity for Corse breed

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	2,769	105.6	49.1	145.0	54
2nd lactation	2,841	150.0	59.7	189.2	56
3rd lactation	2,595	168.9	60.4	204.3	50
4th lactation	2,088	172.1	62.1	205.7	50
5th lactation	1,792	170.2	59.7	207.6	47
6th lactation	1,356	155.4	60.6	199.3	52
7th lactation and over	1,909	142.5	60.5	192.4	56
Unknown	984	127.5	60.9	177.7	68
<b>Overall total</b>	<b>16,334</b>	<b>148.8</b>	<b>63.1</b>	<b>188.7</b>	<b>58</b>

### Evolution of the number of lactations for Corse breed



# *Milk recording results - Goats France – Year 2020*

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

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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 April 2021).

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 2020.

**One lactation per « active » goat, the last terminated one,** is taken into account in the process (under condition of kidding date after January 1st, 2017). Because of the application of these conditions, the results presented in this report do not include primiparous goats having their lactation still on-going.

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: « *when milk recording protocol changes for a herd, for example from A to AZ, CZ or AT, the on-going lactations are calculated and qualified according to the protocol which gives less accurate information (AT < CZ < AZ < A)* ».

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



## Trends for 2020

The number of qualified lactations and the number of flocks are slightly decreasing in 2020 to reach 231,915 lactations (-16,664 lactations -6.7%) and 1,473 flocks (-1.3%).

In 2020, 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 35.5% (+1.7) confirming the trend observed since 2018 (+0.8% in 2019).

The milk yield reach 989 Kg per lactation (+26 Kg). This increasing of the milk yield occurs in conjunction with a long lactation duration at 321 days, confirming the increase observed for a few years (298 days in 2014).

Meanwhile true-protein and fat rates are still increasing and reaches respectively 33.4 g/Kg (+0.2) and 37.6 g/Kg (+0.1).



# TABLE OF CONTENTS

<b>I - NATIONAL RESULTS</b> .....	<b>5</b>
1.1 - Overall milk recorded population .....	5
1.1.1 - Total number of active herds in 2020* .....	5
1.1.2 - Total number of active goats in 2020* .....	5
1.2 - Terminated lactations .....	6
1.3 - Qualified lactations .....	8
1.3.1 - Distribution of qualified lactations per year of calving and of drying off .....	8
1.3.2 - Results of the campaign .....	8
1.4 - Reminder of previous campaigns .....	8
<b>II - RESULTS ACCORDING TO VARIATION FACTORS</b> .....	<b>9</b>
2.1 - Results per parity .....	9
2.2 - Results according to herd size .....	9
2.3 - Results according to the month of kidding .....	10
2.3.1 - First lactations .....	10
2.3.2 - Lactations 2 and over .....	10
<b>III - RESULTS PER BREED</b> .....	<b>11</b>
3.1 - Overall results .....	11
3.1.1 - Complete lactations .....	11
3.1.2 - Reference lactations.....	11
3.1.3 - Average age at first kidding .....	12
3.2 - Detailed results per breed .....	13
<b>IV - RESULTS PER REGION</b> .....	<b>23</b>
4.1 - Detailed results .....	23
4.2 - Kidding distribution per month .....	23
<b>V - RESULTS PER LOCAL AREA (= FRENCH « DÉPARTEMENT »)</b> .....	<b>24</b>
5.1 - Geographical distributions .....	24
5.2 - Detail results per local area .....	25
5.3 - Distribution of milk recording protocols per local area .....	27
5.4 - Lactations (complete and reference) per breed and per local area .....	29

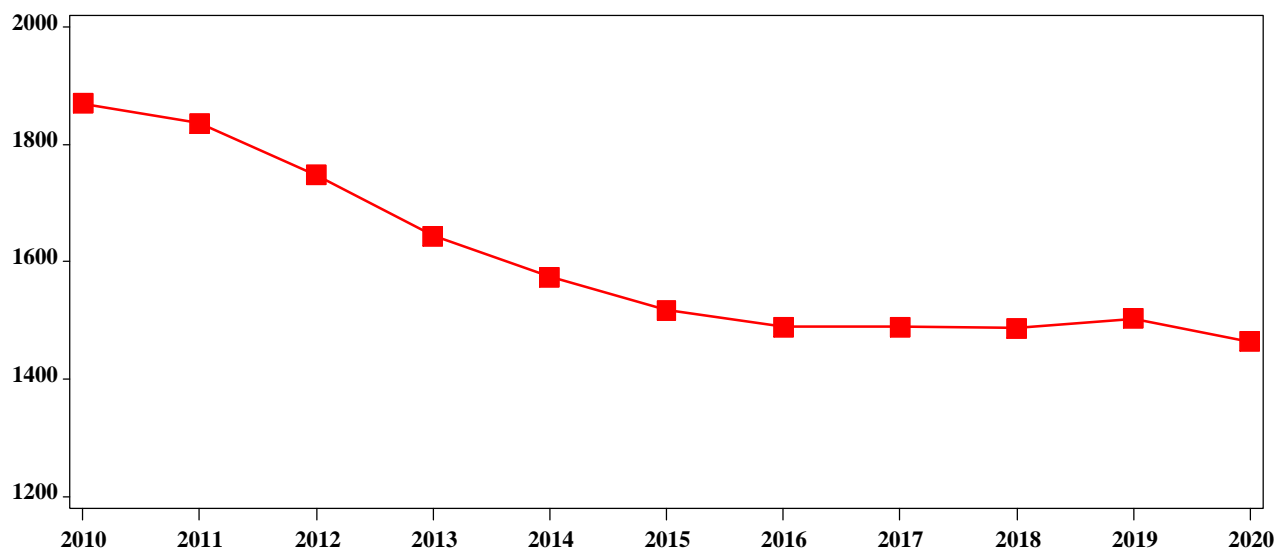


# I - NATIONAL RESULTS

## 1.1 - Overall milk recorded population

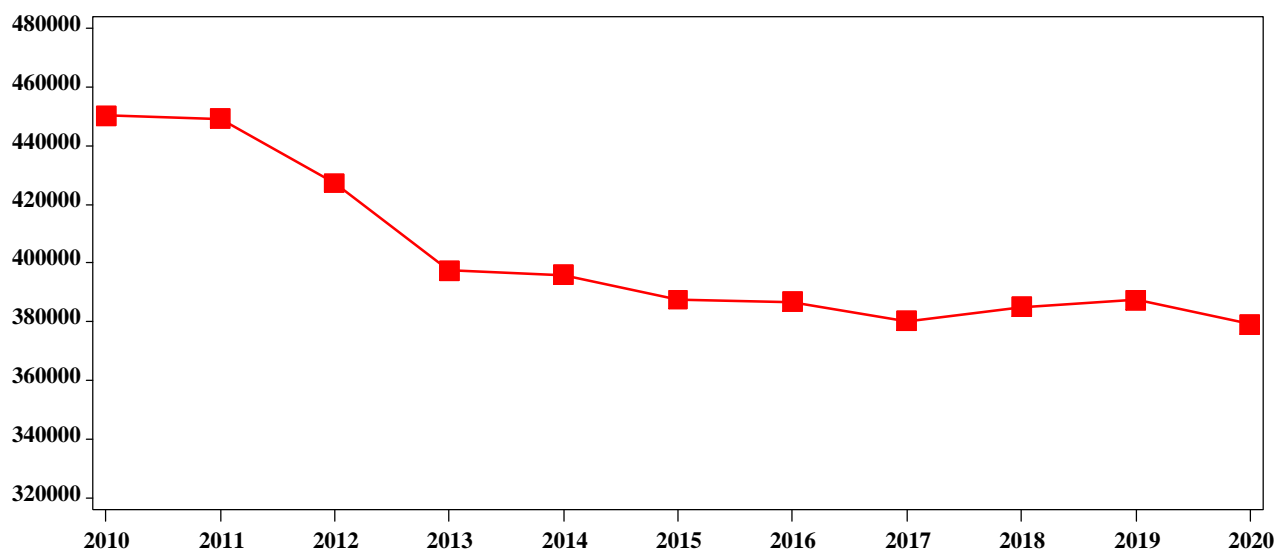
### 1.1.1 - Total number of active herds in 2020\*

1,464 herds



### 1.1.2 - Total number of active goats in 2020\*

379,132 goats



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

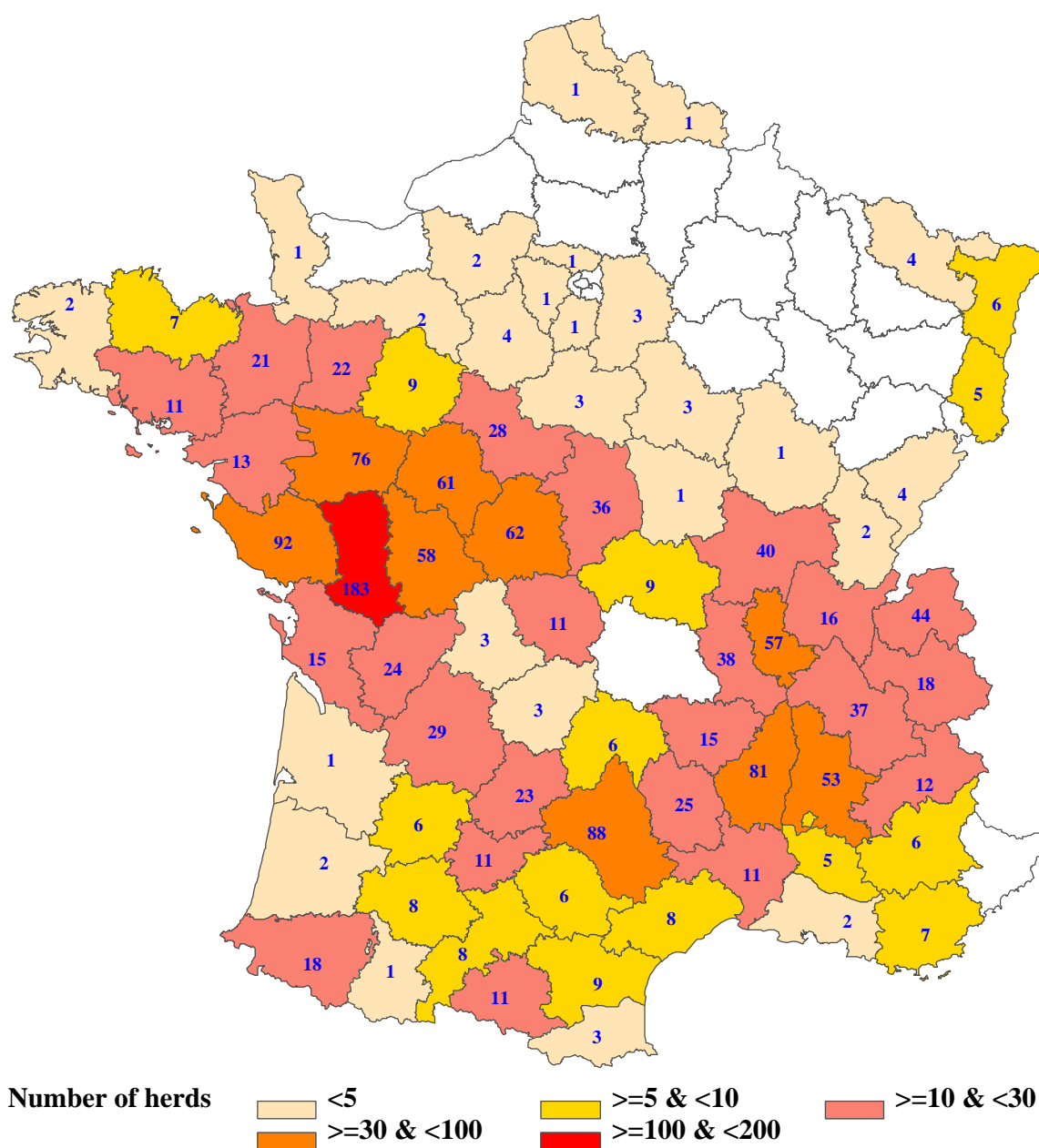




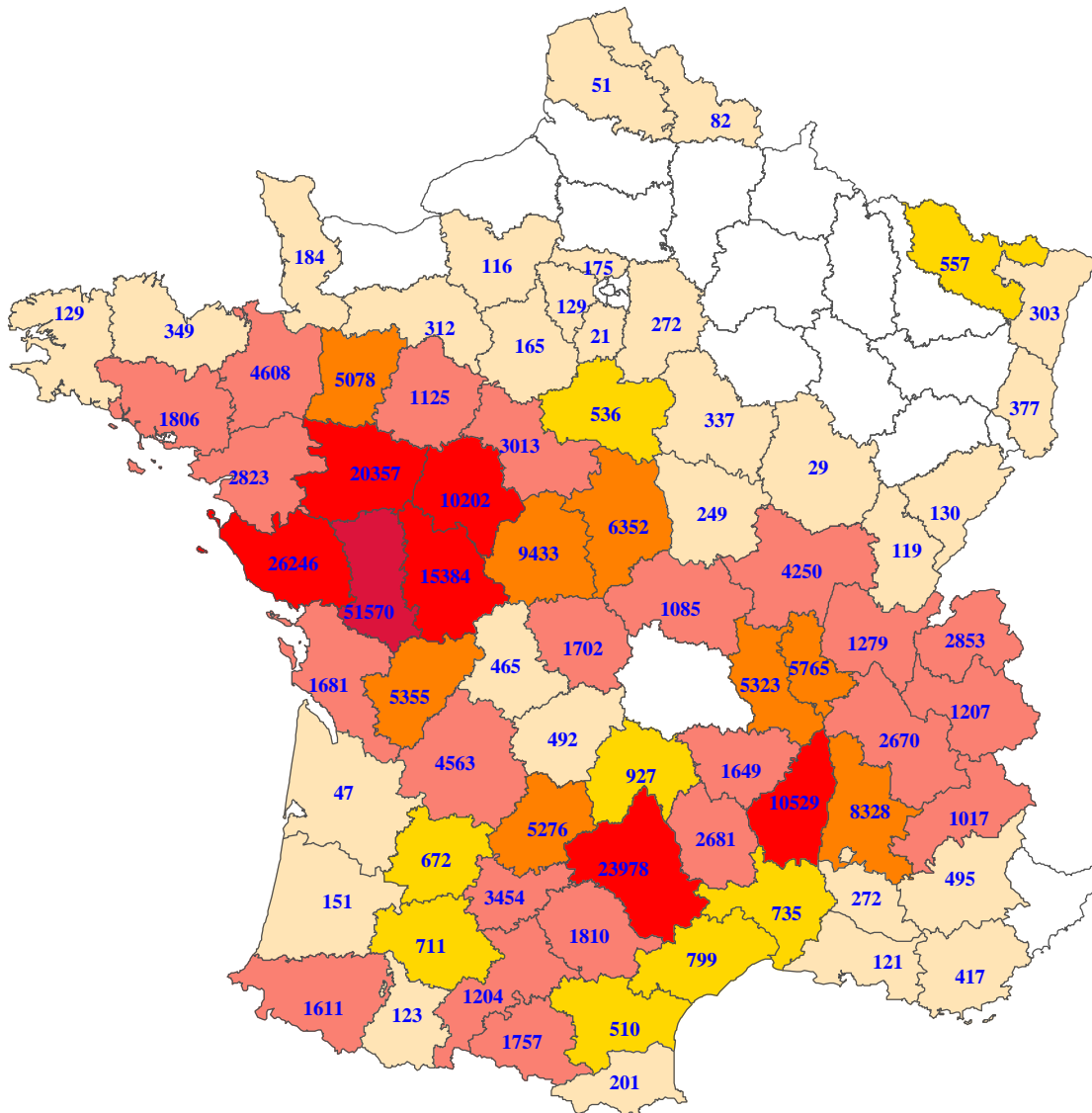
## 1.2 - Terminated lactations

Total number of herds with terminated lactations	1,497
Total number of terminated lactations	270,784
Average number of terminated lactations per herd	180.9
Total number of herds with qualified lactations	1,473
Total number of herds with qualified lactations	232,915

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	
	2017		2018		2019		2020			
	Nb	%	Nb	%	Nb	%	Nb	%	Nb	%
2017	171	0.1	690	0.3	1,619	0.7	984	0.4	3,464	1.5
2018			1,687	0.7	18,356	7.9	6,099	2.6	26,142	11.2
2019					30,053	12.9	78,642	33.8	108,695	46.7
2020							94,614	40.6	94,614	40.6
<b>Total</b>	171	0.1	2,377	1.0	50,028	21.5	180,339	77.4	232,915	100

For example: 94,614 qualified lactations (that is to say 40.6 % of the overall total) match the following criteria: a calving date and a drying off date in 2020.

### 1.3.2 - Results of the campaign

Parity		First lactations	Lactations 2 and over	Overall total
Number of lactations	kg	82,624	150,291	232,915
Lactation duration	days	333	314	321
<b>Milk yield</b>	kg	<b>957</b>	<b>1,007</b>	<b>989</b>
True protein content	kg	32.1	33.5	33.0
<b>True protein ‰</b>	g/kg	<b>33.5</b>	<b>33.3</b>	<b>33.4</b>
Fat content	kg	36.9	37.3	37.1
<b>Fat ‰</b>	g/kg	<b>38.6</b>	<b>37.0</b>	<b>37.6</b>

## 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
2020	270,784	232,915	321	989	33.0	33.4	37.1	37.6



## 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	82,624	35.5	333	957	33.5	38.6
2	60,508	26.0	321	1,044	33.6	37.5
3	40,455	17.4	315	1,026	33.3	36.9
4	23,732	10.2	310	988	33.2	36.7
5	13,230	5.7	305	949	32.9	36.5
6	6,672	2.9	301	895	32.7	36.5
7	3,159	1.4	297	852	32.4	36.4
8 and over	2,535	1.1	287	756	32.2	36.7
<b>Overall total</b>	232,915	100	321	989	33.4	37.6

### 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	339	23.0	8,748	3.8	289	798	33.3	37.1
>=50 & <99	304	20.6	21,758	9.3	309	850	33.5	37.5
>=100 & <149	210	14.3	26,116	11.2	317	929	33.4	37.5
>=150 & <249	325	22.1	64,043	27.5	324	985	33.5	37.5
>=250 & <499	252	17.1	84,371	36.2	323	1,032	33.4	37.5
>=500 and over	43	2.9	27,879	12.0	332	1,089	33.3	37.9
<b>Total</b>	1,473	100	232,915	100	321	989	33.4	37.6



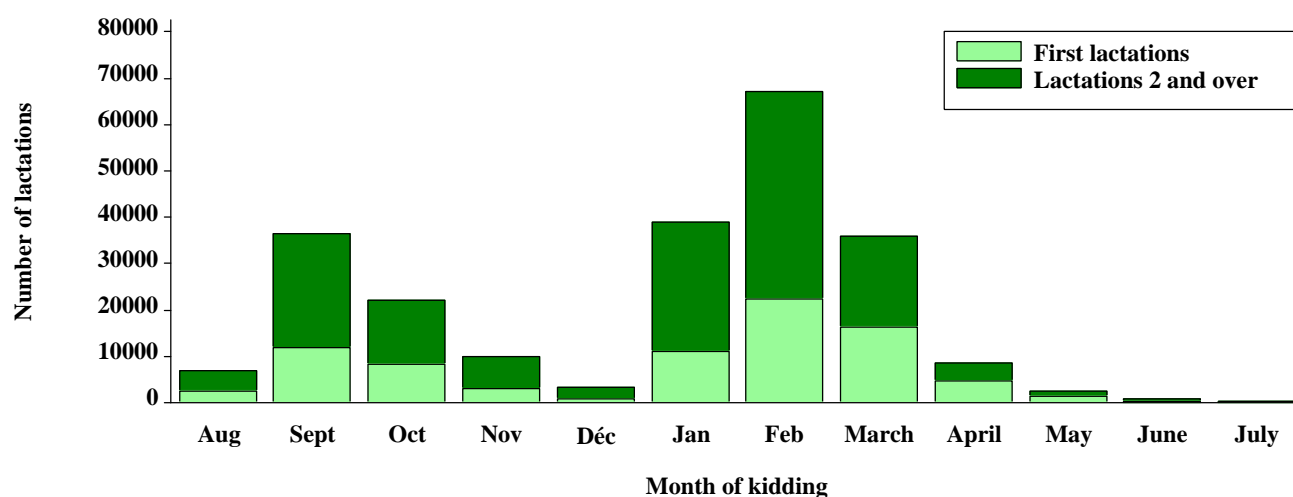
## 2.3 - Distribution of lactations according to the month of kidding

### 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	2,529	3.1	358	1,039	35.2	33.9	40.9	39.3
September	11,727	14.2	345	1,050	35.5	33.8	41.4	39.5
October	8,183	9.9	349	988	33.4	33.8	39.0	39.5
November	2,884	3.5	350	1,005	33.9	33.7	39.7	39.5
December	871	1.1	339	981	33.0	33.6	37.9	38.6
January	11,121	13.5	337	1,001	33.4	33.4	38.3	38.3
February	22,476	27.2	334	940	31.4	33.5	36.1	38.5
March	16,276	19.7	317	885	29.4	33.2	33.4	37.7
April	4,673	5.7	311	861	28.9	33.5	32.5	37.7
May	1,423	1.7	310	879	29.4	33.5	33.2	37.8
June	306	0.4	251	692	23.0	33.2	26.6	38.4
July	155	0.2	283	760	25.7	33.8	29.2	38.5
<b>Overall total</b>	<b>82,624</b>	<b>100</b>	<b>333</b>	<b>957</b>	<b>32.1</b>	<b>33.5</b>	<b>36.9</b>	<b>38.6</b>

### 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	4,325	2.9	324	1,029	34.9	33.9	38.7	37.6
September	24,794	16.5	319	1,013	34.5	34.0	38.3	37.8
October	13,877	9.2	315	964	32.8	34.0	36.9	38.2
November	7,029	4.7	311	955	32.2	33.7	36.4	38.1
December	2,400	1.6	319	1,020	34.2	33.6	37.6	36.9
January	27,881	18.6	320	1,084	35.9	33.1	39.9	36.8
February	44,791	29.8	314	1,010	33.3	32.9	37.1	36.7
March	19,499	13.0	303	951	31.2	32.8	34.3	36.1
April	3,967	2.6	296	919	30.4	33.1	33.2	36.2
May	1,051	0.7	287	897	29.8	33.2	32.2	35.9
June	493	0.3	275	848	28.1	33.2	32.1	37.8
July	184	0.1	252	821	26.8	32.6	30.9	37.6
<b>Overall total</b>	<b>150,291</b>	<b>100</b>	<b>314</b>	<b>1,007</b>	<b>33.5</b>	<b>33.3</b>	<b>37.3</b>	<b>37.0</b>

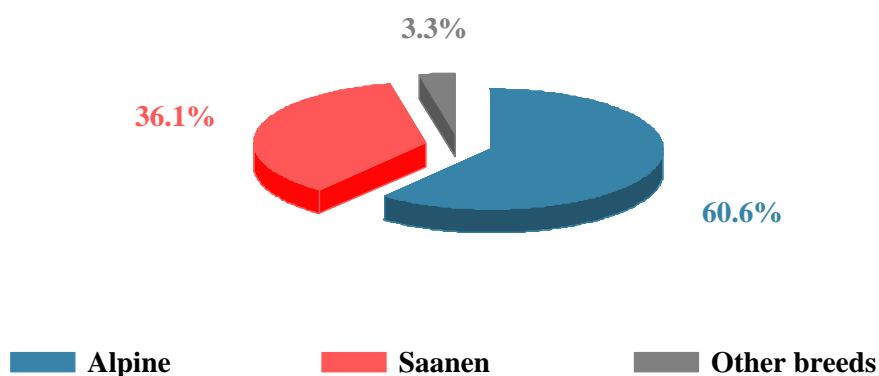


## III - RESULTS PER BREED

### 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	141,225	318	974	33.0	33.8	37.2	<b>38.2</b>	393	2.5
Saanen	83,969	328	1,028	33.6	32.7	37.6	<b>36.6</b>	403	2.4
Crossbred	6,518	317	895	29.7	33.2	33.6	<b>37.5</b>	407	2.5
Poitevine	451	262	484	14.9	30.7	17.0	<b>35.2</b>	387	3.5
Chèvre des Savoie	306	241	462	13.3	28.7	15.8	<b>34.1</b>	376	3.2
Massif Central	79	255	437	12.9	29.5	17.3	<b>39.5</b>	355	3.4
Pyrénéenne	65	207	197	5.7	29.1	7.1	<b>36.0</b>	372	3.6
Other breeds	302	249	543	17.0	31.4	20.8	<b>38.2</b>	433	2.7
<b>Overall total</b>	<b>232,915</b>	<b>321</b>	<b>989</b>	<b>33.0</b>	<b>33.4</b>	<b>37.1</b>	<b>37.6</b>	<b>397</b>	<b>2.4</b>



#### 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	141,225	250	814	33.2	37.6
Saanen	83,969	250	811	32.2	36.2
Crossbred	6,518	250	722	32.6	37.0
Poitevine	451	230	450	30.3	34.9
Chèvre des Savoie	306	150	325	28.5	34.2
Massif Central	79	150	299	28.1	38.5
Pyrénéenne	65	170	167	28.6	35.7
Other breeds	302	150	364	30.4	38.1
<b>Overall total</b>	<b>232,915</b>		<b>808</b>	<b>32.8</b>	<b>37.1</b>

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	47,405	392
Saanen	29,024	386
Crossbred	2,143	398
Poitevine	89	420
Chèvre des Savoie	85	416
Massif Central	19	NS*
Pyrénéenne	6	NS*
Other breeds	86	418

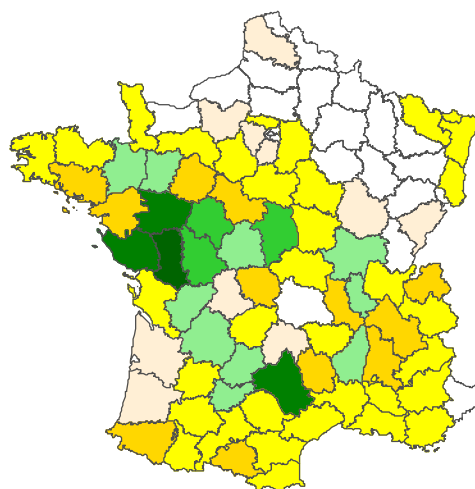
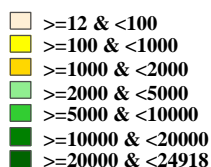
\*NS : Not significant (cf. paragraph « Data processing » page 2 for details).



## 3.2 - Results per breed

Breed ALPINE (French breed code: 13)

Geographical distribution of qualified lactations of Alpine breed

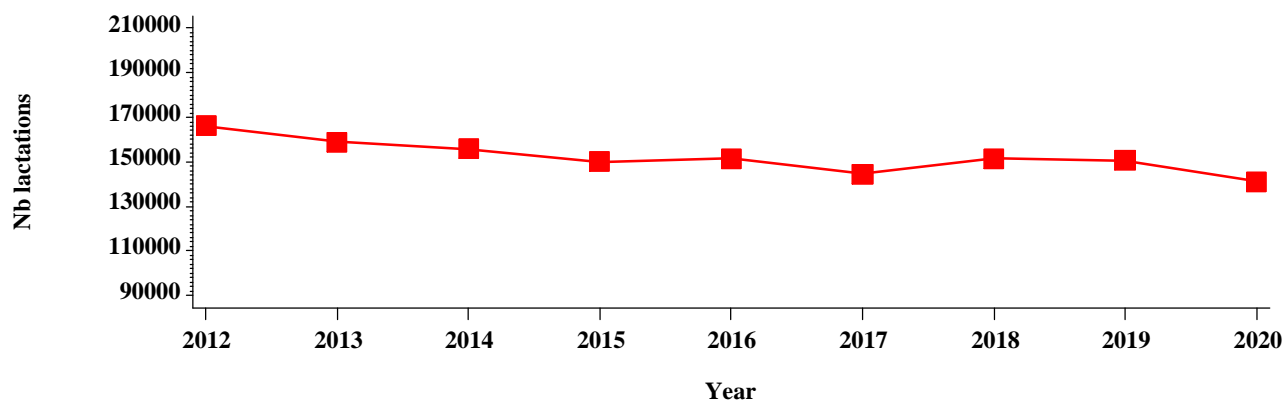


	First lactations	Lactations 2 and over	All lactations	Number of herds for Alpine breed*
Number of lactations	49,472	91,753	141,225	<b>1,152</b>
Lactation duration <i>days</i>	328	312	318	
Milk yield <i>kg</i>	914	1,007	974	
True protein content <i>kg</i>	31.1	34.0	33.0	
True protein % <i>g/kg</i>	34.0	33.8	33.8	
Fat content <i>kg</i>	35.9	37.9	37.2	
Fat % <i>g/kg</i>	39.3	37.7	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 goats	35.0	25.8	17.4	10.3	5.8	3.0	1.5	1.2

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 %	Fat %	Lactations		Lactation duration	Milk yield	True protein %	Fat %
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August	1,131	2.3	348	<b>941</b>	34.6	40.6	1,987	2.2	323	<b>999</b>	34.6	38.4
September	5,734	11.6	334	<b>979</b>	34.4	40.5	12,958	14.1	317	<b>1,005</b>	34.6	38.7
October	5,136	10.4	341	<b>944</b>	34.3	40.1	7,906	8.6	314	<b>969</b>	34.7	38.9
November	1,529	3.1	344	<b>976</b>	34.5	40.0	3,738	4.1	313	<b>969</b>	34.5	38.8
December	498	1.0	328	<b>952</b>	34.3	39.9	1,434	1.6	315	<b>1,059</b>	34.0	37.4
January	6,193	12.5	334	<b>963</b>	34.1	39.3	18,036	19.7	317	<b>1,092</b>	33.6	37.6
February	14,667	29.6	334	<b>920</b>	34.0	39.0	29,371	32.0	313	<b>1,006</b>	33.3	37.3
March	10,521	21.3	313	<b>847</b>	33.6	38.3	13,021	14.2	303	<b>950</b>	33.2	36.6
April	2,862	5.8	312	<b>847</b>	34.2	38.4	2,317	2.5	300	<b>924</b>	33.7	36.8
May	926	1.9	282	<b>765</b>	34.0	38.3	583	0.6	282	<b>891</b>	33.9	36.6
June	182	0.4	264	<b>711</b>	33.6	38.6	274	0.3	271	<b>838</b>	33.5	37.7
July	93	0.2	270	<b>712</b>	34.5	39.2	128	0.1	259	<b>864</b>	32.7	38.2
<b>Overall total</b>	<b>49,472</b>	<b>100</b>	<b>328</b>	<b>914</b>	<b>34.0</b>	<b>39.3</b>	<b>91,753</b>	<b>100</b>	<b>312</b>	<b>1,007</b>	<b>33.8</b>	<b>37.7</b>

### 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	413	0.8	370	<b>1,023</b>	35.0	39.2	250	<b>695</b>	33.6	38.2
>= 330 et < 365 days	11,768	23.8	338	<b>932</b>	34.1	39.6	250	<b>731</b>	33.2	38.9
>= 365 et < 420 days	28,916	58.4	325	<b>906</b>	34.0	39.3	250	<b>727</b>	33.2	38.6
>= 420 days	6,302	12.7	327	<b>958</b>	34.2	38.9	250	<b>689</b>	32.8	37.6
Age unknown	2,073	4.2	309	<b>763</b>	33.6	38.4	250	<b>623</b>	32.7	37.7
<b>Overall total</b>	<b>49,472</b>	<b>100</b>	<b>328</b>	<b>914</b>	<b>34.0</b>	<b>39.3</b>		<b>719</b>	<b>33.1</b>	<b>38.5</b>

### Distribution of primiparous per lactation duration

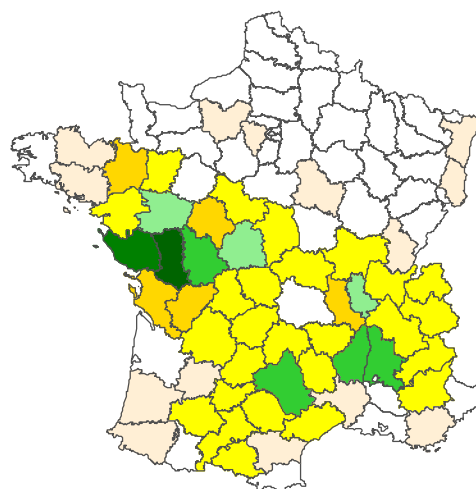
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % g/kg	Fat % g/kg	Reference duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
< 450 days	44,019	89.0	289	<b>799</b>	33.6	39.0	250	<b>711</b>	33.2	38.6
>= 450 days	5,453	11.0	645	<b>1,840</b>	35.5	40.3	250	<b>777</b>	32.9	38.2
<b>Overall total</b>	<b>49,472</b>	<b>100</b>	<b>328</b>	<b>914</b>	<b>34.0</b>	<b>39.3</b>		<b>719</b>	<b>33.1</b>	<b>38.5</b>



# Results per breed

Breed SAANEN (French breed code: 11)

Geographical distribution of qualified lactations of Saanen breed

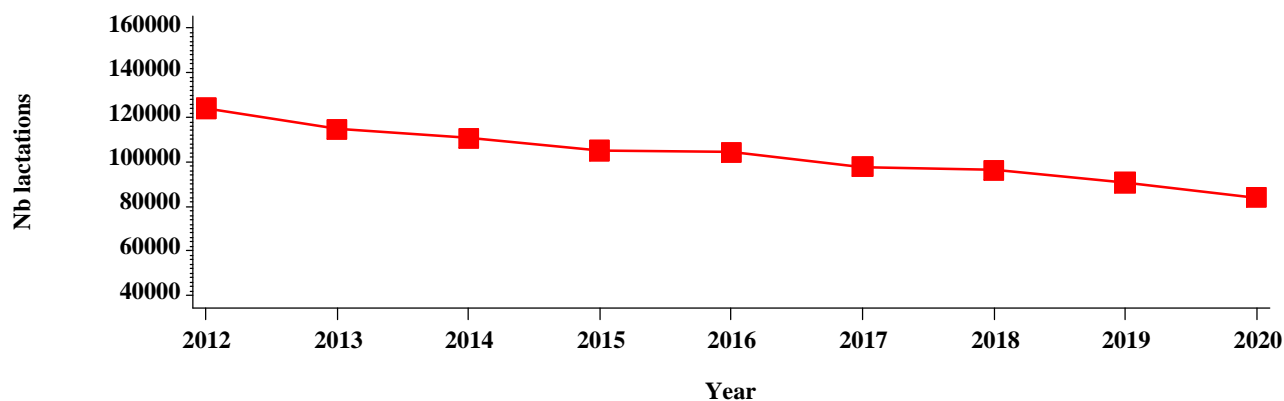


	First lactations	Lactations 2 and over	All lactations	Number of herds for Saanen breed*
Number of lactations	30,558	53,411	83,969	<b>769</b>
Lactation duration <i>days</i>	343	319	328	
Milk yield <i>kg</i>	1,039	1,021	1,028	
True protein content <i>kg</i>	34.1	33.3	33.6	
True protein % <i>g/kg</i>	32.8	32.6	32.7	
Fat content <i>kg</i>	39.1	36.8	37.6	
Fat % <i>g/kg</i>	37.7	36.0	36.6	

\* 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	36.4	26.3	17.3	10.1	5.4	2.6	1.1	0.8

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 %	Fat %	Lactations		Lactation duration	Milk yield	True protein %	Fat %
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August	1,335	4.4	365	<b>1,120</b>	33.3	38.4	2,224	4.2	325	<b>1,058</b>	33.3	36.9
September	5,736	18.8	358	<b>1,126</b>	33.3	38.6	11,105	20.8	323	<b>1,028</b>	33.4	36.9
October	2,813	9.2	365	<b>1,076</b>	33.1	38.6	5,460	10.2	318	<b>967</b>	32.9	37.2
November	1,276	4.2	355	<b>1,036</b>	32.9	39.0	2,999	5.6	312	<b>962</b>	32.9	37.1
December	330	1.1	354	<b>1,020</b>	32.6	36.9	884	1.7	326	<b>962</b>	32.9	35.9
January	4,745	15.5	342	<b>1,056</b>	32.6	37.2	9,148	17.1	327	<b>1,083</b>	32.2	35.2
February	7,005	22.9	336	<b>1,002</b>	32.6	37.4	13,836	25.9	320	<b>1,039</b>	32.2	35.5
March	5,119	16.8	326	<b>975</b>	32.5	36.8	5,660	10.6	308	<b>981</b>	32.1	34.9
April	1,593	5.2	315	<b>920</b>	32.5	36.7	1,451	2.7	292	<b>928</b>	32.1	35.1
May	457	1.5	372	<b>1,124</b>	32.8	37.1	409	0.8	296	<b>913</b>	32.4	34.9
June	97	0.3	231	<b>622</b>	32.3	36.8	198	0.4	277	<b>874</b>	32.8	38.0
July	52	0.2	305	<b>814</b>	32.8	37.0	37	0.1	264	<b>860</b>	32.1	36.1
<b>Overall total</b>	<b>30,558</b>	<b>100</b>	<b>343</b>	<b>1,039</b>	<b>32.8</b>	<b>37.7</b>	<b>53,411</b>	<b>100</b>	<b>319</b>	<b>1,021</b>	<b>32.6</b>	<b>36.0</b>

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	311	1.0	369	<b>1,069</b>	33.1	37.7	250	<b>725</b>	32.1	36.9
>= 330 et < 365 days	8,957	29.3	359	<b>1,103</b>	32.9	37.9	250	<b>764</b>	32.1	37.5
>= 365 et < 420 days	16,768	54.9	335	<b>1,005</b>	32.7	37.7	250	<b>753</b>	32.1	37.3
>= 420 days	2,985	9.8	342	<b>1,099</b>	32.8	37.1	250	<b>699</b>	31.7	36.2
Age unknown	1,537	5.0	338	<b>911</b>	32.7	37.0	250	<b>661</b>	31.8	36.3
<b>Overall total</b>	<b>30,558</b>	<b>100</b>	<b>343</b>	<b>1,039</b>	<b>32.8</b>	<b>37.7</b>		<b>746</b>	<b>32.0</b>	<b>37.2</b>

Distribution of primiparous per lactation duration

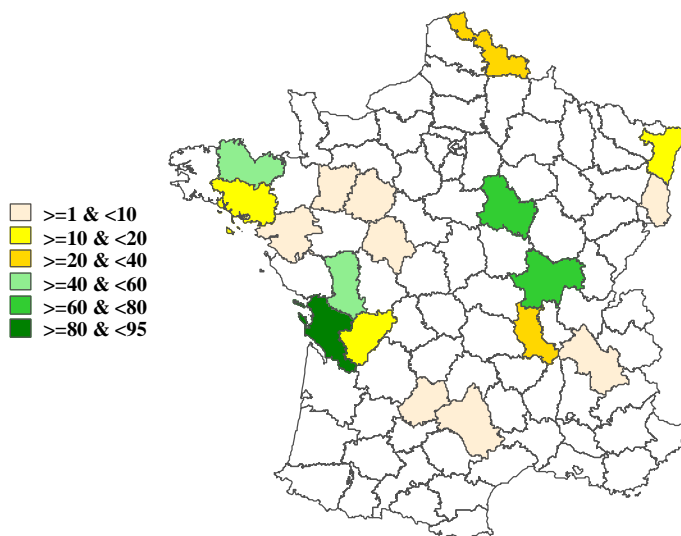
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % g/kg	Fat % g/kg	Reference duration days	Milk yield kg	True protein % g/kg	Fat % g/kg
< 450 days	26,486	86.7	292	<b>866</b>	32.5	37.5	250	<b>734</b>	32.1	37.2
>= 450 days	4,072	13.3	675	<b>2,161</b>	33.6	38.2	250	<b>824</b>	31.9	37.1
<b>Overall total</b>	<b>30,558</b>	<b>100</b>	<b>343</b>	<b>1,039</b>	<b>32.8</b>	<b>37.7</b>		<b>746</b>	<b>32.0</b>	<b>37.2</b>



# Results per breed

Breed POITEVINE (French breed code: 76)

Geographical distribution of qualified lactations of Poitevine breed

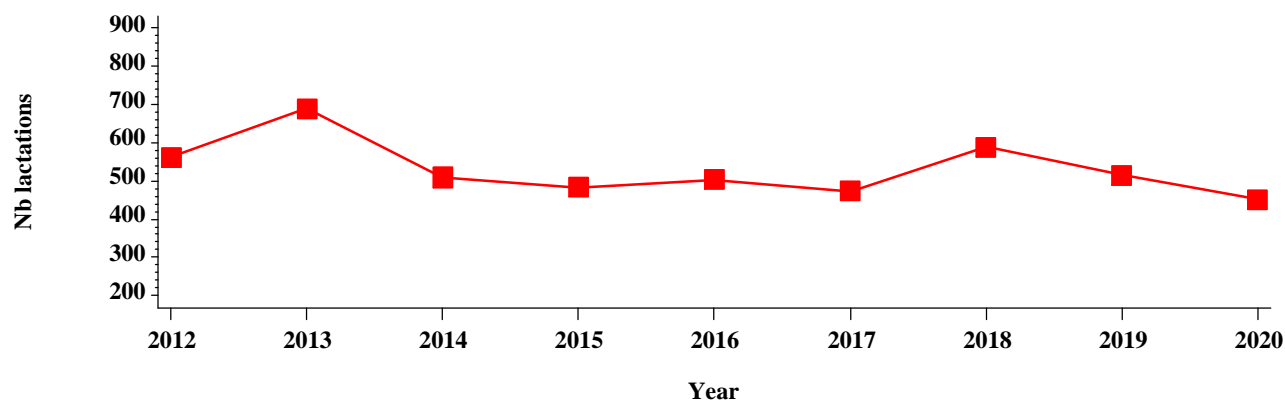


	First lactations	Lactations 2 and over	All lactations	Number of herds for Poitevine breed*
Number of lactations	96	355	451	28
Lactation duration <i>days</i>	257	263	262	
Milk yield <i>kg</i>	352	520	484	
True protein content <i>kg</i>	10.9	15.9	14.9	
True protein % <i>g/kg</i>	31.1	30.6	30.7	
Fat content <i>kg</i>	12.8	18.2	17.0	
Fat % <i>g/kg</i>	36.5	34.9	35.2	

\* 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 goats	21.3	17.1	19.5	9.3	15.3	9.5	2.9	5.1

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 % <sub>0</sub>	Fat % <sub>0</sub>	Lactations		Lactation duration	Milk yield	True protein % <sub>0</sub>	Fat % <sub>0</sub>
	Nb	%	days	kg	g/kg	g/kg	Nb	%	days	kg	g/kg	g/kg
August												
September												
October							17	4.8	173	341	31.7	40.3
November							6	1.7	160	304	30.7	40.1
December							1	0.3	301	669	34.3	39.2
January	1	1.0	166	227	28.5	40.7	9	2.5	283	508	29.5	33.0
February	27	28.1	263	349	31.2	37.7	144	40.6	279	521	31.2	35.4
March	49	51.0	263	337	30.7	35.6	131	36.9	271	568	30.1	33.5
April	17	17.7	244	424	32.1	36.7	38	10.7	248	516	30.4	36.4
May	1	1.0	198	207	30.2	47.9	7	2.0	191	357	28.7	35.9
June	1	1.0	161	200	25.5	27.0	2	0.6	169	152	33.9	47.0
July												
Overall total	96	100	257	352	31.1	36.5	355	100	263	520	30.6	34.9

Distribution of primiparous per age at kidding

Age at 1st kidding	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % <sub>0</sub> g/kg	Fat % <sub>0</sub> g/kg	Reference duration days	Milk yield kg	True protein % <sub>0</sub> g/kg	Fat % <sub>0</sub> g/kg
>= 240 et < 330 days	2	2.1	264	346	30.5	41.0	230	330	30.3	41.0
>= 330 et < 365 days	22	22.9	276	402	31.3	36.2	230	374	30.9	35.9
>= 365 et < 420 days	51	53.1	257	332	30.6	35.5	230	318	30.3	35.4
>= 420 days	14	14.6	227	452	31.8	38.5	230	345	30.2	37.4
Age unknown	7	7.3	250	143	32.7	39.0	230	133	32.4	38.5
Overall total	96	100	257	352	31.1	36.5		321	30.5	36.0

Distribution of primiparous per lactation duration

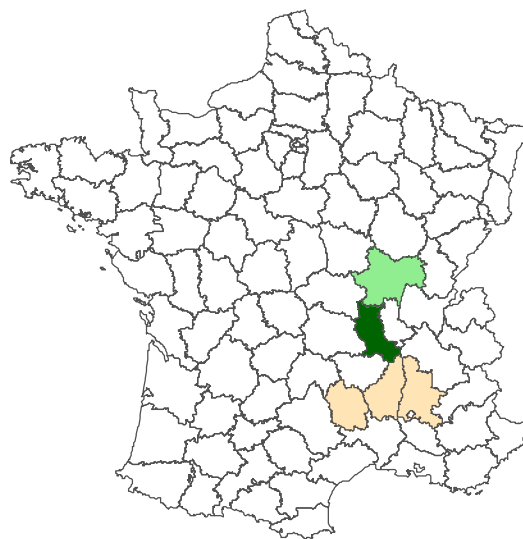
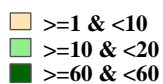
Lactation duration	Complete lactations						Reference lactations			
	Nb	%	Lactation duration days	Milk yield kg	True protein % <sub>0</sub> g/kg	Fat % <sub>0</sub> g/kg	Reference duration days	Milk yield kg	True protein % <sub>0</sub> g/kg	Fat % <sub>0</sub> g/kg
< 450 days	96	100	257	352	31.1	36.5	230	321	30.5	36.0
Overall total	96	100	257	352	31.1	36.5		321	30.5	36.0



# 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	19	60	79	<b>6</b>
Lactation duration <i>days</i>	234	261	255	
Milk yield <i>kg</i>	295	482	437	
True protein content <i>kg</i>	9.1	14.1	12.9	
True protein % <i>g/kg</i>	30.8	29.2	29.5	
Fat content <i>kg</i>	13.0	18.6	17.3	
Fat % <i>g/kg</i>	44.3	38.6	39.5	

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

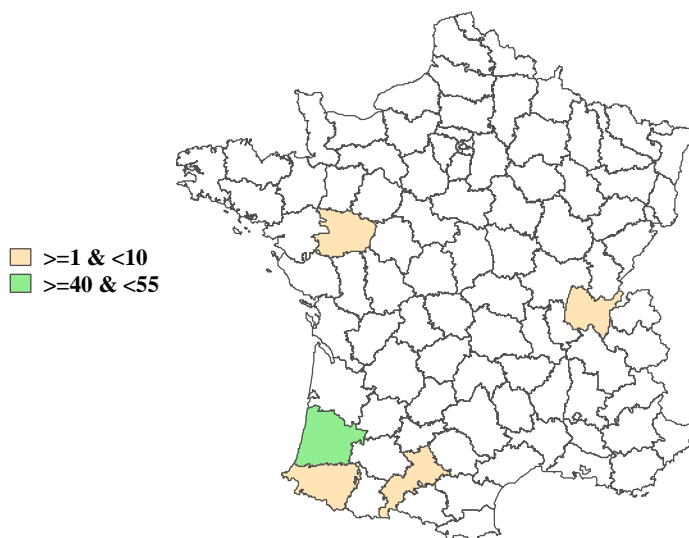
Parity	1	2	3	4	5	6	7	8 and over	Total
Number of lactations	19	21	12	5	5	4	7	6	79



# Résultats per breed

Breed PYRÉNÉENNE (French breed code: 42)

Geographical distribution of qualified lactations of Pyrénéenne breed



	First lactations	Lactations 2 and over	All lactations	Number of herds for Pyrénéenne breed*
Number of lactations	7	58	65	5
Lactation duration <i>days</i>	205	207	207	
Milk yield <i>kg</i>	158	201	197	
True protein content <i>kg</i>	4.7	5.8	5.7	
True protein % <i>g/kg</i>	29.9	29.0	29.1	
Fat content <i>kg</i>	6.1	7.2	7.1	
Fat % <i>g/kg</i>	38.6	35.8	36.0	

\* 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	7	25	2	9	11	2	4	5	65





## 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	568	0.2	298	722	23.4	32.4	25.9	35.9
Aquitaine	6,171	2.6	314	937	31.6	33.8	35.1	37.5
Auvergne	1,875	0.8	295	938	31.8	33.9	36.4	38.8
Basse Normandie	483	0.2	282	1,024	35.6	34.7	37.8	36.9
Bourgogne	3,892	1.7	302	794	26.2	33.0	29.6	37.3
Bretagne	6,348	2.7	322	961	32.2	33.5	35.2	36.7
Centre	25,267	10.8	323	988	33.5	33.9	37.6	38.0
Franche Comté	130	0.1	271	473	15.7	33.3	16.3	34.5
Haute Normandie	111	0.0	272	1,028	35.0	34.1	40.2	39.1
Ile de France	461	0.2	281	1,039	35.3	34.0	39.8	38.3
Languedoc Roussillon	4,337	1.9	315	825	27.8	33.7	30.6	37.1
Limousin	2,354	1.0	289	846	28.6	33.8	32.6	38.5
Lorraine	317	0.1	264	734	24.0	32.7	27.0	36.8
Midi-Pyrénées	29,497	12.7	316	923	30.9	33.5	34.0	36.8
Nord-Pas de Calais	60	0.0	228	812	28.6	35.2	31.8	39.1
Pays de la Loire	50,714	21.8	322	1,039	34.6	33.3	39.9	38.4
Poitou-Charentes	65,875	28.3	334	1,081	36.0	33.3	40.4	37.4
Provence Alpes Cote d'Azur	1,876	0.8	279	816	26.9	33.0	30.3	37.1
Rhône Alpes	32,579	14.0	308	876	28.9	33.0	32.4	37.0

### 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			18.1	10.9	1.6	10.6	36.6	19.0	2.5	0.5		0.2
Aquitaine	3.7	19.6	6.5	2.2	0.5	15.2	28.0	17.7	3.0	1.7	1.7	0.2
Auvergne	4.6	32.9	8.2	0.4	0.4	6.0	28.8	12.2	4.7	1.1	0.1	0.6
Basse Normandie		33.7	9.9	3.5		1.9	27.7	20.7	1.2	0.4	0.8	
Bourgogne	0.1	7.3	17.5	2.5	0.5	11.6	31.6	23.1	3.7	1.0	0.3	0.9
Bretagne	3.7	4.8	1.0	1.1	0.5	8.9	37.4	24.9	13.4	3.7	0.4	0.2
Centre	3.8	24.1	11.5	4.8	1.5	6.5	18.4	19.1	6.3	2.6	0.9	0.4
Franche Comté		0.8				2.3	41.5	47.7	4.6	1.5	0.8	0.8
Haute Normandie	29.7	9.9			0.9	4.5	17.1	6.3	1.8	0.9	18.9	9.9
Ile de France						28.6	40.6	16.3	12.1	2.0	0.4	
Languedoc Roussillon	6.0	5.3	6.8	2.1	0.5	4.2	27.7	31.2	12.1	3.2	0.6	0.2
Limousin	0.4	10.9	19.5	0.8	0.0	4.6	40.3	18.3	4.7	0.2	0.3	0.1
Lorraine							13.9	67.2	15.5	1.6	1.3	0.6
Midi-Pyrénées	1.8	13.8	17.4	6.7	2.8	19.6	20.8	12.6	3.6	0.9	0.1	0.0
Nord-Pas de Calais			25.0	8.3			1.7	35.0	25.0	3.3	1.7	
Pays de la Loire	1.5	8.8	2.3	1.1	0.3	23.7	43.0	16.0	2.4	0.7	0.1	0.0
Poitou-Charentes	3.2	20.1	10.2	5.9	1.7	17.3	25.9	12.4	2.7	0.5	0.1	0.1
Provence Alpes Cote d'Azur	1.4	14.2	4.7	0.2	1.2	23.0	25.2	23.4	4.8	1.4	0.2	0.2
Rhône Alpes	5.0	16.3	11.8	5.3	2.1	16.0	26.1	13.3	2.6	0.7	0.5	0.1

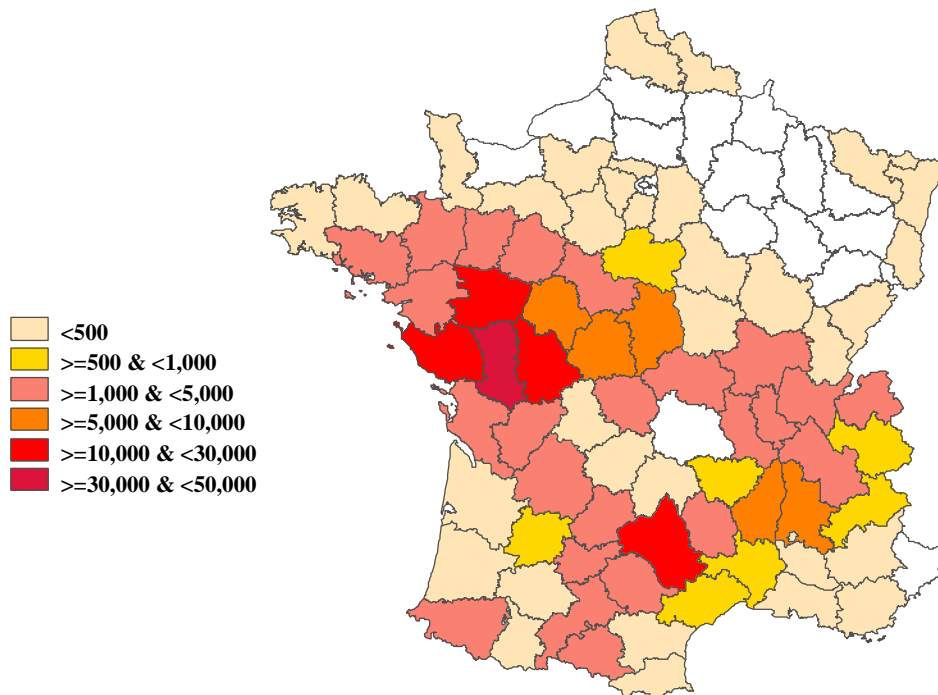




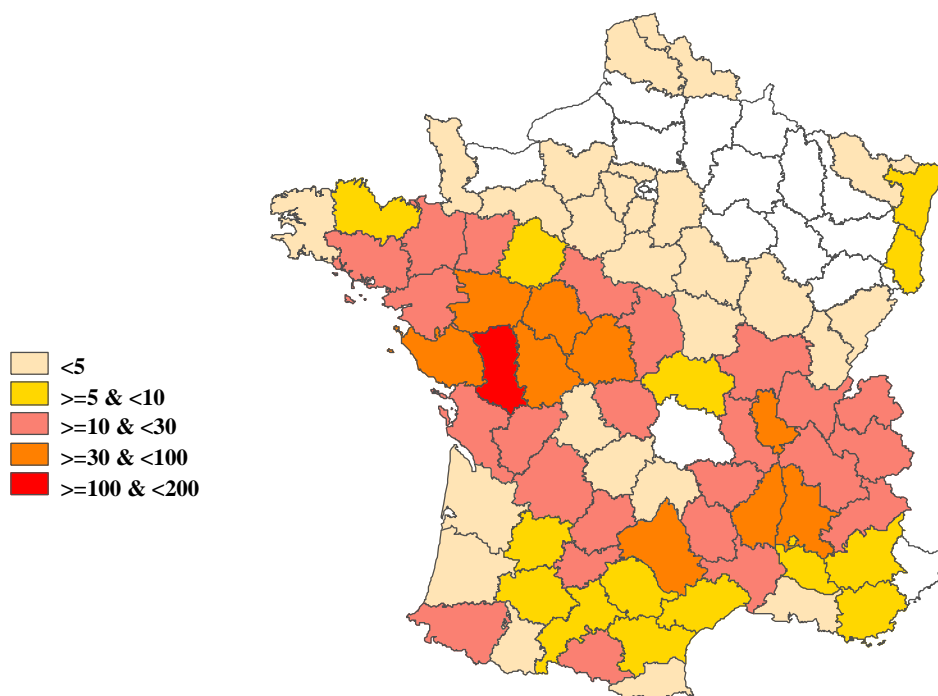
# V - RESULTATS PER LOCAL AREA (= FRENCH « DÉPARTEMENT »)

## 5.1 - Geographical distributions

Distribution of qualified lactations



Herd distribution (counted up with qualified lactations)



## 5.2 - Detailed results per local area

Local area <sup>1</sup>		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	16	1,165	73	266	676	32.7	37.5
03	Allier	9	1,023	114	283	886	33.9	38.3
04	Alpes Hte Provence	5	480	96	268	697	32.5	37.5
05	Hautes Alpes	12	904	75	291	814	32.5	38.0
07	Ardèche	81	9,689	120	311	872	32.7	37.3
09	Ariège	11	1,608	146	310	894	34.7	40.5
11	Aude	9	427	47	270	580	35.0	36.5
12	Aveyron	88	18,086	206	318	948	33.5	37.0
13	Bouches du Rhône	2	120	60				
15	Cantal	3	212	71	391	1,150	35.6	40.4
16	Charente	24	4,573	191	323	1,006	33.7	37.1
17	Charente Maritime	15	1,460	97	306	908	32.3	35.6
18	Cher	35	5,934	170	300	872	33.7	38.0
19	Corrèze	3	346	115	315	793	32.9	36.0
21	Côte d'Or	1	29	29				
22	Côtes d'Armor	7	315	45	324	832	34.5	36.0
23	Creuse	11	1,639	149	290	905	34.0	39.5
24	Dordogne	29	3,884	134	310	925	33.6	37.5
25	Doubs	3	119	40	283	495	33.3	34.3
26	Drôme	53	7,516	142	323	947	33.2	36.6
27	Eure	2	111	56				
28	Eure & Loir	4	110	28	292	936	34.1	36.4
29	Finistère	2	128	64				
30	Gard	11	574	52	366	1,060	33.8	36.7
31	Haute Garonne	7	1,069	153	352	951	33.2	36.8
32	Gers	7	496	71	282	733	32.8	35.9
33	Gironde	1	45	45				
34	Hérault	8	797	100	317	814	34.2	37.5
35	Ille & Vilaine	21	4,338	207	325	1,009	33.4	36.2
36	Indre	62	6,691	108	348	1,010	33.8	37.8
37	Indre & Loire	61	9,906	162	322	1,048	34.2	38.5
38	Isère	37	2,512	68	309	958	33.4	35.8
39	Jura	2	11	6				
40	Landes	2	124	62				
41	Loir & Cher	25	2,103	84	324	1,002	34.0	36.9
42	Loire	36	3,678	102	312	900	32.7	37.0
43	Haute Loire	12	640	53	283	951	33.1	38.9
44	Loire Atlantique	13	2,153	166	310	899	32.4	36.6
45	Loiret	3	523	174	301	839	32.9	36.5
46	Lot	23	3,586	156	314	822	33.4	35.2
47	Lot & Garonne	5	594	119	350	1,044	34.6	40.8
48	Lozère	25	2,373	95	317	843	33.4	37.1
49	Maine & Loire	76	19,146	252	324	1,055	33.7	39.2
50	Manche	1	183	183				
53	Mayenne	21	4,531	216	319	932	34.0	39.7
56	Morbihan	11	1,567	143	314	894	33.7	38.1
57	Moselle	4	317	79	264	734	32.7	36.8
58	Nièvre	1	243	243				

<sup>1</sup>Durations, 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 <sup>1</sup>	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	1	32	32				
61 Orne	2	300	150				
62 Pas de Calais	1	28	28				
64 Pyrénées Atlantiques	18	1,524	85	318	978	34.2	36.2
65 Hautes Pyrénées	1	123	123				
66 Pyrénées Orientales	3	166	55	220	435	33.1	38.6
67 Bas Rhin	6	276	46	294	706	32.0	36.1
68 Haut Rhin	5	292	58	300	736	32.7	35.7
69 Rhône	57	4,784	84	298	872	33.1	37.5
71 Saône & Loire	37	3,292	89	293	758	32.6	37.4
72 Sarthe	9	1,050	117	320	903	32.9	39.2
73 Savoie	18	874	49	299	740	32.8	36.8
74 Haute Savoie	42	2,361	56	283	700	33.1	37.8
77 Seine & Marne	3	219	73	275	1,174	34.1	39.7
78 Yvelines	1	128	128				
79 Deux Sèvres	183	47,868	262	335	1,084	33.3	37.3
81 Tarn	6	1,344	224	312	869	33.0	37.9
82 Tarn & Garonne	11	3,185	290	311	956	33.6	35.4
83 Var	7	210	30	256	670	33.8	34.4
84 Vaucluse	5	162	32	252	1,202	34.1	36.1
85 Vendée	92	23,834	259	323	1,065	32.9	37.7
86 Vienne	57	11,974	210	339	1,121	33.5	37.7
87 Haute Vienne	3	369	123	256	633	33.1	35.5
89 Yonne	3	328	109	376	1,070	33.9	37.2
91 Essonne	1	12	12				
95 Val d'Oise	1	102	102				

<sup>1</sup>Durations, 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 %		CZ %
01	Ain	13.0	86.9	0.1				1,165	
03	Allier		74.6	25.4				1,023	
04	Alpes Hte Provence	35.4	44.6	20.0				480	
05	Hautes Alpes		69.0	31.0				904	
07	Ardèche	4.7	86.2	9.1				9,689	
09	Ariège			100				1,608	
11	Aude	64.2		35.8				427	
12	Aveyron		86.4	13.6				18,086	
13	Bouches du Rhône			100				120	
15	Cantal			100				212	
16	Charente	25.1	9.4	65.5				4,573	
17	Charente Maritime	8.9	43.4				41.5	6.2	1,460
18	Cher	40.8	29.9	10.5	17.4	1.3			5,934
19	Corrèze		52.0	48.0					346
21	Côte d'Or	100							29
22	Côtes d'Armor	26.0	2.9	71.1					315
23	Creuse	51.6	30.8		17.6				1,639
24	Dordogne	4.6	44.2	51.3					3,884
25	Doubs	100							119
26	Drôme	1.5	86.9	11.5					7,516
27	Eure	100							111
28	Eure & Loir	100							110
29	Finistère	100							128
30	Gard		22.1	77.9					574
31	Haute Garonne		10.0	90.0					1,069
32	Gers			100					496
33	Gironde			100					45
34	Hérault	16.9		83.1					797
35	Ille & Vilaine	17.5	13.9	0.8	67.0	0.8			4,338
36	Indre	47.3	37.8	14.9				0.0	6,691
37	Indre & Loire	55.5	0.7		2.2	0.5	37.6	3.5	9,906
38	Isère	30.6	58.6	10.8					2,512
39	Jura	100							11
40	Landes			100					124
41	Loir & Cher	98.6		1.4					2,103
42	Loire	9.9	88.9	1.3					3,678
43	Haute Loire		73.4	26.6					640
44	Loire Atlantique	0.9	46.7	0.1			48.8	3.5	2,153
45	Loiret	1.9			96.9	1.1			523
46	Lot			100					3,586
47	Lot & Garonne			100					594
48	Lozère	2.3	35.7	62.0					2,373
49	Maine & Loire	19.8	16.5	9.1	2.3	0.1	36.0	16.2	19,146
50	Manche				100				183
53	Mayenne	23.3	7.0	18.1			13.2	38.4	4,531
56	Morbihan	66.2	22.4	7.8		3.5			1,567
57	Moselle	44.8	55.2						317
58	Nièvre	100							243
59	Nord	100							32
61	Orne	87.3		12.7					300



### 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							28
64	Pyrénées Atlantiques			100					1,524
65	Hautes Pyrénées			100					123
66	Pyrénées Orientales	70.5		29.5					166
67	Bas Rhin	100							276
68	Haut Rhin	100							292
69	Rhône	10.0	82.4	7.6					4,784
71	Saône & Loire	27.0	69.7	3.3					3,292
72	Sarthe	25.1	27.6	0.1	17.6		26.6	3.0	1,050
73	Savoie	76.2		23.8					874
74	Haute Savoie	65.4		34.6					2,361
77	Seine & Marne	100							219
78	Yvelines	100							128
79	Deux Sèvres	31.5		1.7	0.3	2.0	64.1	0.3	47,868
81	Tarn		87.9	12.1					1,344
82	Tarn & Garonne		85.6	14.4					3,185
83	Var	13.3	72.4	14.3					210
84	Vaucluse	0.6		99.4					162
85	Vendée	2.4	21.2	17.0		0.8	53.1	5.4	23,834
86	Vienne	33.0	11.9	50.8			4.3		11,974
87	Haute Vienne			100					369
89	Yonne	0.6		18.3	81.1				328
91	Essonne			100					12
95	Val d'Oise	100							102
<b>Overall total</b>		<b>21.7</b>	<b>30.0</b>	<b>17.6</b>	<b>2.6</b>	<b>0.6</b>	<b>24.5</b>	<b>2.9</b>	<b>232,915</b>



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

Local area	Breed <sup>1</sup>	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>
Ain	Saanen	5	161	280	675	34.9	31.4	250	610	34.4	30.9
	Alpine	15	865	275	670	38.1	33.1	250	614	37.9	32.7
	Crossbred	11	110	282	723	37.8	32.2	250	635	37.4	31.6
Allier	Saanen	5	249	294	789	36.0	32.8	250	675	35.5	32.5
	Alpine	7	653	303	931	39.0	34.3	250	795	38.8	33.9
	Crossbred	3	121	269	844	39.1	34.1	250	713	39.2	33.8
Alpes Hte Provence	Saanen	2	217	270	867	37.8	32.0	250	822	37.4	31.7
	Alpine	5	263	265	556	37.1	33.2	250	537	37.1	32.9
Hautes Alpes	Saanen	4	125	334	763	36.0	31.7	250	629	35.7	31.2
	Alpine	11	765	306	822	38.4	32.7	250	698	38.1	32.0
Ardèche	Saanen	54	5,471	325	897	36.9	32.3	250	739	36.6	32.0
	Alpine	51	3,864	300	846	38.1	33.4	250	754	37.8	32.9
	Crossbred	29	351	303	771	36.8	32.4	250	686	36.5	32.0
Ariège	Saanen	7	117	303	912	35.8	34.0	250	750	35.3	33.7
	Alpine	10	1,346	315	901	40.8	34.8	250	754	40.7	34.3
	Crossbred	6	123	315	852	42.0	35.1	250	669	41.6	34.5
Aude	Saanen	3	50	274	596	36.6	32.5	250	573	36.4	32.3
	Alpine	8	354	270	583	36.4	35.5	250	556	36.3	35.2
Aveyron	Saanen	46	5,865	304	856	35.1	32.2	250	763	34.9	31.9
	Alpine	72	11,822	323	995	37.7	34.0	250	845	37.3	33.5
	Crossbred	47	395	322	909	37.1	33.5	250	762	36.9	33.1
Bouches du Rhône	Alpine	2	119	303	1,033	35.6	34.3	250	930	35.5	33.9
Cantal	Saanen	3	124	366	1,082	38.8	34.5	250	789	38.2	33.5
	Alpine	1	88								
Charente	Saanen	12	1,405	325	1,048	34.7	32.2	250	864	34.2	31.8
	Alpine	22	3,037	324	987	38.3	34.5	250	824	38.0	34.0
	Crossbred	12	118	350	1,026	36.3	33.6	250	782	35.9	32.9
Charente Maritime	Saanen	10	1,174	321	978	35.5	32.2	250	784	34.7	31.6
	Alpine	11	165	257	729	35.9	32.9	250	668	35.5	32.5
	Poitevine	2	95	264	348	38.0	32.3	230	327	37.5	32.1
Cher	Saanen	6	557	357	1,093	37.6	33.9	250	788	37.5	33.6
	Alpine	33	5,312	308	848	38.1	33.7	250	722	37.8	33.3
	Crossbred	13	61	333	931	37.6	34.2	250	745	36.6	33.3
Corrèze	Saanen	2	168	337	891	37.3	33.6	250	684	37.7	33.2
	Alpine	2	178	292	700	34.4	32.1	250	662	34.2	31.8

<sup>1</sup>Durations, 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 <sup>1</sup>	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>
Côtes d'Armor	Alpine	6	249	339	973	36.4	34.8	250	780	35.9	34.0
	Poitevine	2	45	259	289	31.6	30.3	230	274	31.1	29.8
Creuse	Saanen	6	546	368	1,005	38.5	33.9	250	733	37.6	32.8
	Alpine	8	1,067	306	854	40.0	34.1	250	735	39.7	33.6
Dordogne	Saanen	10	666	307	978	36.2	32.7	250	857	35.7	32.3
	Alpine	26	3,182	312	917	37.9	33.7	250	807	37.8	33.4
Doubs	Alpine	3	91	285	470	32.9	34.2	250	445	32.5	33.8
Drôme	Saanen	44	5,451	328	970	36.1	32.9	250	785	36.0	32.6
	Alpine	21	1,567	337	933	38.3	34.1	250	749	38.2	33.6
	Crossbred	22	438	281	758	37.6	32.7	250	684	37.6	32.4
Eure	Alpine	2	42	343	899	39.6	34.6	250	639	38.4	33.7
Eure & Loir	Alpine	4	106	303	949	36.4	34.1	250	854	36.1	33.6
Finistère	Alpine	2	128	311	495	36.7	31.6	250	464	36.4	30.8
Gard	Saanen	5	72	512	1,509	34.2	32.6	250	747	33.3	31.3
	Alpine	10	458	381	1,026	37.4	34.1	250	710	35.9	32.5
	Crossbred	4	44	317	673	34.6	33.6	250	599	33.6	32.7
Haute Garonne	Saanen	4	645	408	1,127	36.8	32.4	250	697	36.6	31.9
	Alpine	7	396	303	679	36.5	35.3	250	555	35.9	34.3
Gers	Saanen	4	247	298	783	33.9	31.6	250	627	33.6	31.2
	Alpine	6	215	283	692	38.5	34.3	250	623	38.0	33.6
Hérault	Saanen	1	106								
	Alpine	8	689	309	820	37.9	34.2	250	697	37.2	33.6
Ille & Vilaine	Saanen	13	1,055	335	1,080	36.0	33.0	250	829	35.6	32.5
	Alpine	17	3,150	330	988	36.3	33.5	250	815	35.1	32.6
	Crossbred	16	133	324	922	36.6	33.7	250	754	35.6	32.8
Indre	Saanen	51	2,711	367	1,040	36.9	33.0	250	739	36.2	32.4
	Alpine	49	3,036	361	990	38.6	34.4	250	735	38.0	33.7
	Crossbred	40	944	365	987	37.8	33.9	250	715	37.4	33.3
Indre & Loire	Saanen	37	1,465	354	1,101	37.6	33.3	250	780	37.2	32.7
	Alpine	54	8,102	346	1,041	38.7	34.4	250	795	38.0	33.6
	Crossbred	32	334	348	976	38.8	34.0	250	707	38.0	33.2

<sup>1</sup>Durations, 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 <sup>1</sup>	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>
Isère	Saanen	11	821	327	<b>1,040</b>	<b>34.2</b>	<b>32.9</b>	250	<b>816</b>	33.7	32.3
	Alpine	29	1,462	313	<b>955</b>	<b>36.7</b>	<b>33.9</b>	250	<b>799</b>	36.4	33.1
	Crossbred	6	227	299	<b>683</b>	<b>37.0</b>	<b>32.2</b>	250	<b>593</b>	36.9	31.7
Landes	Alpine	1	62								
	Pyréenne	1	55								
Loir & Cher	Saanen	13	881	379	<b>1,149</b>	<b>36.0</b>	<b>34.5</b>	250	<b>801</b>	35.7	34.1
	Alpine	22	1,128	336	<b>875</b>	<b>37.7</b>	<b>33.5</b>	250	<b>632</b>	36.9	32.7
	Crossbred	7	94	378	<b>1,153</b>	<b>38.5</b>	<b>33.0</b>	250	<b>808</b>	37.5	32.3
Loire	Saanen	25	1,979	325	<b>980</b>	<b>36.4</b>	<b>32.6</b>	250	<b>811</b>	36.0	32.1
	Alpine	21	1,462	314	<b>846</b>	<b>37.9</b>	<b>33.0</b>	250	<b>726</b>	37.3	32.3
	Crossbred	9	152	288	<b>586</b>	<b>38.0</b>	<b>30.8</b>	250	<b>551</b>	38.0	30.4
	Massif Central	1	60								
Haute Loire	Saanen	7	167	280	<b>813</b>	<b>37.2</b>	<b>33.1</b>	250	<b>688</b>	37.0	32.8
	Alpine	10	461	296	<b>1,011</b>	<b>39.4</b>	<b>33.2</b>	250	<b>884</b>	39.3	32.9
Loire Atlantique	Saanen	5	726	335	<b>1,150</b>	<b>36.6</b>	<b>32.9</b>	250	<b>954</b>	35.9	32.4
	Alpine	12	1,410	297	<b>770</b>	<b>36.6</b>	<b>32.1</b>	250	<b>700</b>	36.2	31.6
Loiret	Alpine	3	522	300	<b>839</b>	<b>36.5</b>	<b>32.9</b>	250	<b>764</b>	36.2	32.6
Lot	Saanen	10	881	318	<b>804</b>	<b>33.4</b>	<b>32.3</b>	250	<b>679</b>	33.0	31.8
	Alpine	19	2,665	315	<b>831</b>	<b>35.7</b>	<b>33.8</b>	250	<b>721</b>	35.3	33.3
Lot & Garonne	Alpine	4	589	353	<b>1,046</b>	<b>40.9</b>	<b>34.6</b>	250	<b>813</b>	39.6	33.5
Lozère	Saanen	12	679	314	<b>927</b>	<b>36.0</b>	<b>32.6</b>	250	<b>785</b>	35.5	32.2
	Alpine	23	1,683	319	<b>811</b>	<b>37.6</b>	<b>33.9</b>	250	<b>700</b>	37.1	33.1
Maine & Loire	Saanen	21	3,094	338	<b>1,100</b>	<b>37.5</b>	<b>32.9</b>	250	<b>865</b>	37.0	32.3
	Alpine	69	15,756	324	<b>1,047</b>	<b>39.6</b>	<b>33.9</b>	250	<b>884</b>	38.9	33.2
	Crossbred	23	295	322	<b>1,005</b>	<b>38.2</b>	<b>33.0</b>	250	<b>852</b>	37.2	32.3
Manche	Alpine	1	181								
Mayenne	Saanen	6	669	304	<b>838</b>	<b>39.3</b>	<b>33.2</b>	250	<b>736</b>	39.5	33.2
	Alpine	20	3,780	323	<b>955</b>	<b>39.8</b>	<b>34.1</b>	250	<b>799</b>	39.1	33.4
	Crossbred	10	77	295	<b>660</b>	<b>37.6</b>	<b>32.7</b>	250	<b>617</b>	37.2	32.3
Morbihan	Alpine	11	1,491	314	<b>903</b>	<b>38.3</b>	<b>33.7</b>	250	<b>777</b>	37.8	33.1
Moselle	Alpine	4	317	264	<b>734</b>	<b>36.8</b>	<b>32.7</b>	250	<b>696</b>	36.4	32.1

<sup>1</sup>Durations, 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 <sup>1</sup>	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>
Nièvre	Alpine	1	243								
Orne	Alpine	2	273	357	1,132	36.1	35.0	250	860	34.9	33.7
Pyrénées Atlantiques	Saanen	4	44	269	1,095	31.2	31.0	250	1,049	31.0	30.9
	Alpine	18	1,478	320	975	36.4	34.3	250	836	35.8	33.7
Hautes Pyrénées	Alpine	1	123								
Pyrénées Orientales	Alpine	3	155	219	440	38.6	33.1	250	440	38.6	33.1
Bas Rhin	Alpine	5	192	300	742	36.3	32.5	250	614	35.9	31.8
Haut Rhin	Alpine	4	279	308	750	35.7	32.8	250	661	35.5	32.4
Rhône	Saanen	29	2,178	311	914	35.8	32.3	250	768	35.8	32.0
	Alpine	44	2,513	317	839	39.1	33.9	250	708	38.5	33.1
	Crossbred	15	93	305	753	37.1	32.3	250	638	36.9	31.8
Saône & Loire	Saanen	9	548	304	719	35.2	31.8	250	621	35.0	31.4
	Alpine	34	2,539	310	783	37.8	32.9	250	670	37.3	32.2
	Crossbred	14	124	288	643	38.5	32.1	250	571	38.4	31.6
	Poitevine	3	67	251	485	37.8	30.9	230	465	37.8	30.8
Sarthe	Alpine	9	1,044	319	905	39.2	32.9	250	766	38.4	32.2
Savoie	Saanen	8	300	401	1,114	36.3	33.0	250	611	35.4	31.9
	Alpine	15	389	257	606	37.6	33.3	250	558	37.5	32.9
	Crossbred	8	54	237	318	39.6	32.3	250	311	39.4	32.2
	Chèvre des Savoie	3	68	257	420	36.0	29.7	150	288	35.6	28.9
Haute Savoie	Saanen	19	387	303	717	35.7	31.9	250	606	35.5	31.4
	Alpine	37	1,557	293	740	38.7	34.1	250	644	38.5	33.6
	Crossbred	12	113	296	714	37.9	31.3	250	641	38.0	31.0
	Chèvre des Savoie	6	236	238	466	33.6	28.4	150	328	33.9	28.4
Seine & Marne	Alpine	3	219	306	1,174	39.7	34.1	250	1,049	39.4	33.3
Yvelines	Alpine	1	89								
Deux Sèvres	Saanen	119	22,122	340	1,086	36.7	32.8	250	849	36.2	32.3
	Alpine	113	24,918	330	1,081	38.0	33.7	250	899	37.4	33.1
	Crossbred	56	771	359	1,111	37.0	33.0	250	829	36.2	32.3
	Poitevine	3	56	288	651	31.5	31.1	230	597	31.1	30.6
Tarn	Saanen	5	987	314	870	37.7	32.9	250	748	37.7	32.7
	Alpine	5	328	310	863	38.6	33.3	250	768	38.3	33.0

<sup>1</sup>Durations, 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 <sup>1</sup>	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>
Tarn & Garonne	Saanen	7	130	299	<b>1,012</b>	<b>34.9</b>	<b>32.7</b>	250	<b>923</b>	34.5	32.5
	Alpine	11	2,966	312	<b>953</b>	<b>35.4</b>	<b>33.6</b>	250	<b>837</b>	35.0	33.3
	Crossbred	6	89	307	<b>967</b>	<b>36.4</b>	<b>33.2</b>	250	<b>871</b>	36.5	33.2
Var	Alpine	7	180	265	<b>717</b>	<b>34.2</b>	<b>33.9</b>	250	<b>672</b>	34.0	33.4
Vaucluse	Alpine	5	155	397	<b>1,234</b>	<b>36.1</b>	<b>34.1</b>	250	<b>718</b>	35.1	33.2
Vendée	Saanen	65	12,363	341	<b>1,089</b>	<b>37.2</b>	<b>32.4</b>	250	<b>858</b>	36.6	31.8
	Alpine	61	11,290	322	<b>1,040</b>	<b>38.3</b>	<b>33.4</b>	250	<b>871</b>	37.7	32.8
	Crossbred	28	176	327	<b>1,001</b>	<b>36.5</b>	<b>32.2</b>	250	<b>826</b>	36.0	31.8
Vienne	Saanen	41	5,913	356	<b>1,183</b>	<b>37.4</b>	<b>32.6</b>	250	<b>860</b>	37.1	32.1
	Alpine	41	5,499	329	<b>1,066</b>	<b>38.1</b>	<b>34.6</b>	250	<b>853</b>	37.7	34.0
	Crossbred	19	562	327	<b>1,002</b>	<b>36.7</b>	<b>33.4</b>	250	<b>821</b>	36.3	32.9
Haute Vienne	Saanen	3	273	256	<b>658</b>	<b>35.5</b>	<b>32.9</b>	250	<b>621</b>	35.0	32.4
	Alpine	3	76	260	<b>601</b>	<b>35.1</b>	<b>33.8</b>	250	<b>566</b>	34.7	33.4
Yonne	Alpine	2	238	413	<b>1,203</b>	<b>37.8</b>	<b>34.7</b>	250	<b>798</b>	36.5	33.5
	Poitevine	1	60								
Val d'Oise	Alpine	1	102								

<sup>1</sup>Durations, 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

### France 2020

**CATTLE:** 34,793 herds provided 2,200,652 qualified lactations in 2020. With a decrease of 5.2% of the herd number and of 5.7% of the qualified lactations these figures confirm the trend observed since a few years. The three main French national breeds (Prim'Holstein, Montbéliarde and Normande) represent henceforth 91% of the total of qualified lactations (-0.6% compared to 2019). With 46.8% the percentage of herds with more than 60 qualified lactations slightly decrease in 2020 (47.5% in 2019, 45.1% in 2018 and 40.1% in 2017). The part of the qualified lactations they represent follow the same trend and decrease to 68.6% (69 % in 2019, 66.9% in 2018 and 63.1% in 2017). With an average milk production for complete lactations at 8,707 Kg, the milk yield is increasing in 2020 (+ 261kg). In the same time the average lactation duration is increasing to reach 339 days (+5 days). Mean fat and protein rates reach respectively to 40.5 g/kg for fat (+0.4) and 32.8 g/kg for proteins (+0.3). The increasing milk, fat and protein yields observed in 2020 must be seen in relation to the evolution of the causes of non-qualification in force since March 2020 and the impact of which will be to confirm in the coming years. The noticeable improvement in somatic cell count situation observed for several years is confirmed. 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 40.8% et 12.3%.

**GOAT :** The number of qualified lactations and the number of flocks are slightly decreasing in 2020 to reach 231,915 lactations (-16,664 lactations -6.7%) and 1,473 flocks (-1.3%). In 2020, 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 35.5% (+1.7) confirming the trend observed since 2018 (+0.8% in 2019). The milk yield reach 989 Kg per lactation (+26 Kg). This increasing of the milk yield occurs in conjunction with a long lactation duration at 321 days, confirming the increase observed for a few years (298 days in 2014). Meanwhile true-protein and fat rates are still increasing and reaches respectively 33.4 g/Kg (+0.2) and 37.6 g/Kg (+0.1).

**SHEEP :** The total number of ewes present at the lambing period reached 330,431 in 2020, that is quite similar to the previous year (+ 0.3%). At the same time the total number of ewes with lactation calculation is stable at 278,442 (+0.01%). This stability confirms the trend observed the previous year and puts an end to the increase observed from 2016 to 2018 (+22,000 ewes over 3 years). 750 flocks are counted up today in Official Milk Recording, which means a decrease of 10 flocks compared to the previous year. Meanwhile, the average size of flock still progressed in 2020 (441 ewes present at the lambing period in average versus 433 ewes in 2019 and 428 ewes in 2018). In 2020 the average milk yield is increasing for the Lacaune breed (+9.2 liters) and for the Corsican breed (+1.3 liter), is stable for the "Manech tête noire" breed (-0.1 liter) and is decreasing for the "Manech tête Rousse" breed (-3.2 liters) and for the "Basco Béarnaise" breed (-3.8 liters). At the national level the milk yield reached 291.6 liters (+5.3 liters) in 169 days in milking-only period (identical duration to the previous year). 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). 1,232 flocks and 556,929 ewes present at the lambing period were submitted to D recording in 2020.

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