



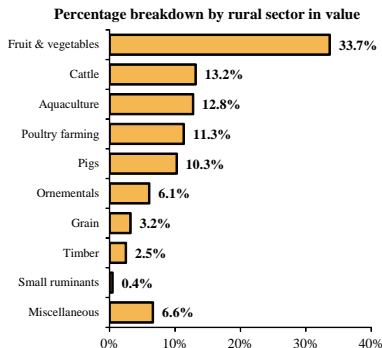
# Agricultural Memento Data 2019

Picture : ©N.Petit - DAFE/PES

209, rue Auguste Bénébig - Haut Magenta  
BP M2 - 98849 NOUMEA Cedex  
Tel.: (687) 25.51.41 . Fax: (687) 25.51.29  
E-mail: [davar.sar-stats@gouv.nc](mailto:davar.sar-stats@gouv.nc)  
Internet : <http://www.davar.gouv.nc>

July 2020

# FINAL AGRICULTURAL PRODUCTION IN 2019

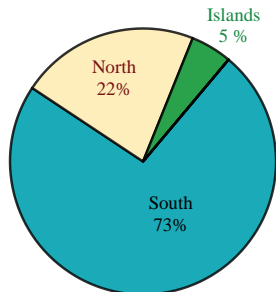
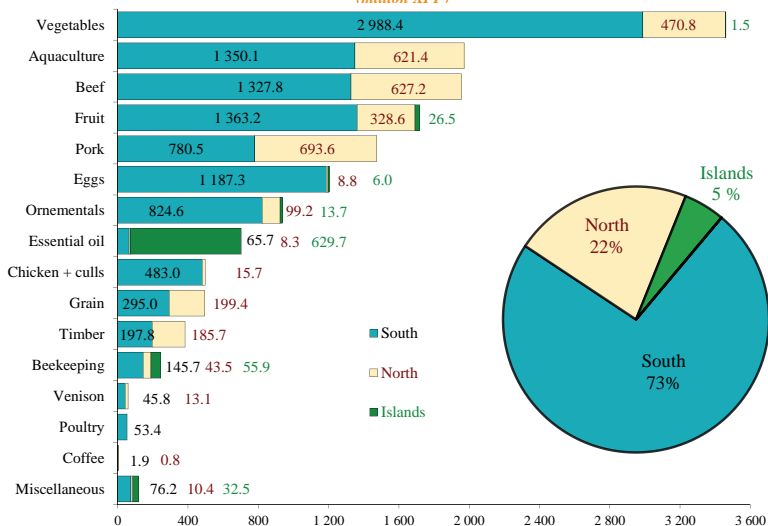


	Value in million XPF	
	2019	Evol/18
Vegetable production	7 380.4	3.6%
Animal production	5 724.3	8.1%
<b>Total agriculture</b>	<b>13 104.7</b>	<b>5.5%</b>
Aquaculture	1 971.5	1.4%
Timber	383.5	-0.2%
<b>Total Rural sector</b>	<b>15 459.7</b>	<b>4.8%</b>

Sources : Agence Rurale, ARBOFRUITS, Chamber of agriculture, DAVAR, FCTE, GAPCE, GFA, Maison de la vanille, OCEF, provinces, SUD FORET, UPRA bovine, porcine, équine, ovine et caprine.

## Marketed agricultural production, breakdown by Province

(million XPF)



**Abbreviations** (for all memento tables) :

/// : due to product specificities or non comparable quantities, no realistic figure may be quoted.

**Evol/18** : trends shown in the 2019 memento are calculated in relation to the revised 2018 figures, which are sometimes different from those published in the memento of July 2019.



# ANIMAL PRODUCTION

## Marketed production in 2019

	Value in million XPF		Tons or Units	
	2019	Evol/18	2019	Evol/18
<b>Cattle</b>	<b>2 034.7</b>	<b>16.2%</b>		
meat	1 981.4	16.8%	3 214.0	11.3%
<i>OCEF only</i>	1 714.5	20.2%	2 740.8	14.8%
<i>service provision only</i>	12.6	40.8%	33.2	47.1%
<i>local butchers only</i>	254.3	-2.4%	440.0	-7.7%
milk	53.3	-1.2%	444.6 <sup>(1)</sup>	-1.1%
<b>Poultry farming</b>	<b>1 754.1</b>	<b>4.6%</b>		
eggs	1 202.1	9.5%	39.6 <sup>(2)</sup>	11.2%
chicken + culling	498.7	-9.6%	595.3	-19.8%
barnyard <sup>(3)</sup>	53.4	97.3%	31.3	38.3%
<b>Pigs</b>	<b>1 586.3</b>	<b>1.3%</b>		
meat	1 586.3	1.3%	2 791.3	-3.9%
<i>OCEF only</i>	1 172.8	8.8%	1 967.2	3.0%
<i>service provision only</i>	112.2	32.1%	213.7	25.6%
<i>local butchers only</i>	301.4	-25.1%	610.4	-26.0%
<b>Small ruminants</b>	<b>69.1</b>	<b>14.9%</b>	<b>137.8</b>	<b>13.4%</b>
venison	58.9	10.3%	122.5	10.3%
mutton and goat meat	10.1	50.9%	15.3	46.1%
<b>Horse breeding<sup>(4)</sup></b>	<b>27.4</b>	<b>-14.1%</b>		
<b>Live animals exports</b>	<b>7.5</b>	<b>519.4%</b>	<b>3 505 u</b>	<b>///</b>
<b>Beekeeping<sup>(5)</sup></b>	<b>245.1</b>	<b>17.5%</b>	<b>135.1</b>	<b>13.5%</b>
<b>Animal production (agriculture)</b>	<b>5 724.3</b>	<b>8.1%</b>		
<b>Aquaculture</b>	<b>1 971.5</b>	<b>1.4%</b>		
Prawns	1 960.5	5.0%	1 496.8	-1.6%
Sea cucumbers	1.8	-97.2%	2.8	-97.2%
Red emperors	9.2	-31.1%	7.1	-42.3%

(1) unit : thousands of liters of milk.

(2) unit : million eggs.

(3) including rabbits and game birds.

(4) estimated value. Note : 132 births declared in 2019, of which 77 in the South Province, 29 in the North Province and 26 by artificial insemination.

(5) estimated value (honey and other bee products).

Sources : Agence Rurale, ADECAL, DAVAR, GFA, OCEF, provinces, UPRA bovine, porcine, équine, ovine et caprine.

## The exports in 2019 :

- **829.7 tons of prawns** (+1.6% compared to 2018)

- **3505 exported animals** (chicks, horse and cattle)

- **11.1 tons of exported venison** in 2019 (+10% compared to 2018)

- **140 kg of dried sea cucumbers** (-97% compared to 2018)

Sources : ISEE-Direction régionale des Douanes (exported animals), Agence Rurale, OCEF, ADECAL/province Sud

## Pork sector : 32 126 pigs slaughtered (32 517 in 2018)

Average producer sale price : 586 XPF/kg (+5.5% compared to 2018)

Artificial insemination : Inseminated sows : **48** (39 in 2018)

Gestation rate (28 days) : **48%**

Sources : Agence Rurale, DAVAR, OCEF, UPRA porcine

## Bovine sector : 15 627 head slaughtered (14 802 in 2018)

Artificial inseminations (A.I.) and embryo transplants (E.T.) :

Number of A.I. : **816** (612 in 2018) Gestation rate (45 days) : **58%**

Number of E.T. : **82** (135 in 2018) Gestation rate (45 days) : **64%**

Sources : Agence Rurale, DAVAR, OCEF, UPRA bovine

Category	Carcass tonnage		Average producer price (XPF/kg)	
	2019	Evol/18	2019	Evol/18
Beef	2 082	17.1%	648	3.9%
Calves	1 132	2.0%	612	6.2%
<b>Total</b>	<b>3 214</b>	<b>11.3%</b>	<b>635</b>	<b>4.9%</b>



# PLANT PRODUCTION

(1) melon, watermelon, strawberry, raspberry.

(2) including pineapple, mango, lychee, pawpaw, avocado...

(3) main end products are 95 tons of oil and the equivalent of 65 tons of copra meal.

(4) equivalent dried vanilla

(5) Niaouli, sandalwood (exports data for sandalwood essential oils) and others.

(6) tonnage equivalent to 3 720 m<sup>3</sup> of lumber.

(7) produced units : posts, poles, stakes.

Marketed production in 2019	Value in million XPF		Tons or Units	
	2019	Evol/18	2019	Evol/18
<b>Supervised crops</b>	<b>902.7</b>	<b>-8.0%</b>	<b>14 223.7</b>	<b>-10.4%</b>
squash	153.6	-8.4%	2 765.4	-7.3%
potatoes	254.7	5.8%	2 484.7	-1.0%
grain	494.4	-13.6%	8 973.6	-13.5%
<b>Vegetables</b>	<b>3 064.8</b>	<b>-2.9%</b>	<b>9 768.3</b>	<b>1.2%</b>
fresh vegetable	2 658.9	-3.7%	8 592.5	-0.6%
dried onions	181.4	57.4%	663.1	57.5%
tropical tuber	224.5	-19.2%	512.7	-13.2%
<b>Fruits</b>	<b>1 730.7</b>	<b>25.5%</b>	<b>4 733.8</b>	<b>18.9%</b>
citrus fruit	482.6	33.3%	1 479.5	27.5%
openfield fruit <sup>(1)</sup>	483.1	32.5%	1 254.1	13.1%
bananas	350.9	18.3%	1 034.0	22.9%
others <sup>(2)</sup>	414.1	16.2%	966.2	10.8%
<b>Ornamentals</b>	<b>937.5</b>	<b>0.5%</b>		
<b>Coffee</b>	<b>2.7</b>	<b>-10.7%</b>	<b>2.0</b>	<b>-23.8%</b>
<b>Copra <sup>(3)</sup></b>	<b>21.6</b>	<b>24.1%</b>	<b>191.0</b>	<b>21.7%</b>
<b>Vanilla <sup>(4)</sup></b>	<b>16.6</b>	<b>-3.4%</b>	<b>0.8</b>	<b>-2.7%</b>
<b>Essential oils <sup>(5)</sup></b>	<b>703.8</b>	<b>10.6%</b>	<b>10.8</b>	<b>15.7%</b>
<b>Plant production</b>	<b>7 380.4</b>	<b>3.6%</b>		
<b>Timber</b>	<b>383.5</b>	<b>-0.2%</b>		
lumber	252.7	16.3%	2 792.5 <sup>(6)</sup>	18.9%
industrial timber	130.9	-21.6%	83 846 <sup>(7)</sup>	-21.6%

Sources : Agence Rurale, ARBOFRUITS, Chamber of agriculture, DAVAR, GAPCE, OCFE, Maison de la vanille, provinces, SUD FORET

## The exports in 2019 :

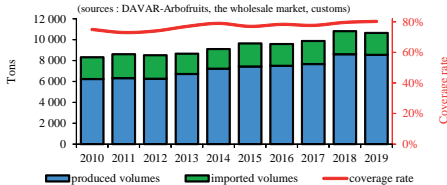
- **10.1 tons of essential oils** (sandalwood) (+17% compared to 2018)
- **2 775 tons of vegetables** (squashes and zucchini) (-7 % compared to 2018)
- **36.4 tons of fruits** (limes) (+123 % with regard to 2018)

Sources : ISEE-Direction régionales des douanes, Agence Rurale (vegetables and fruits)

## Evolution of fruits and fresh vegetables marked over a 10-year period

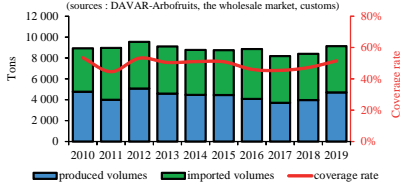
**Fresh vegetable : production, imports and cover of needs**

(sources : DAVAR-Arbofruits, the wholesale market, customs)



**Fresh fruit : production, imports and cover of needs**

(sources : DAVAR-Arbofruits, the wholesale market, customs)



# IMPORTS OF AGRICULTURAL PRODUCTS

(1) one unit equivalent to one thousand liters of milk.

(2) including rabbit meat.

(3) fresh eggs, hatching eggs and live animals.

(4) mutton.

(5) 21 imported horses.

(6) including dried fruits and vegetables.

(7) unit in equivalent tons of green coffee (according to the 2001 International Coffee Agreement), that is 849 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(8) 9 289 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 11 600 m<sup>3</sup>.

(9) oysters and oyster spats.

2019	Value*	Evol/18	Tons or Units (u)	Evol/18
<b>Cattle</b>	<b>1 487.5</b>	<b>-8.1%</b>	<b>1 768.4</b>	<b>-6.2%</b>
<b>Milk and dairy products</b>	<b>5 287.4</b>	<b>4.3%</b>	<b>90 264.6 <sup>(1)</sup></b>	<b>8.9%</b>
<b>Aviculture</b>	<b>2 548.8</b>	<b>-1.4%</b>		
chicken meat	2 195.6	2.3%	9 147.6	-5.0%
poultry meat <sup>(2)</sup>	257.3	-14.0%	266.2	3.5%
others <sup>(3)</sup>	95.8	-31.6%		
<b>Pork</b>	<b>225.1</b>	<b>24.2%</b>	<b>713.7</b>	<b>8.0%</b>
<b>Small ruminants <sup>(4)</sup></b>	<b>370.9</b>	<b>0.7%</b>	<b>423.2</b>	<b>-2.7%</b>
<b>Horses <sup>(5)</sup></b>	<b>28.8</b>	<b>348.0%</b>		
<b>Bee products</b>	<b>1.9</b>	<b>-48.2%</b>	<b>1.1</b>	<b>-58.8%</b>
<b>Fruit and vegetables <sup>(6)</sup></b>	<b>1 900.0</b>	<b>5.1%</b>	<b>8 637.1</b>	<b>-11.6%</b>
fruit	1 205.5	8.6%	4 768.9	-0.1%
vegetables	581.8	10.6%	2 564.3	-1.6%
onions	102.9	6.2%	1 146.7	-17.8%
potatoes	9.8	-86.7%	157.1	-84.3%
<b>Ornamentals</b>	<b>115.9</b>	<b>12.2%</b>		
<b>Coffee</b>	<b>953.0</b>	<b>2.9%</b>	<b>1 385.2 <sup>(7)</sup></b>	<b>-3.1%</b>
<b>Vanilla</b>	<b>0.9</b>	<b>-34.7%</b>	<b>0.02</b>	<b>-56.8%</b>
<b>Grains</b>	<b>2 148.2</b>	<b>10.2%</b>	<b>40 478.9</b>	<b>-3.3%</b>
<b>Tea tree, sandalwood</b>	<b>2.4</b>	<b>49.5%</b>	<b>0.5</b>	<b>29.8%</b>
<b>Total agriculture</b>	<b>15 070.8</b>	<b>3.1%</b>		
<b>Timber <sup>(8)</sup></b>	<b>809.4</b>	<b>0.6%</b>		
<b>Aquaculture <sup>(9)</sup></b>	<b>154.7</b>	<b>1.0%</b>		
<b>Total imports</b>	<b>16 034.9</b>	<b>2.9%</b>		

\*Value : CIF cost in million XPF

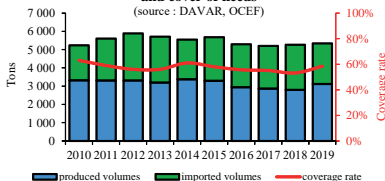
Sources : ISEE-Direction régionale des douanes,

OCEF (cattle meat, pig and mutton meat, and potatoes)

## Evolution of some sectors products marketed over a 10-year period

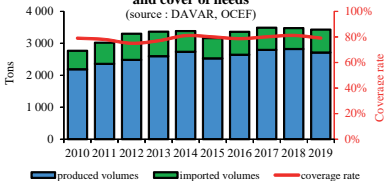
**Cattle meat : production, imports and cover of needs**

(source : DAVAR, OCEF)



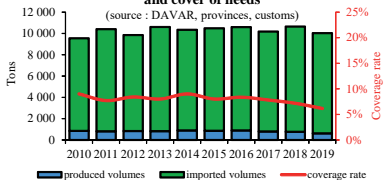
**Pig meat : production, imports and cover of needs**

(source : DAVAR, OCEF)



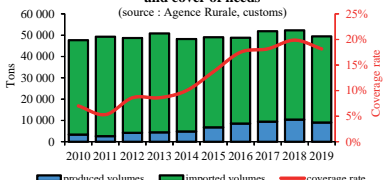
**Poultry meat : production, imports and cover of needs**

(source : DAVAR, provinces, customs)



**Grain : production, imports and cover of needs**

(source : Agence Rurale, customs)



# CLIMATOLOGY

Rainfall (mm)	Normal	2019	2019/ Normal
Koumac	984.8	778.4	79.0%
Koné	1 096.8	546.5	49.8%
Poindimié	2 630.4	1 555.9	59.2%
Bourail	1 240.6	1 024.6	82.6%
Tontouta	897.3	535.1	59.6%
Ouanaham (Lifou)	1 674.8	1 204.2	71.9%

## Wind :

➤ 2019 is an exceptionally windy year ! Across New Caledonia (including land and lagoons), the average wind speed is 13.5kt, which puts 2019 at the top of the ranking, tied with 2015 and 2006.

## Temperatures :

➤ The average annual temperature for 2019 is 23.4°C, a deviation from the 1981-2010 reference average of +0.2°C. However, this anomaly is not exceptional. But over the entire measurement period, between 1970 and 2019, the Caledonian climate warmed by +1.1°C on average.

## The striking meteorological phenomenon:

2 remarkable rainy episodes were recognized as agriculture calamities:

➤ The only cyclonic phenomenon that directly affected New Caledonia in 2019, the tropical **cyclone OMA** passed twice on the outskirts of the country **between February 11 and 26** following a trajectory of «back and forth». During its journey, the phenomenon generously watered the Grande Terre, more particularly the northern tip and the mountain ranges where we measured up to 600 mm.

➤ The second major rain episode occurred on **April 21**. Linked to the presence of a low-pressure route that stretched from Fiji to the Chesterfield Islands, orange vigilance for heavy rain and thunderstorms was issued for the southern half of Grande Terre and the Loyalty Islands

## Rainfall:

➤ In 2019, the annual cumulative of New Caledonia presents a deficit of 35% compared to normal. This deficit is remarkable since it places 2019 in the 5th row of the least rainy years in New Caledonia since 1961. The deficits are more or less marked according to the regions the cumulative: in the Loyalty Islands, less affected than Grande Terre, the average deficit is 25% ; on the West coast the average deficit is 30% but it is on the East coast that the deficits were most marked with a deficit annual average which is around 45%.

Source : Météo France / New-Caledonia

# FERTILIZERS AND PHYTOSANITARY PRODUCTS

## Marketed fertilizers for professionals of Agriculture in 2019 :

**5 928 tons (+25% compared to 2018)**

Fertilizer type	Tons
lithothamne	346.8
urea	542.5
17.17.17	551.1
10.12.24	642.7
calcium nitrate	282.2
0.32.16	113.0
potassium sulfate	149.5
0.10.25	18.3
others	3 281.4
<b>TOTAL</b>	<b>5 927.6</b>

	Tons
South Province	4 918.3
North Province	999.4
Islands Province	9.8
<b>TOTAL</b>	<b>5 927.6</b>

Source : Chamber of agriculture

\* breakdown includes fertilizers stockpiled in Ducos (Noumea) and a part sold to professionals and servicing centers.

Use*	Tons
Vegetables, onions	1 846.6
Grain	1 418.7
Pasture	548.2
Fruit	447.4
Squash	608.4
Aquaculture	229.3
Potatoes	251.3
Reforestation, nursery	358.7
Others	219.0
<b>TOTAL</b>	<b>5 927.6</b>

## Phytosanitary products imported for professionals of Agriculture in 2019 :

Category	Herbicides	Insecticides	Fungicides	Misc.	TOTAL**
<b>Tons (evol/2018)</b>	29.9 (-12%)	16.3 (222%)	6.4 (144%)	1.1 (-26%)	<b>53.7 (24%)</b>

\*\* about 12% of all herbicides, insecticides and fungicides imported in 2019 (except aerosols) were sold to professionals of Agriculture.

Source : DAVAR-SIVAP



# AGRICULTURAL FINANCING

## Public intervention (in million XPF)

	State (1)	NC (2)	South (3)	North (3)	Islands (3)	TOTAL	Evol/18
<b>1 - agriculture and rural territories (4)</b>	<b>149.4</b>	<b>3 809.8</b>	<b>820.7</b>	<b>407.9</b>	<b>109.2</b>	<b>5 296.9</b>	<b>4%</b>
<b>11 - markets and agricultural incomes</b>		<b>3 140.8</b>	<b>343.2</b>	<b>53.4</b>	<b>91.4</b>	<b>3 628.8</b>	<b>2%</b>
Price support – cost reduction		1 536.2	241.4	48.0		1 825.6	
Products assistance		260.4	7.3			267.7	
Marketing assistance		100.6				100.6	
Sector organization and modernization		171.4	33.6		81.4	286.4	
Promotion and quality management systems		126.4	60.9	5.4	10.0	202.7	
Risk management (including emergencies)		945.7				945.7	
Other actions							
<b>12 - rural development</b>	<b>149.4</b>	<b>432.5</b>	<b>477.5</b>	<b>334.5</b>	<b>17.8</b>	<b>1 411.8</b>	<b>3%</b>
Setting up, modernization, pollution control	33.4	20.8	354.2	102.4	6.6	517.5	
Cessation of agricultural activities		1.6				1.6	
Agricultural environment intervention							
Development and protection of the countryside		184.5	48.0			232.5	
Processing and marketing of agricultural products	8.4			89.6	10.2	108.1	
Horse-related activities	16.0	70.9	75.4		0.5	162.8	
Others	91.6	154.7		142.5	0.6	389.4	
<b>13 - sanitary safety of plants and animals</b>		<b>236.4</b>		<b>20.0</b>		<b>256.4</b>	<b>41%</b>
<b>2 - aquaculture (4)</b>		<b>179.9</b>	<b>43.6</b>	<b>7.9</b>		<b>231.4</b>	<b>-12%</b>
<b>3 - forestry (4)</b>		<b>2.8</b>	<b>178.6</b>	<b>153.6</b>	<b>9.7</b>	<b>344.7</b>	<b>14%</b>
<b>TOTAL 1 + 2 + 3</b>	<b>149.4</b>	<b>3 992.5</b>	<b>1 042.9</b>	<b>569.4</b>	<b>118.9</b>	<b>5 873.0</b>	<b>3%</b>
<i>Share per level of government</i>	<i>2.5%</i>	<i>68.0%</i>	<i>17.8%</i>	<i>9.7%</i>	<i>2.0%</i>	<i>100%</i>	
<b>4 - education and research (4)</b>	<b>1 218.8</b>	<b>464.0</b>	<b>263.3</b>	<b>293.9</b>	<b>72.8</b>	<b>2 312.9</b>	<b>-1%</b>

(1) ADRAF, DAFE, French state.

(2) New Caledonia (Customs , DAVAR) and public corporations (Agence Rurale, Chamber of agriculture).

(3) South, North and Islands provinces.

(4) The labour and operating costs related to the general and/or technical services of the different institutions were not taken into account. Only the category education and research includes these costs.

Note : this table presents an inventory of the financial grants made in 2019 to agriculture, aquaculture, forestry and agricultural education. The figures are not exhaustive and are likely to be amended in future publications.

# AGRICULTURAL TRAINING

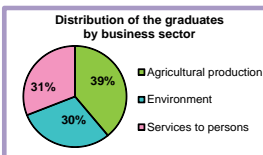
## Information about agricultural training courses (CAP to BTS) and validation of previous experience (VAE) :

Department of agriculture, forestry and environment (DAFE)

Tel : 23.24.30 sfd.nouvelle-caledonie@educagri.fr

New Caledonian Agricultural Education Internet portal : <http://www.formagri.nc>

	Number of enrolled students and trainees	Number of graduates from the ministry of Agriculture and Food							Total
		CAPA	BEPA	BPA	BP	BAC Vocational	BAC Technical	BTSA	
2017	526	18	41	7	-	50	19	12	147
2018	559	21	50	12	-	73	21	7	184
2019	577	24	68	-	-	55	19	9	175



CAPA : Certificat d'aptitude professionnelle agricole BEPA : Brevet d'études professionnelles agricoles / BPA : Brevet professionnel agricole / BP : Brevet professionnel / BTSA : Brevet de technicien supérieur agricole

Source : DAFE

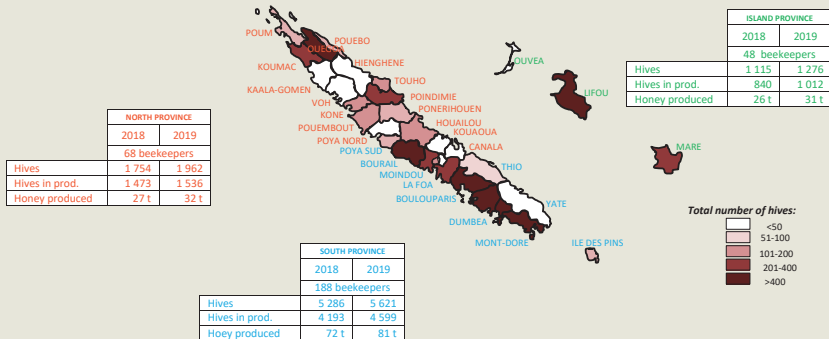
# BEEKEEPING

In 2019, 650 people were surveyed across New Caledonia as part of the updated bee statistics. Only those with at least three hives and marketing their products were taken into account for statistical data processing, i.e. 304 beekeepers. In addition to these beekeepers, 166 have been identified but are not in the field of investigation, because they have less than 3 hives and/or do not market their production.

The goal being to:

- identify the apistes and their livestock,
- quantify the production and marketing of hive products by 2018 (volumes produced in 2019 were estimated from the number of hives in production reported in 2019)
- assess the technical practices applied.

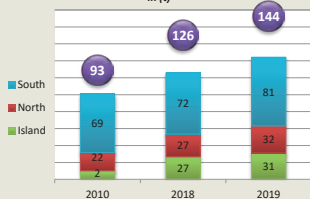
## WHAT IS BEEKEEPING IN NEW CALEDONIA ?



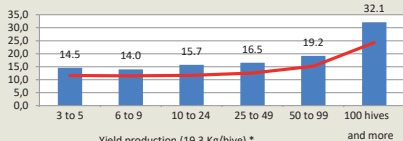
NB : In total, New Caledonia has 304 beekeepers, 8859 hives including 7143 hives in production (without beehive box). For the 166 beekeepers not in the field of investigation, this leisure activity represents a collection of 1021 apiaries (10% of the total Caledonian apiaries).

## HONEY AND ITS PRODUCTION

Evolution of honey production in (t)



Yields per hive based on apiary size in Kg/hive/year in 2018



\* calculated only from the number of hives that produce honey

\*\* calculated from the number of total colonies, including those that do not yet produce honey

## HONEY FLOW CIRCUITS AND THE MARKETING OF BEEHIVE PRODUCTS IN 2018



Figures for 2019 shown in this memento are provisional (data known as of 1 July 2020) and may be modified in future publication.

Statistics division publications are available for consultation on: <http://www.davagouv.nc>