



**Department of veterinary, food
safety and rural affairs**
Service of rural statistics and Affairs
Rural statistics and surveys division

Agricultural Memento Data 2018



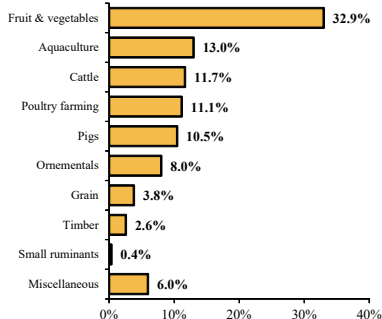
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July 2019



FINAL AGRICULTURAL PRODUCTION IN 2018

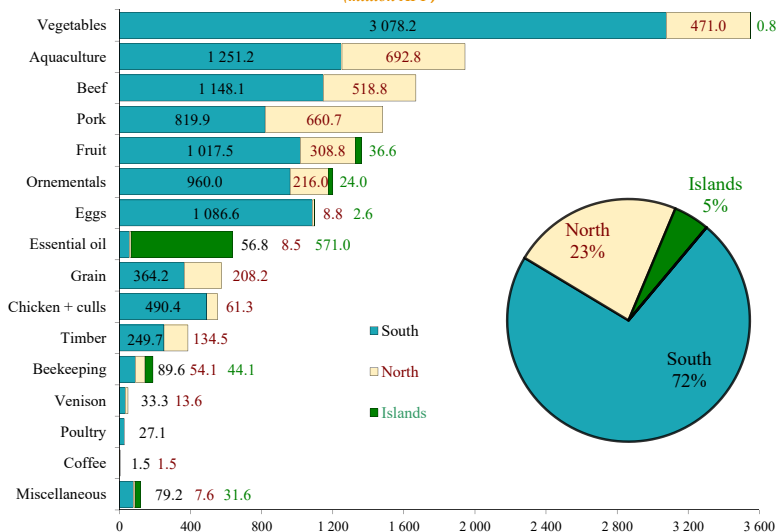
Percentage breakdown by rural sector in value



	Value in million XPF	
	2018	Evol/17
Vegetable production	7 389.2	8.6%
Animal production	5 262.7	0.4%
Total agriculture	12 652.0	5.0%
Aquaculture	1 944.0	11.8%
Timber	384.3	8.8%
Total Rural sector	14 980.2	5.9%

Sources : ARBOFRUITS, Chamber of agriculture, DAVAR, Agence Rurale, FCTE, GAPCE, GFA, 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/17 : trends shown in the 2018 memento are calculated in relation to the revised 2017 figures, which are sometimes different from those published in the memento of July 2018.



ANIMAL PRODUCTION

Marketed production in 2018

	Value in million XPF		Tons or Units	
	2018	Evol/17	2018	Evol/17
Cattle	1 749.9	-0.4%		
meat	1 695.9	-0.8%	2 886.0	-2.3%
<i>OCEF only</i>	1 426.9	1.7%	2 388.1	-0.2%
<i>service provision only</i>	9.0	-10.2%	22.6	-17.3%
<i>local butchers only</i>	260.1	-12.5%	475.4	-11.1%
milk	53.9	12.5%	449.5 ⁽¹⁾	12.5%
Poultry farming	1 673.6	-1.1%		
eggs	1 098.1	0.3%	35.6 ⁽²⁾	1.5%
chicken + culling	551.7	0.4%	742.5	-3.0%
barnyard ⁽³⁾	23.9	-49.2%	20.3	-47.1%
Pigs	1 565.5	2.6%		
meat	1 565.5	2.6%	2 905.7	1.0%
<i>OCEF only</i>	1 078.2	-3.1%	1 910.8	-5.9%
<i>service provision only</i>	84.9	4.7%	170.1	8.2%
<i>local butchers only</i>	402.4	21.5%	824.7	19.8%
Small ruminants	52.8	5.9%	106.9	5.2%
venison	46.9	4.0%	97.5	3.9%
mutton and goat meat	5.9	24.4%	9.3	21.4%
Horse breeding⁽⁴⁾	31.8	-3.9%		
Live animals exports	1.2	21.8%	3 050 u	5.1%
Beekeeping⁽⁵⁾	187.8	2.8%	128.2	0.9%
Animal production (agriculture)	5 262.7	0.3%		
Aquaculture	1 944.0	11.8%		
Prawns	1 866.4	9.9%	1 520.4	4.9%
Sea cucumbers	64.2	101.7%	100.0	132.6%
Red emperors	13.4	44.1%	12.3	44.7%

(1) unit : thousands of liters of milk.

(2) unit : million eggs.

(3) including rabbits and game birds.

(4) estimated value. **Note** : 150 births declared in 2018, of which 80 in the South Province, 43 in the North Province, 1 in the Islands and 26 by artificial insemination.

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

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

The exports in 2018 :

• **816.5 tons of prawns** (+6.1% compared to 2017)

• **3050 exported animals** (chicks only) (+5.1% compared to 2017)

• **10.1 tons of exported venison** in 2018 (no exported venison in 2017)

• **5 tons of dried sea cucumbers** (+132.6% compared to 2017)

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

Pork sector : 32 514 pigs slaughtered (32 887 in 2017)

Average producer sale price : 555 XPF/kg (+1.6% compared to 2017)

Artificial insemination : Inseminated sows : **39** (48 in 2017)

Gestation rate (28 days) : **64%**

Sources : DAVAR, OCEF, Agence Rurale, UPRA porcine

Bovine sector : 14 797 head slaughtered (14 970 in 2017)

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

Number of A.I. : **612** (726 in 2017) Gestation rate (45 days) : **56%**

Number of E.T. : **135** (77 in 2017) Gestation rate (45 days) : **50%**

Sources : DAVAR, Agence Rurale, OCEF, UPRA bovine

Category	Carcass tonnage		Average producer price (XPF/kg)	
	2018	Evol/17	2018	Evol/17
Beef	1 776	-3.3%	624	2.0%
Calves	1 110	-0.7%	576	0.9%
Total	2 886	-2.3%	606	1.6%



PLANT PRODUCTION

Marketed production in 2018

	Value in million XPF		Tons or Units	
	2018	Evol/17	2018	Evol/17
Supervised crops	980.8	8.3%	15 869.6	6.0%
squash	167.7	-20.1%	2 982.1	-19.7%
potatoes	240.7	35.0%	2 510.0	36.4%
grain	572.4	10.5%	10 377.5	10.2%
Vegetables	3 155.0	12.0%	9 656.8	8.5%
fresh vegetable	2 761.8	15.7%	8 645.4	11.8%
dried onions	115.2	-33.1%	420.9	-34.0%
tropical tuber	277.9	7.7%	590.4	12.0%
Fruits	1 379.5	13.5%	3 982.7	6.5%
citrus fruit	362.1	18.1%	1 160.6	10.3%
openfield fruit ⁽¹⁾	364.5	-1.1%	1 108.4	-4.0%
bananas	296.5	60.8%	841.3	33.9%
others ⁽²⁾	356.4	0.3%	872.4	-3.6%
Ornamentals (estimation)	1 200.0	///		
Coffee	3.0	-25.2%	2.6	-49.3%
Copra ⁽³⁾	17.4	-43.1%	157.0	-42.9%
Vanilla ⁽⁴⁾	17.2	23.2%	0.8	18.7%
Essential oils ⁽⁵⁾	636.3	2.6%	9.3	-0.9%
Plant production	7 389.2	8.6%		
Timber	384.3	8.8%		
lumber	217.3	34.5%	2 348.0 ⁽⁶⁾	34.3%
industrial timber	167.0	-12.9%	106 941 ⁽⁷⁾	-22.2%

(1) melon, watermelon, strawberry, raspberry.

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

(3) main end products are 94 tons of oil and the equivalent of 50 tons of copra meal.

(4) equivalent dried vanilla

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

(6) tonnage equivalent to 3 131 m³ of lumber.

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

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

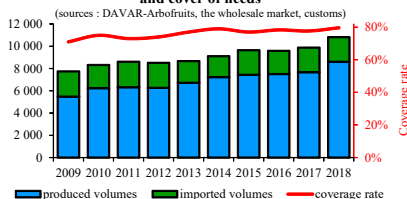
The exports in 2018 :

- **8.6 tons of essential oils** (sandalwood) (the same as 2017)
- **2 982 tons of vegetables** (squashes) (-20 % compared to 2017)
- **16.4 tons of fruits** (limes) (-44 % with regard to 2017)

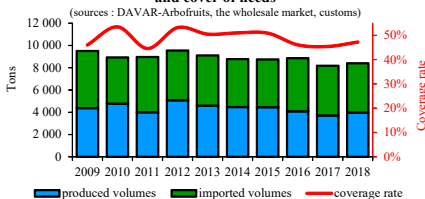
Sources : ISEE-Direction régionales des douanes, Agence Rurale (vegetables and fruits)

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

Fresh vegetable : production, imports and cover of needs



Fresh fruit : production, imports and cover of needs



IMPORTS OF AGRICULTURAL PRODUCTS

2018

(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) 6 imported horses and 658 kg of horse meat.

(6) including dried fruits and vegetables.

(7) unit in equivalent tons of green coffee (according to the 2001 International Coffee Agreement), that is 863 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(8) 9 000 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 10 300 m³.

(9) oysters and oyster spats.

	Value*	Evol/17	Tons or Units (u)	Evol/17
Cattle	1 618.2	-3.3%	1 886.2	5.6%
Milk and dairy products	5 068.4	4.3%	82 917.0 ⁽¹⁾	-4.7%
Aviculture	2 585.9	4.6%		
chicken meat	2 146.5	0.9%	9 627.1	5.0%
poultry meat ⁽²⁾	299.2	51.0%	257.1	22.2%
others ⁽³⁾	140.1	-4.6%		
Pork	181.2	-19.5%	661.1	-7.4%
Small ruminants ⁽⁴⁾	368.3	2.8%	435.1	-1.2%
Horses ⁽⁵⁾	6.4	-72.0%		
Bee products	3.6	-49.5%	2.8	-54.2%
Fruit and vegetables ⁽⁶⁾	1 807.1	-10.2%	9 775.0	-3.5%
fruit	1 110.4	-5.4%	4 774.8	-0.3%
vegetables	526.3	-16.8%	2 605.3	-3.3%
onions	97.0	-1.7%	1 394.3	9.8%
potatoes	73.5	-31.9%	1 000.5	-27.6%
Ornamentals	103.3	-4.1%		
Coffee	925.9	1.9%	1 429.7 ⁽⁷⁾	9.9%
Vanilla	1.4	-5.7%	0.04	-32.7%
Grains	1 948.7	1.0%	41 856.5	-1.4%
Tea tree, sandalwood	1.6	-31.6%	0.4	-38.4%
Total agriculture	14 620.5	0.3%		
Timber ⁽⁸⁾	804.6	-12.9%		
Aquaculture ⁽⁹⁾	153.2	-4.9%		
Total imports	15 578.3	-0.6%		

*Value : CIF cost in million XPF

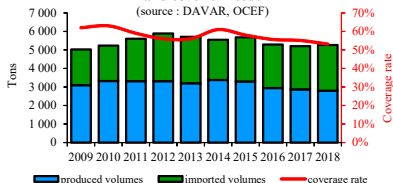
Sources : ISEE-Direction régionale des douanes,

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

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

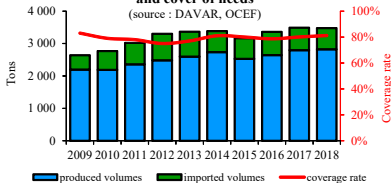
Cattle meat : production, imports and cover of needs

(source : DAVAR, OCEF)



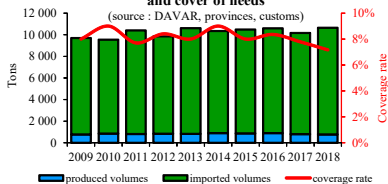
Pig meat : production, imports and cover of needs

(source : DAVAR, OCEF)



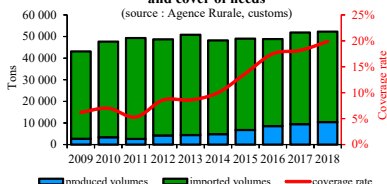
Poultry meat : production, imports and cover of needs

(source : DAVAR, provinces, customs)



Grain : production, imports and cover of needs

(source : Agence Rurale, customs)



CLIMATOLOGY

Rainfall (mm)	Normal	2018	2018/ Normal
Koumac	984.8	805.5	81.8%
Koné	1 096.8	737.7	67.3%
Poindimié	2 630.4	2 071.0	78.7%
Bourail	1 240.6	1 055.0	85.0%
Tontouta	897.3	841.7	93.8%
Ouanaham (Lifou)	1 674.8	1 294.9	77.3%

Temperatures :

➤ The 2018 average annual temperature, for the whole territory, shows a difference of + 0.17 ° C compared to the 1981-2010 reference average. Thus, in New Caledonia, the year 2018 is close to normal in terms of average annual temperature, while globally it has been a very hot year.

The striking meteorological phenomenon:

➤ **First quarter of the year : the parade of tropical disturbances.** The first quarter of 2018 was marked by the prevalence of a stifling and stormy tropical weather and by several depressions and tropical cyclones in the vicinity of New Caledonia. Three phenomena brought substantial rains to the country: the moderate tropical depression FEHI between 28 and 29 January, tropical cyclone HOLA from 8 to 10 March, and finally the tropical depression IRIS which crossed the Coral Sea from north to south between March 24th and 30th

➤ **From April to September : the rain fails to fall.** The months of April to September were characterized by relatively dry weather country-wide as a result of the prevalence of high atmospheric pressure conditions and the associated trade wind current. With the exception of August, the few large-scale events that took place proved to be timid and insufficiently rainy to enhance monthly balance sheets.

➤ **From October to December : a return of rain in half-tone.** With the return of summer heat, the months of October to December brought many days of humid and unstable easterly currents, as well as the descent of tropical air masses over New Caledonia. More cloudy weather, thunderstorms and more rain were on the menu at the end of the year.

Source : Météo France / New-Caledonia

• ESSENTIAL OF THE YEAR 2018 :

In 2018, five major meteorological phenomena have left their mark: the tropical phenomena FEHI, GITA, HOLA and IRIS which impacted New Caledonia between January and March, as well as the intense rainstorms of January which fell on the country, sparing no region.

Rainfall:

➤ With a 1981-2010 average deviation of -5% on average in New Caledonia, the rainfall was slightly below average in 2018. Nevertheless, the lack of water observed in 2018 is not as important as the meteorological drought that occurred in 2017. Geographical disparities also exist : rainfall on the Loyalty Islands and a large portion of the West Coast was below average, while it was in surplus overall on the East Coast.

Wind :

➤ If the intensity of the winds was generally lower than normal in annual average in 2018, a few episodes of strong winds still marked the year : the tropical depression FEHI in January, as well as the cyclones GITA and HOLA in February and March, caused gusts above 100 km / h.

FERTILIZERS AND PHYTOSANITARY PRODUCTS

Marketed fertilizers for professionals of Agriculture in 2018 :

4 744 tons (-9,1% compared to 2017)

Fertilizer type	Tons
lithothamne	171.3
urea	480.7
17.17.17	417.3
10.12.24	614.2
calcium nitrate	202.9
0.32.16	124.4
potassium sulfate	130.1
0.10.25	15.2
others	2 587.6
TOTAL	4 743.5

	Tons
South Province	3 900.1
North Province	834.3
Islands Province	9.1
TOTAL	4 743.5

Source : Chamber of agriculture

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

Use*	Tons
Vegetables, onions	1 259.5
Grain	1 705.4
Pasture	445.1
Fruit	213.0
Squash	466.3
Aquaculture	78.2
Potatoes	172.2
Reforestation, nursery	185.5
Others	218.4
TOTAL	4 743.5

Phytosanitary products imported for professionals of Agriculture in 2018 :

Category	Herbicides	Insecticides	Fungicides	Misc.	TOTAL**
Tons (evol/2017)	34.1 (+12%)	5.1 (-41%)	2.6 (-68%)	1.5 (-13%)	43.3 (-13%)

** about 9% of all herbicides, insecticides and fungicides imported in 2018 (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/17
1 - agriculture and rural territories (4)	129.9	3 202.9	1 204.8	398.8	157.6	5 094.0	-13%
11 - markets and agricultural incomes		2 793.9	523.2	108.7	138.9	3 564.6	-17%
Price support – cost reduction		1 377.9	333.5	93.9	4.1	1 809.4	
Products assistance		268.3	6.5			274.8	
Marketing assistance		94.3	20.3	8.9		123.4	
Sector organization and modernization		194.4	104.1		122.8	421.3	
Promotion and quality management systems		99.5	58.9	5.9	11.9	176.2	
Risk management (including emergencies)		759.4				759.4	
Other actions							
12 - rural development	129.9	227.6	681.6	290.1	18.7	1 347.9	-6%
Setting up, modernization, pollution control	15.9	18.3	528.7	131.6	7.2	701.6	
Cessation of agricultural activities		5.4				5.4	
Agricultural environment intervention							
Development and protection of the countryside		3.7	89.8			93.5	
Processing and marketing of agricultural products				15.6	10.0	25.6	
Horse-related activities	22.5	72.8	63.1		0.4	158.8	
Others	91.6	127.4		142.9	1.1	363.1	
13 - sanitary safety of plants and animals		181.5				181.5	17%
2 - aquaculture (4)		182.4	64.8	16.7		263.9	-23%
3 - forestry (4)		6.0	179.6	105.6	11.7	303.0	-15%
TOTAL 1 + 2 + 3	129.9	3 391.3	1 449.2	521.1	169.3	5 660.9	-14%
<i>Share per level of government</i>	<i>2%</i>	<i>60%</i>	<i>26%</i>	<i>9%</i>	<i>3%</i>	<i>100%</i>	
4 - education and research (4)	1 173.1	583.6	271.4	233.0	68.0	2 329.0	3%

(1) ADRAF, DAFE, French state.

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

(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 2018 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) :

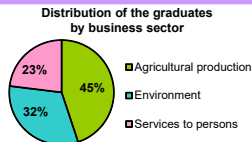
Department of agriculture, forestry and environment (DAFE)

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	
2016	521	11	54	8	1	52	11	10	147
2017	526	18	41	7	-	50	19	12	147
2018	559	21	50	12	-	73	21	7	184



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



WHY A PURCHASE PRICE INDEX OF AGRICULTURAL PRODUCTION MEANS?

The purchase price index of the agricultural production means of New Caledonia (IPAMPA-NC) allows following the evolution of the prices of the goods and the services used by the farmers for their agricultural exploitation.

WHAT DOES THIS INDEX COLLECT?

The IPAMPA consists of a price index of consumer goods and services and an index of the prices of investment goods and services, which are broken down into different items and sub-items. The categories and major aggregated items of the IPAMPA-NC nomenclature (see table below) follow the European codification defined by Eurostat (adapted to the New Caledonian context). These various items are weighted to represent purchases from the New Caledonian agricultural world, including animal production (including aquaculture) and crop production (including horticulture), but excluding forestry. Staff costs and the cost of land do not fall within the scope of the index.

HOW IS IT CALCULATED?

The calculation of the IPAMPA-NC uses multiple sources, including the Official Gazette of New Caledonia, the Consumer Price Index and the building and public works indices produced by ISEE, but above all merchants surveys for products necessary in the farms. IPAMPA is published on the 20th of each month on the ISEE website (www.isee.nc).

HOW IS IT BUILT?

The weightings of the current IPAMPA have been defined based on the purchases recorded and estimated in 2017 and the base 100 was established in December of that year.

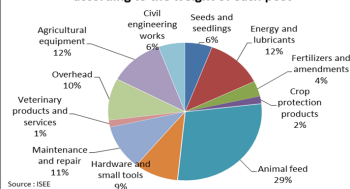
THE EVOLUTION OF IPAMPA:

The final IPAMPA-NC of May 2019 is 100.54. The June 2019 interim index is stable at 100.57. This stability results from the increase in "Energy and lubricants" (+ 1.0%) prices, which offsets the drop in prices for "Animal Feed" (-0.5%). Between December 2018 and June 2019 the IPAMPA-NC is down by 0.6%.

		Purchasing price index for agricultural inputs						
Monthly data		2017	2018	2019		Variations		
Code	Wording	Weighting	Dec.-17	Dec.-18	May.-19	June.-19	Last month	Between Dec.-18 and June-19
	General index	1 000	100,00	101,16	100,54	100,57	0,03%	-0,6%
	01 GOODS AND SERVICES OF CURRENT CONSUMPTION	827	100,00	100,91	100,54	100,56	0,02%	-0,3%
0101	Seeds and seedlings	57	100,00	97,12	93,64	93,64	0,00%	-3,6%
0102	Energy and lubricants	121	100,00	112,37	107,37	108,40	0,96%	-3,5%
0103	Fertilizers and amendments	36	100,00	81,84	86,91	86,78	-0,15%	6,0%
0104	Crop protection products	17	100,00	101,19	104,52	104,52	0,00%	3,3%
0105	Animal feed	285	100,00	99,68	100,21	99,76	-0,45%	0,1%
0106	Hardware and small tools	93	100,00	98,66	98,66	98,66	0,00%	0,0%
0107	Maintenance and repair	105	100,00	100,42	101,44	101,67	0,23%	1,2%
0108	Veterinary products and services	16	100,00	103,87	103,98	104,09	0,11%	0,2%
0109	Overhead	98	100,00	101,56	101,53	101,53	-0,01%	0,0%
	02 INVESTMENT GOODS AND SERVICES	173	100,00	102,38	100,55	100,63	0,08%	-1,7%
0201	Equipment	116	100,00	103,12	100,49	100,49	0,00%	-2,5%
0202	Civil engineering works	56	100,00	100,84	100,68	100,92	0,24%	0,1%

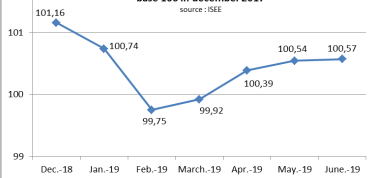
Source : ISEE Data updated on July 19, 2019

Composition of the IPAMPA - NC according to the weight of each post



Source : ISEE

Monthly evolution of the IPAMPA-NC base 100 in december 2017



Figures for 2018 shown in this memento are provisional (data available on the 1st of July 2019) and may be modified in future publications.

Statistics section publications are available for consultation on : <http://www.davar.gov.nc>