Department of veterinary, food safety and rural affairs

Bureau of waterways management, rural statistics and surveys

Rural Affairs - Statistics Section

Agricultural Memento Data 2011

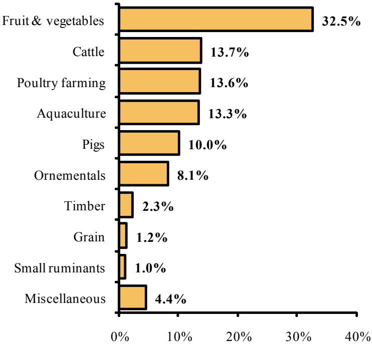
Picture : Joëlle LE MARREC, Etienne et Robert MAEDA

209, rue Auguste Bénébig - Haut Magenta
BP 256 - 98845 NOUMEA Cedex
Tel.: (687) 25.51.00 . Fax: (687) 25.51.29
E-mail: oaa.davar@gouv.nc
Internet : http://www.davar.gouv.nc

June 2012

FINAL AGRICULTURAL PRODUCTION 2011

Percentage breakdown by rural sector

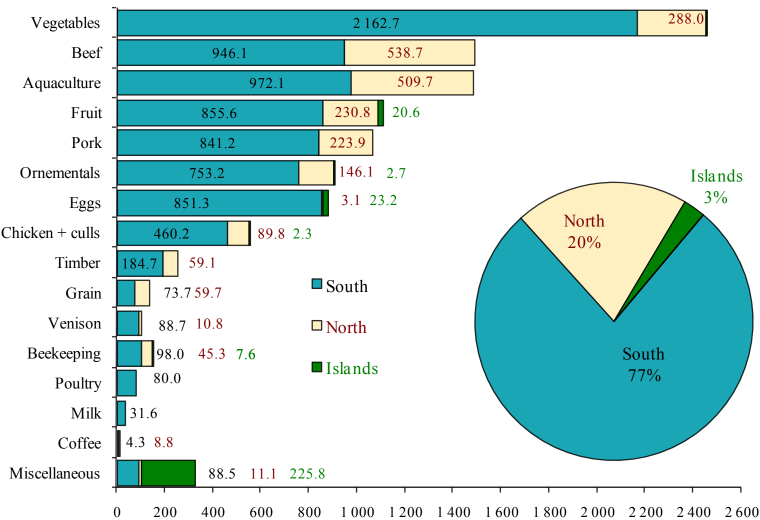


	Value in million XPF	
	2011	**Evol/10**
Vegetable production	4 951.6	5.5%
Animal production	4 439.8	0.7%
Total agriculture	**9 391.4**	**3.2%**
Aquaculture	1 481.8	23.4%
Timber	250.4	3.8%
Total Rural sector	**11 123.5**	**5.5%**

Sources : DAVAR, provinces, ERPA, OCEF, ARBOFRUITS, FCTE, GFA, Chamber of agriculture, UPRA bovine, porcine, équine, ovine et caprine.

Marketed agricultural production, breakdown by Province

(provisional figures, million XPF)



Abbreviations (for all memento tables) :

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

Evol/10 : trends shown in the 2011 memento are calculated in relation to the revised 2010 figures, wich are sometimes different from those published in the memento of June 2011.

ANIMAL PRODUCTION

Marketed production in 2011

Marketed production in 2011	Value in million XPF		Tons or Units (u)	
	2011	Evol/10	2011	Evol/10
Cattle	**1 524.2**	**-1.4%**		
meat	1 492.6	-1.0%	3 414.4	-0.3%
OCEF only	*1 220.0*	*0.4%*	*2 779.6*	*0.8%*
service provision only	*0.0*	*-100.0%*	*0.0*	*-100.0%*
local butchers only	*272.6*	*-6.5%*	*634.8*	*-4.3%*
milk (1)	31.6	-17.8%	253.6 u	-19.8%
Poultry farming	**1 512.6**	**-1.6%**		
eggs (2)	877.6	2.4%	34.1 u	-5.2%
chicken + culling	552.3	-2.3%	761.8	-4.8%
poultry meat (3)	80.0	-22.1%	61.8	-20.5%
livestock exports	2.8	-77.9%	9 500 u	-82.8%
Pigs	**1 110.4**	**7.8%**		
meat	1 110.4	7.8%	2 425.3	7.6%
OCEF only	*758.5*	*10.3%*	*1 649.6*	*10.1%*
service provision only	*45.3*	*-1.2%*	*109.4*	*-0.8%*
local butchers only	*306.6*	*3.4%*	*666.2*	*3.2%*
livestock exports	0.0	///	0 u	///
Small ruminants	**107.4**	**-23.0%**	**209.3**	**-25.0%**
venison	99.4	-25.5%	194.9	-27.4%
mutton and goat meat	8.0	32.5%	14.4	36.5%
Horse breeding (4)	**34.3**	**17.9%**		
Beekeeping (5)	**150.9**	**20.9%**	**110.7**	**23.2%**
Animal production (agriculture)	**4 439.8**	**0.7%**		
Aquaculture	**1 481.8**	**23.4%**		
prawns	1 442.4	29.0%	1 538.8	36.9%
oysters (6)	34.9	-54.7%	22.4	-65.0%
crayfish	4.5	-18.2%	3.0	0.0%

Source : DAVAR, provinces, ERPA, GFA, OCEF, UPRA bovine, porcine, équine, ovine et caprine

(1) unit : one thousand litres of milk.

(2) unit : million eggs.

(3) including rabbits and game birds.

(4) estimated value. Note : 220 births declared in 2011, of which 155 in the South Province, 38 in the North Province and 27 by artificial insemination.

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

(6) reared oysters only, tonnage equivalent to approx. 23 600 dozen.

Pork sector : 29 119 pigs slaughtered

(27 325 in 2010)

Average producer sale price :

472 XPF/kg

(+0.2% compared to 2010)

Artificial insemination :

Inseminated sows : **310**

(244 in 2010)

Gestation rate (28 days) : **63%**

Source : DAVAR, OCEF, UPRA porcine

Exports 2011

Exports 2011	Value *	Evol/10	Tons/U	Evol/10
Livestock (1)	**2.8**	**-78.3%**	**9 524 u(1)**	**-82.8%**
Meat (2)	**60.3**	**-12.3%**	**68.9**	**-24.9%**
Others	**0.6**	**90.9%**		
Total animal products exported	**63.6**	**-22.3%**		
Prawns	**1 013.3**	**-1.1%**	**745.7**	**-30.9%**
Total animal exports	**1 200.8**	**-4.5%**		

(1) including 9 500 poultry (chicks).

(2) venison.

*Value : FOB cost in million XPF

Source : Customs

Bovine sector : 17 575 head slaughtered

(18 428 in 2010)

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

Number of A.I. : **690** (443 in 2010) Gestation rate (45 days) : **60%**

Number of E.T. : **109** (9 in 2010) Gestation rate (45 days) : **65%**

Source : DAVAR, OCEF, UPRA bovine

Category	Carcass tonnage		Average producer price (XPF/kg)	
	2011	Evol/10	2011	Evol/10
Beef	1 902	-0.4%	456	-0.2%
Store cattle	427	18.4%	414	-1.9%
Calves	1 085	-6.1%	456	-0.7%
Total	3 414	-0.3%	451	-0.7%

Source : OCEF, DAVAR

PLANT PRODUCTION

Marketed production in 2011	Value in million XPF 2011	Value in million XPF Evol/10	Tons or Unity (u) 2011	Tons or Unity (u) Evol/10
Supervised crops	**404.4**	**11.3%**	**6 782.3**	**7.7%**
squash	146.0	10.1%	2 490.7	19.0%
potatoes	125.0	97.2%	1 695.1	95.3%
grain	133.4	-20.3%	2 596.5	-22.1%
Vegetables	**2 219.8**	**10.6%**	**7 376.2**	**3.0%**
fresh vegetables	1 880.8	8.6%	6 326.2	1.2%
dried onions	124.4	64.0%	546.6	53.3%
tropical tuber	214.6	7.7%	503.4	-9.2%
Fruit	**1 123.2**	**-5.4%**	**4 013.8**	**-16.2%**
citrus fruit	407.9	-1.4%	1 651.9	-14.2%
openfield fruit (1)	270.6	-13.4%	740.3	-18.6%
bananas	188.6	-21.3%	767.5	-29.5%
others (2)	256.1	15.3%	854.1	-1.1%
Ornementals (estimation)	**902.0**	**0.5%**		
Coffee	**13.1**	**-19.6%**	**19.3**	**48.2%**
Copra (3)	**5.4**	**-65.7%**	**57.4**	**-65.4%**
Vanilla	**14.8**	**4.1%**	**0.7**	**117.0%**
Tea tree. sandalwood (4)	**266.1**	**40.0%**	**6.5**	**24.3%**
Sandalwood by-products	**2.8**	**-21.9%**	**25.0**	**-21.9%**
Plant production	**4 951.6**	**5.5%**		
Timber	**250.4**	**3.8%**		
lumber (5)	116.5	-7.5%	1 526.6	-13.7%
industrial timber (6)	133.9	16.0%	101 479 u	11.1%

Source : DAVAR, provinces, ERPA, OCEF, ARBOFRUITS, Chamber of agriculture

(1) melon, watermelon, strawberry, raspberry.

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

(3) main end products are 27 tons of oil and 20 tons of copra meal.

(4) essential oils (exports data for sandalwood essential oils).

(5) tonnage equivalent to 2 040 m^3 of lumber.

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

Exports 2011	Value *	Evol/10	Tons/U	Evol/10
Essential oils (1)	**252,2**	**45,4%**	**5,9**	**35,2%**
Vegetables (2)	**104,4**	**25,9%**	**2 462,0**	**18,3%**
squash representing	*101,1*	*29,4%*	*2 455,0*	*18,9%*
Fruits (3)	**12,6**	**25,2%**	**21,7**	**10,0%**
Coffee (4)	**4,3**	**81,3%**	**1,8**	**12,5%**
Others	**4,3**	**77,7%**	///	///
Plant production	**377,8**	**39,7%**		

*Value : FOB cost in million XPF

Source : Customs, ERPA

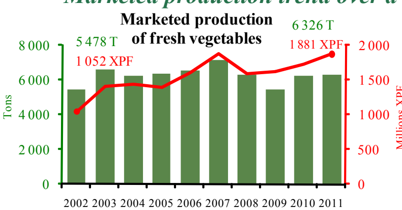
(1) sandalwood and tea tree.

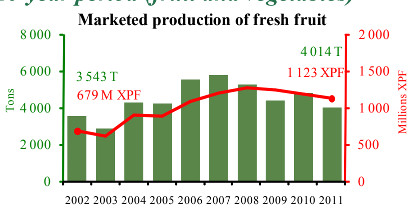
(2) squash, zucchini, eggplant and capsicum.

(3) lime and pineapple.

(4) unit in equivalent tons of green coffee.

Marketed production trend over a 10-year period (fruit and vegetables)





AGRICULTURAL PRODUCE IMPORTS

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

(2) including rabbit meat.

(3) 9 990 chicks (8 490 cocks and hens, 1 500 other poultry animals).

(4) including dried fruit and vegetables.

(5) unit in equivalent tons of green coffee (according to the 2001 International Coffee Agreement), that is 623 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(6) 12 400 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 15 000 m³.

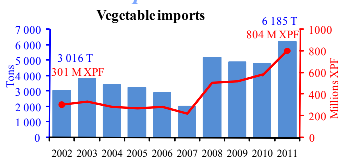
(7) 0.7 ton of oyster spats and 115 tons of oysters.

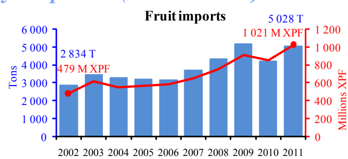
2011	Value *	Evol/10	Tons/U	Evol/10
Cattle	**1 386.4**	**28.5%**		
beef	1 379.7	30.8%	2 036.2	20.1%
breeding animals	0.0	-100.0%	0 (u)	-100.0%
semen	6.8	29.7%		///
Milk and dairy products (1)	**4 296.4**	**18.1%**	**78 602.1 (u)**	**1.9%**
Aviculture	**2 276.1**	**26.2%**		
chicken meat	1 890.7	26.1%	9 239.4	10.4%
poultry meat (2)	272.5	15.1%	365.8	9.8%
fresh eggs	70.9	122.1%	350.0	125.6%
hatching eggs	36.9	23.8%	39.0	17.9%
livestock (3)	5.0	4.7%	9 990 (u)	44.8%
Pork	**158.4**	**-4.2%**	**535.1**	**-4.1%**
Small ruminants	**400.4**	**-16.8%**		
mutton	400.4	-15.7%	532.9	-24.0%
venison	0.0	///	0.0	///
live sheep	0.0	///	0 (u)	///
Horses	**0.0**	**///**	**0 (u)**	**///**
Bee products	**2.6**	**-24.2%**	**2.8**	**-37.9%**
Fruit and vegetables (4)	**1 824.5**	**30.1%**	**11 213.3**	**25.0%**
fruit	1 020.7	20.2%	5 028.3	19.6%
vegetables	557.0	25.5%	2 593.0	9.3%
onions	101.3	38.8%	1 168.7	-0.4%
potatoes	145.7	134.1%	2 423.3	96.5%
Ornementals	**93.4**	**-14.9%**		
Coffee (5)	**708.5**	**17.9%**	**1 127.3**	**-12.2%**
Vanilla	**3.3**	**-4.8%**	**0.2**	**-34.7%**
Grain	**2 066.9**	**6.9%**	**46 712.3**	**5.4%**
Tea tree. sandalwood	**1.8**	**19.2%**	**0.7**	**67.8%**
Total agriculture	**13 218.7**	**17.5%**		
Timber (6)	**887.5**	**-11.1%**		
Aquaculture (7)	**111.2**	**0.6%**		
Total imports	**14 217.4**	**15.0%**		

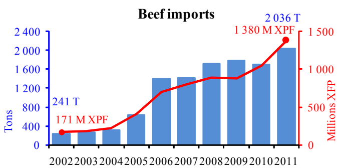
*Value : CIF cost in million XPF

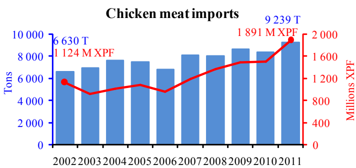
Source : Customs

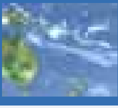
Import trends over a 10-year period (some sectors)











CLIMATOLOGY

Rainfall (mm) :	Normal	2011	2011/ Normal
Koumac	982.2	1 192.9	121.5%
Koné	1 099.8	1 211.8	110.2%
Poindimié	2 626.4	2 756.7	105.0%
Nessadiou (Bourail)	1 256.3	1 482.2	118.0%
Tontouta	908.9	1 375.6	151.3%
Ouanaham (Lifou)	1 742.2	2 308.8	132.5%

• 2011 was marked by the «La Niña» phenomenon :

A strong «La Niña» phenomenon has developped in the equatorial Pacific Ocean in the second half of 2010 and lasted until May 2011. It generated a rainier weather than the average during the first half of the year. After a winter without any «El Niño» or «La Niña» phenomena, «La Niña» grew again but without the hoped for rain at the end of the year.

Temperatures :

➢Minimum and maximum temperatures are above normal in 2011. The highest temperature was recorded in Port-Laguerre Station with 36.7°C on January 1.

Rainfall :

➢Most of the rainfall associated with the strong tropical depression «Vania» occured in the South in January 2011 with numerous monthly rainfall records. The monthly rainfall recorded in Ouinné was 951.1 mm and has broken the record from 1990 (906 mm).

➢If potential evapotranspiration was less marked in 2011, the quarter from September to November was harsh for plants. In La Foa and Hienghène, this quarter was the fourth driest in the last fifty years.

➢The most memorable event is undoubtedly the depression «FINA», wich was associated to large rainy developments. Intense storms occured on Christmas night on the east coast from Ponérihouen to the far south of the mainland. 528.5mm were recorded in 24 hours in Houaïlou (3 times the usual amount for December in this locality).

Wind :

➢Trade winds were constant in 2011 but lower than usual. Some episodes have come to disturb this quietness like «Vania» with gusts recorded in the South up to 152km/h.

Source : Météo France / New-Caledonia - Annual climatological summary 2011

FERTILIZERS AND PHYTOSANITARY PRODUCTS

Marketed fertilizers for professionals of Agriculture in 2011 : 3 674 tons

(+8% compared to 2010)

	Tons*
South Province	3 128.8
North Province	544.0
Islands Province	1.3
TOTAL	**3 674.1**

** About 90% of all fertilizers imported in 2011 were sold to professionnals of Agriculture.*

Use**	Tons
Vegetables	854.7
Pastures	326.4
Fruit	250.1
Squash	182.9
Maize	175.2
Aquaculture	115.3
Potatoes	30.0
Others	348.9
TOTAL	**2 283.5**

Fertilizer type**	Tons
17.17.17	452.6
10.12.24	363.9
Urea	307.4
Calcium nitrate	137.3
Lithothamne	128.4
Potassium nitrate	114.0
0.10.25	64.5
Other fertilizers	715.5
TOTAL	**2 283.5**

*** breakdown only includes fertilizers stockpiled in Ducos (Nouméa) and sold to professionals and servicing centers.*

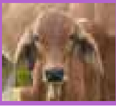
Source : Chamber of agriculture

Phytosanitary products imported for professionals of Agriculture in 2011 :

Category	Herbicides	Insecticides	Fungicides	Misc.	TOTAL*
Tons	121.0 (82.0%)	9.1 (-9.9%)	6.8 (126.7%)	15.1 (-9.6%)	**152.0 (57.8%)**

Source : DAVAR-SIVAP

** About 30% of all herbicides, insecticides and fungicides imported in 2011 (except aerosols) were sold to professionnals of Agriculture.*



AGRICULTURAL FINANCING

Public intervention (in million XPF)	State (1)	NC (2)	South (3)	North (3)	Islands (3)	TOTAL	Evol/10
1 - agriculture and rural territories (4)	**245.2**	**2 480.6**	**747.3**	**864.4**	**148.8**	**4 486.3**	**12%**
11 - markets and agricultural incomes	**0.5**	**2 110.5**	**279.2**	**128.9**	**53.9**	**2 573.1**	**10%**
Price support – cost reduction		799.6	230.6	76.9	3.9	1 111.0	
Products assistance		297.5	4.1			301.6	
Marketing assistance		94.1	12.6	19.8		126.5	
Sector organization and modernization	0.5	87.7	12.0		2.5	118.9	
Promotion and quality management systems		61.0	19.9	10.5	29.3	120.7	
Risk management (including emergencies)		734.3		21.0		755.3	
Other actions		36.4		0.7	18.3	55.4	
12 - rural development	**244.6**	**189.5**	**468.1**	**735.4**	**94.9**	**1 732.6**	**15%**
Setting up. modernization. pollution control	17.7	15.9	373.6	365.3	49.2	821.8	
Cessation of agricultural activities		6.6				6.6	
Agricultural environment intervention	25.2		0.5			25.7	
Development and protection of the countryside	8.9		51.9			60.8	
Processing and marketing of agricultural produce	75.7			167.2	41.2	284.0	
Horse-related activities	17.9	35.2	42.1	2.3		80.8	
Others	99.3	131.8		200.6	4.5	629.5	
13 - sanitary safety of plants and animals		**180.6**				**180.6**	**9%**
2 - aquaculture (4)	**2.3**	**454.2**	**141.0**	**151.2**		**748.6**	**9%**
3 - forestry (4)	**101.9**	**153.0**	**97.5**	**85.7**		**438.2**	**-12%**
TOTAL 1 + 2 + 3	**349.3**	**3 177.8**	**985.8**	**1 101.3**	**148.8**	**5 673.1**	**9%**
Share per level of government	***6%***	***54%***	***17%***	***19%***	***3%***	***100%***	
4 - education and research (4)	**837.9**	**90.0**	**261.5**	**161.6**	**20.2**	**1 371.2**	**-17%**

(1) French state, DAFE, ADRAF.
(2) New Caledonia (DAVAR, Customs) and public corporations (ERPA, APICAN, 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 2011 to agriculture, aquaculture, forestry and agricultural education. The figures are not exhaustive and are likely to be amended in future publications.

AGRICULTURAL TRAINING

All 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							
		CAPA	BEPA	BPA	BP	BTA	BAC Technical & Vocational	BTSA	Total
2009	**706**	66	37	19	7	-	48	15	**192**
2010	**770**	47	42	18	1	-	36	14	**158**
2011	**775**	32	56	8	-	-	48	22	**166**

CAPA : Certificat d'aptitude professionnelle agricole / BP : Brevet professionnel / BTSA : Brevet de technicien supérieur agricole
BEPA : Brevet d'études professionnelles agricoles / BTA : Brevet de technicien agricole
BPA : Brevet professionnel agricole / Bac Technical & Vocational : technical & vocational Baccalauréats

Source : DAFE

The non-monetary market in food supply of New Caledonian households

The MBA Consultants company, franchised by TNS, is conducting a survey in order to assess and track supplies of products of animal origin, fruit and vegetables (local production and imports) in New Caledonian households since 2003.

The reconstruction of consumed volumes is made from a survey of a sample of 250 representative households, quaterly, in the whole of New Caledonia. This survey consists of a control of household stocks.

The weight, the place of purchase and the frequency of inventory consumption is recorded for each identified product.

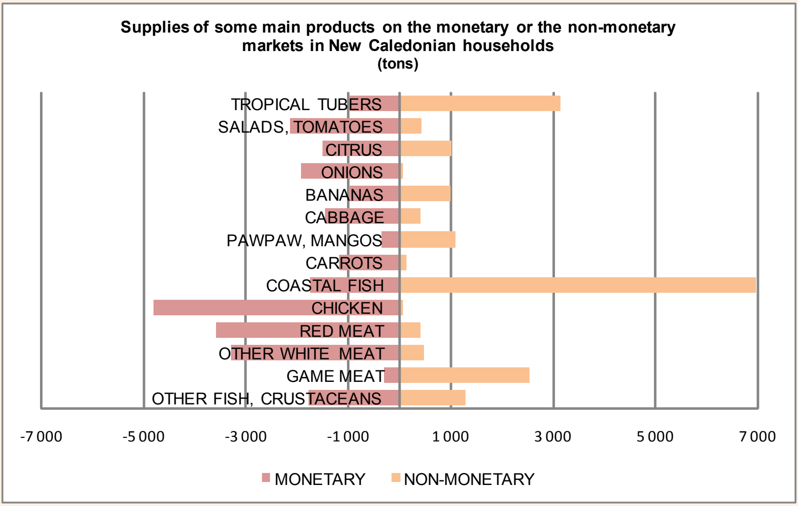
Two different markets are identified :

- the « monetary » market : super and hypermarkets, retail stores, market places, fairs and direct sales from producer to consumer ;
- the « non-monetary » market : barter, gifts and home-grown consumption.

For the past three years, the share of the non-monetary market for food supply in New Caledonian households has been on average :

- 11 800 tons per year out of 27 700 tons in total for animal products, which represents 42% ;
- 10 800 tons per year out of 37 900 tons in total for fruit and vegetables, which represents 28%.

The presence of a non-monetary market varies between products :



Coastal fish and game meat (deers and wild pigs) represent about 80% of supply of animal products on the non-monetary market. Tropical tubers, bananas, pawpaw, mangos and mandarines represent juste over 50% of the non-monetary market in fruit and vegetables. Tropical tubers represent an almost 30% share.

Figures for 2011 shown in this memento are provisional (data avaible on 15th of June 2012) and may be modified in future publications.

Publications of the Statistics section are consultable on : http://www.davar.gouv.nc.

Editor : Christian DESOUTTER - Editing and composition : SESER/Statistics Section