

**Department of veterinary, food
and rural affairs**

Water and Rural Statistics and Surveys Department

Rural Affairs - Statistics Section

**Agricultural
Memorandum
Data 2010**

Picture : Jean-Michel Nagle, Djena Chevalier

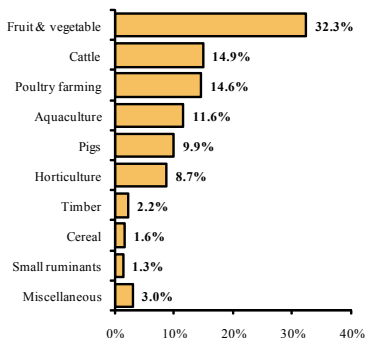
June 2011

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FINAL AGRICULTURAL PRODUCTION 2010

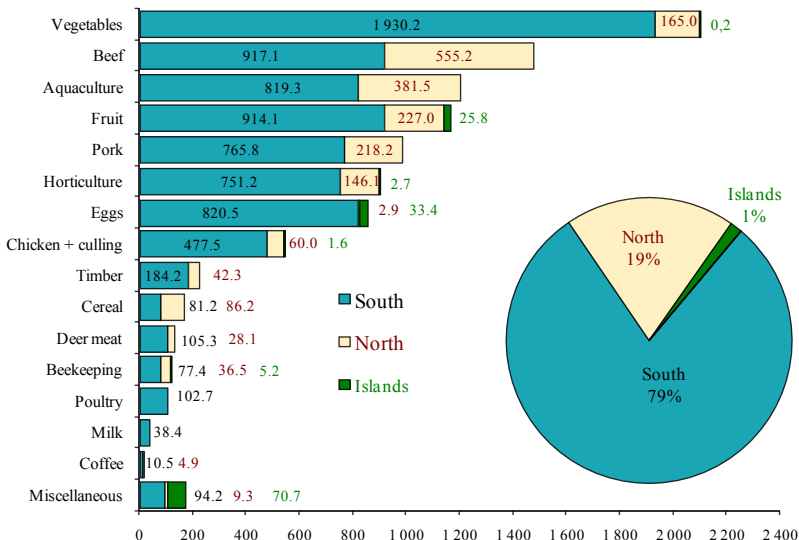
Percentage breakdown by rural sector



	Total in million XPF	
	2010	Evol/09
Vegetable production	4 577.1	3.5%
Animal production	4 372.8	7.9%
Total agriculture	8 949.9	5.6%
Aquaculture	1 200.8	-34.3%
Timber	226.5	9.3%
Total Rural sector	10 377.2	-1.2%

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 Memorandum tables) :

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

Evol/09 : trends shown in the 2010 memorandum are calculated in relation to the revised 2009 figures, which are sometimes different from those published in the memorandum of June 2010.



ANIMAL PRODUCTION

Marketed production in 2010

	Total in million XPF		Tons or Units (u)	
	2010	Evol/09	2010	Evol/09
Cattle	1 544.1	7.4%		
meat	1 505.7	6.3%	3 419.3	7.1%
including OCEF	1 215.7	11.7%	2 758.1	12.9%
including provision of a service	1.0	-77.9%	4.4	-77.9%
including domestic butchery	289.0	-10.6%	656.8	-9.9%
milk ⁽¹⁾	38.4	73.2%	316.2 u	15.3%
Poultry farming	1 511.0	11.4%		
eggs ⁽²⁾	856.7	1.8%	35.9 u	8.6%
chicken + culling	539.0	27.0%	797.9	9.6%
poultry ⁽³⁾	102.7	30.6%	77.7	25.2%
livestock exports	12.6	1.0%	55 250 u	12.1%
Pigs	1 030.1	-0.3%		
meat	1 029.8	-0.3%	2 254.5	-0.3%
including OCEF	687.4	15.4%	1 498.4	15.3%
including provision of a service	45.8	5.1%	110.3	5.1%
including domestic butchery	296.6	-24.6%	645.8	-24.7%
livestock exports	0.3	///	5 u	///
Small ruminants	139.3	37.9%	278.8	46.5%
deer meat	133.4	38.3%	268.4	47.3%
mutton and goat meat	5.9	29.2%	10.3	28.3%
Horse breeding ⁽⁴⁾	29.1	0.0%		
Beekeeping ⁽⁵⁾	119.1	27.1%	93.2	41.2%
Animal production (agriculture)	4 372.8	7.9%		
Aquaculture	1 200.8	-34.3%		
prawns	1 118.3	-36.4%	1 124.0	-38.6%
oysters ⁽⁶⁾	77.0	27.4%	64.0	5.9%
crayfish	5.5	-38.9%	3.0	-40.0%

(1) unit : one thousand litres of milk.

(2) unit : million eggs.

(3) including rabbit keeping and game birds.

(4) estimated value. Note : 221 births declared in 2010, including 177 in the South Province, 16 in the North Province and 28 by artificial inseminations.

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

(6) reared oysters only, tonnage equivalent to approx. 64 000 dozen.

Pig sector :
27 325 head slaughtered
(27 458 in 2009)

OCEF average producer sale price :

473 XPF/kg
(+0.1% compared to 2009)

Artificial inseminations :

Inseminated sows : **244**

(198 in 2009)

Gestation rate (28 days) : **61%**

Source : UPRA porcine

Sources : DAVAR, Provinces, ERPA, GFA, OCEF, UPRA bovine, porcine, équine, ovine et caprine

Exports in 2010

	Total *	Evol/09	Tons/U	Evol/09
Livestock ⁽¹⁾	12.9	3.4%	55 255 u⁽¹⁾	12.1%
Meat ⁽²⁾	68.6	34.5%	91.6	42.6%
Others	0.4	-39.3%		
Total animal exports (agriculture)	81.9	27.7%		
Prawns	1 024.9	-22.2%	745.7	-30.9%
Total animal exports	1 257.2	-23.6%		

(1) 55 250 poultry (cocks and hens not exceeding 185g) and 5 pigs.

(2) Dear meat.

*Total : FOB cost in million XPF

Source : Customs

Bovine sector : 18 395 head slaughtered
(16 787 in 2009)

Artificial inseminations (A.I.) and artificial inembryonations (A.E.) :

Number of A.I. : **443** (447 in 2009) Gestation rate (45 days) : **59%**

Number of A.E. : **9** (18 in 2009) Gestation rate (45 days) : **25%**

Source : UPRA bovine

Category	Slaughtered tonnage		OCEF average producer price (XPF/kg)	
	2010	Evol/09	2010	Evol/09
Mature cattle	1 907	3.9%	458	-1.9%
Young cattle	360	22.3%	423	1.3%
Calves	1 152	8.5%	460	0.0%
Total	3 419	7.1%	454	-1.0%

Sources : OCEF, DAVAR



VEGETABLE PRODUCTION

- (1) melon, watermelon, strawberry.
- (2) including pineapple, mango, lychee, papaya, avocado...
- (3) mainly end products in 78 tons of oil and 56 tons of oil-cake.
- (4) tonnage équivalent to 2 360 m³ of lumber.
- (5) produced units : posts, poles, stakes.

Marketed production in 2010	Total in million XPF		Tons or Unity (u)	
	2010	Evol/09	2010	Evol/09
Vegetables	2 154.3	2.6%	9 976.4	-0.7%
fresh vegetables	1 720.7	5.8%	6 190.0	12.9%
dried onions	75.9	-49.7%	356.6	-49.8%
squashes	132.7	13.7%	2 092.5	1.8%
tropical tuber	161.7	48.2%	469.6	52.4%
potatoes	63.4	-34.2%	867.8	-41.7%
Fruits	1 195.5	-4.0%	4 771.0	8.3%
citrus fruits	414.0	15.9%	1 927.6	15.7%
sweet bananas	239.8	-3.6%	1 088.5	-4.9%
fruits of full field ⁽¹⁾	317.2	-9.3%	892.9	27.5%
Others ⁽²⁾	224.5	-22.4%	861.9	-3.8%
Horticulture (évaluation)	900.0	5.9%		
Coffee	15.4	68.0%	13.0	45.3%
Copra ⁽³⁾	15.8	191.9%	165.9	193.6%
Vanilla	3.7	-13.3%	0.1	-31.8%
Cereals	167.4	39.6%	3 334.9	25.2%
Niaouli, sandalwood	115.2	40.5%	3.0	17.9%
Sandalwood by-products	9.7	27.5%	63.0	18.9%
Vegetable production	4 577.1	3.5%		
Timber sector	226.5	9.3%		
lumber ⁽⁴⁾	125.9	-0.3%	1 768.1	-3.7%
industrial timber ⁽⁵⁾	100.6	24.3%	91 379 u	-16.5%

Sources : DAVAR, Provinces, ERPA, OCEF, ARBOFRUITS, Chamber of agriculture

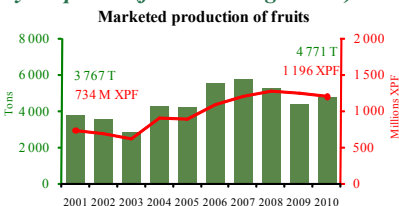
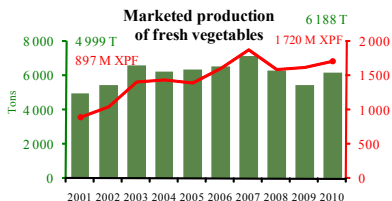
- (1) sandalwood and niaouli.
- (2) lime, pineapple and mango.
- (3) unit in equivalent tons of green coffee.

Exports in 2010	Total *	Evol/09	Tons/U	Evol/09
Essential oils ⁽¹⁾	173,6	32,5%	4,4	98,7%
Vegetables	82,9	27,8%	2 091,5	3,2%
squash representing	78,1	26,8%	2 074,6	3,2%
Fruits ⁽²⁾	11,6	26,4%	24,5	22,8%
Coffee ⁽³⁾	2,1	-59,7%	1,0	-47,6%
Others	3,3	-30,7%	///	///
Vegetable production	273,3	27,2%		

*Total : FOB cost in million XPF

Sources : Customs, ERPA

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



AGRICULTURAL PRODUCE IMPORTS

(1) unit in equivalent thousand litres of milk.

(2) including rabbit keeping.

(3) 6 900 chicks (5 700 cocks and hens, 1 200 other poultry animals).

(4) including dried fruits and vegetables.

(5) unit in equivalent tons of green coffee (according to the 2001 International Coffee Agreement), that is 736 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(6) 14 000 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 18 000 m³.

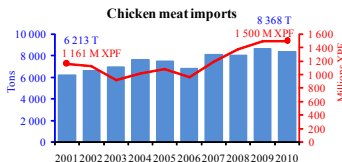
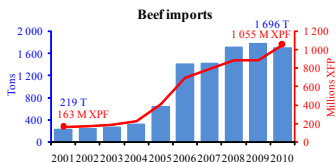
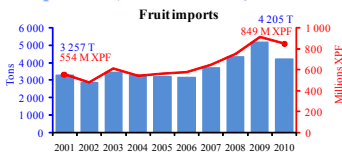
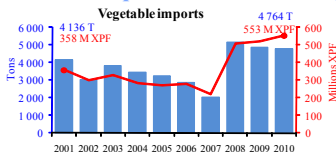
(7) 0.8 ton of oyster spats and 138 tons of oysters.

2010	Total *	Evol/09	Tons/U	Evol/09
Cattle	1 079.0	13.4%		
beef	1 054.6	19.3%	1 695.9	-4.5%
breeding animals	19.2	-71.4%	15 (u)	-79.7%
bull semen	5.2	394.1%	///	///
Milk and dairy products ⁽¹⁾	3 637.6	10.2%	77 125.8	7.5%
Aviculture	1 802.9	0.0%		
chicken meat	1 499.6	0.4%	8 368.3	-3.0%
poultry meat ⁽²⁾	236.8	9.9%	333.1	8.5%
fresh eggs	31.9	-12.1%	155.2	-9.5%
hatching eggs	29.8	-43.3%	33.1	-64.1%
livestock ⁽³⁾	4.8	32.4%	6 900 (u)	40.8%
Pigs (pork)	165.3	48.5%	558.3	54.3%
Small ruminants	481.3	43.7%		
mutton	474.8	41.9%	701.1	17.0%
deer meat	0.2	-49.5%	0.2	-0.6%
breeding sheep	6.4	///	243 (u)	///
Horses	28.4	-36.3%	42 (u)	-40.0%
Beekeeping	3.4	55.7%	4.5	27.2%
Fruits and vegetables ⁽⁴⁾	1 402.4	-2.2%	8 969.9	-10.5%
fruits	849.0	-7.2%	4 205.5	-18.7%
vegetables	418.3	-3.4%	2 357.9	-11.5%
onions	72.9	106.5%	1 173.2	40.9%
potatoes	62.2	21.6%	1 233.3	-8.7%
Horticulture	109.8	23.8%		
Coffee ⁽⁵⁾	601.1	9.5%	1 284.5	-8.5%
Vanilla	3.4	14.4%	0.4	-19.8%
Cereals	1 949.1	3.8%	44 344.6	9.7%
Niaouli, sandalwood	1.5	20.6%	0.4	-6.9%
Total agriculture	11 265.3	7.3%		
Timber sector ⁽⁶⁾	998.4	21.3%		
Aquaculture ⁽⁷⁾	110.5	-14.2%		
Total imports	12 374.2	8.0%		

*Total : CIF cost in million XPF

Sources : Customs

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





CLIMATOLOGY

Rainfall (mm) in :

	Normals	2010	2010/Normals
Koumac	982.2	997.2	101.5%
Koné	1 099.8	808.8	73.5%
Poindimié	2 626.4	2 544.4	96.9%
Canala	1 728.6	1 314.2	76.0%
Nessadiou (Bourail)	1 256.3	848.8	67.6%
Tontouta	908.9	672.7	74.0%
Ouanaham (Lifou)	1 742.2	1 578.6	90.6%

• Commentary :

In 2010 there was a succession of two phenomena :

- «El Niño» phenomenon which generated a significant rainfall deficit until May (-20% throughout the year on the whole of New-Caledonia) ;
- then «La Niña» phenomenon on the second half of the year, which generated temperatures higher than the average.

• 2010 : some memorable events

Rainfall :

➤ an ungenerous rainy season : in the first quarter of the year, totals are below average, with up to -90% in Canala in March.

➤ a monthly rainfall record was recorded in May with 652.5mm in Ouinné after two intense storm episodes.

Temperatures :

➤ After starting the year with rather mild temperatures, a heat wave occurs at the end of the year, with especially 38.5°C the 29th of December in Dumbéa.

Wind :

➤ Strongest wind gust (101 km/h) recorded on the 4th of July in Montagne des Sources and on the 14th of April in Poingam.

Source : Météo France / New-Caledonia - Annual climatological summary 2010

FERTILIZERS AND PHYTOSANITARY PRODUCTS

Marketed fertilizers in 2010 : 3 400 tons (+19 % compared to 2009)

	Tons
South Province	2 783.7
North Province	613.4
Islands Province	3.5
TOTAL	3 400.6

Use*	Tons
Market gardening	765.8
Pasture	466.9
Fruits	289.7
Corn	171.9
Squash	142.0
Potatoes	117.6
Aquaculture	74.2
Others	389.6
TOTAL	2 417.7

Kind of fertilizer*	Tons
10.12.24	571.0
17.17.17	538.0
Urea	487.0
0.10.25	432.2
Calcium nitrate	211.1
Physiolith	210.3
Lithothamne	145.9
Other fertilizers	805.1
TOTAL	3 400.6

Source : Chamber of agriculture

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

Phytosanitary products imported in 2010 : 96 tons (+9 % compared to 2009)

Category	Herbicides	Insecticides	Fungicides	Misc.	TOTAL
Tons	66.5 (4.9%)	10.1 (16.1%)	3.0 (-36.2%)	16.7 (42.7%)	96.3 (8.8%)

Source : DAVAR-SIVAP



THE FINANCING OF AGRICULTURE

Incentive packages (in million XPF)

	State (1)	NC (2)	South (3)	North (3)	Islands (3)	TOTAL	Evol/08
1 - agriculture and rural territories (4)	555.5	2 201.1	698.2	584.8	134.8	4 174.3	16%
11 - markets and agricultural incomes	21.9	1 803.8	310.5	152.2	18.6	2 307.0	6%
Price support – cost reduction		815.1	239.7	107.5	2.5	1 164.9	
Producer assistance		329.5	7.9	5.0		342.4	
Marketing assistance		101.2	15.0	17.0	0.1	133.2	
Sector organization and modernization	21.9	53.8	33.3		10.5	119.5	
Promotion and quality management systems		56.1	14.6	11.5	5.5	87.6	
Risk management (including emergencies)		427.5		11.0		438.5	
Other actions		20.6		0.2	0.1	20.8	
12 - rural development	533.6	231.4	387.7	432.6	116.1	1 701.4	30%
Setting up, modernization, pollution control	16.9	8.2	350.7	227.9	37.1	640.8	
Cessation of agriculture activities		7.5				7.5	
Agri-environmental measures	5.5		0.3			5.9	
Development and protection of the countryside			4.1			4.1	
Processing and marketing of agricultural produce	53.2			15.8		69.0	
Horse-related activities	17.9	35.0	32.5	2.3		87.8	
Others	440.1	180.6		186.5	79.0	886.2	
13 - sanitary safety of plants and animals		166.0				166.0	44%
2 - aquaculture (4)	0.5	515.6	34.5	135.9		686.5	32%
3 - forestry (4)	66.1	195.0	113.3	4.9		379.4	57%
TOTAL 1 + 2 + 3	622.2	2 911.7	846.0	725.6	134.8	5 240.3	20%
4 - education and research (4)	997.0	95.5	274.1	157.2	15.0	1 538.8	-4%

(1) High commission, DAFE, ADRAF.

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

(3) South, North and Islands Provinces.

(4) The personnel and operating costs relating 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 2010 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) :

Direction du service d'Etat de l'agriculture de la forêt et de l'environnement (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 of the ministry of Agriculture						
		CAPA	BEPA	BPA	BP	BTA	BAC Technical & Vocational	Total
2008	760	94	44	18	10	-	43	237
2009	706	66	37	19	7	-	48	192
2010	770	47	41	18	1	-	36	157

CAPA : Certificat d'aptitudes professionnelles agricoles / BP : Brevet professionnel / BTS : 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 suckler cow premium's measure

The premium for maintaining productive suckler cow was implemented by the New-Caledonian Government from the 1st of January 2007. This should especially help «boosting beef production by promoting recapitalization of breeding herds and by improving cattle livestock farmers' income». (Deliberation number 240 of the 15th of December 2006).

1,25 billion XPF of premia has been paid to farmers since 2007 :

Year	Number of approved files	Number of suckler cows	Number of born calves reported	Premia paid (Million XPF)
2007	370	23 901	17 321	296
2008	428	27 500	18 160	321
2009	469	30 757	18 280	322
2010	504	31 785	16 674	308

Updated in March 2011

The economic impact of the measure especially resulted in a change of the slaughtered cattle tonnage. After a minimum reached in 2006 with 2 992 tons, slaughter regularly increased, reaching 3 419 tons in 2010.

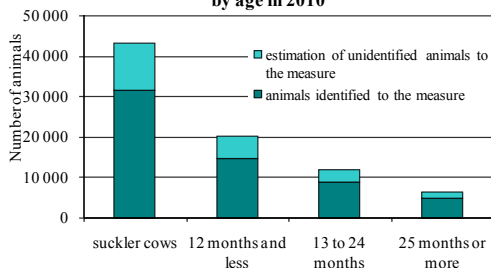
Due to the premium management, statistics have been collected on cattle in New-Caledonia :

- the average age of farmers in 2002 was 51 years (source : Census of agriculture 2002). It is 54 years for farmers enrolled in the measure in 2010. 58% of farmers are more than 50 years old.

- 13% of farms are headed by women.

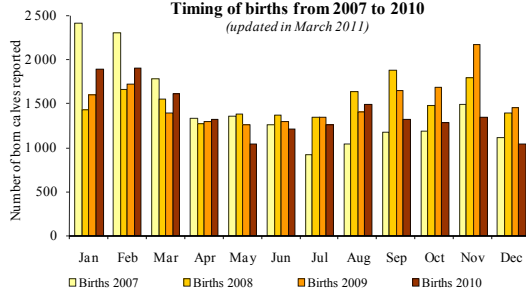
- in 2010 the New-Caledonian cattle population is estimated at 80 000 animals (111 000 animals in 2002).

Estimation of the New-Caledonian cattle by age in 2010



Timing of births from 2007 to 2010

(updated in March 2011)



Due to the suckler cow premium's measure, births are monthly recorded. They are usually concentrated at the beginning and at the end of the year.

Births of the first quarter of 2010 (+10% compared to 2009) suggested good prospect for the rest of the year. Those good results weren't confirmed. Indeed the number of births in 2010 decreased by 9% compared to 2009.

The figures for 2010 shown in this memorandum are provisional (data available on 15th of May 2011) and may be modified in future publications.

The publications of the Statistics section are consultable on : <http://www.davar.gouv.nc>.