



**Department of Veterinary,
Food and Rural affairs**

Water and Rural Statistics and Surveys Department
Rural Affairs - Statistics Section

Agricultural Memorandum Data 2009

Pictures : Michel Helly (banana plantation, Ouegoa)

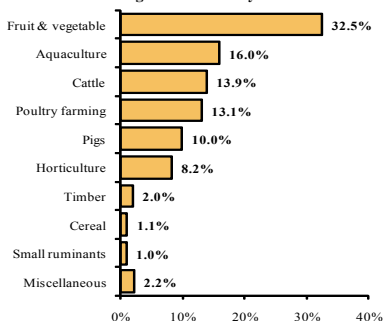
June 2010

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FINAL AGRICULTURAL PRODUCTION 2009

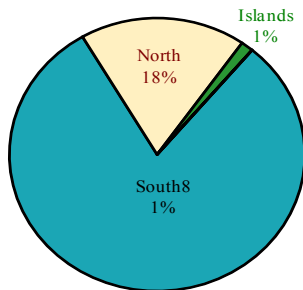
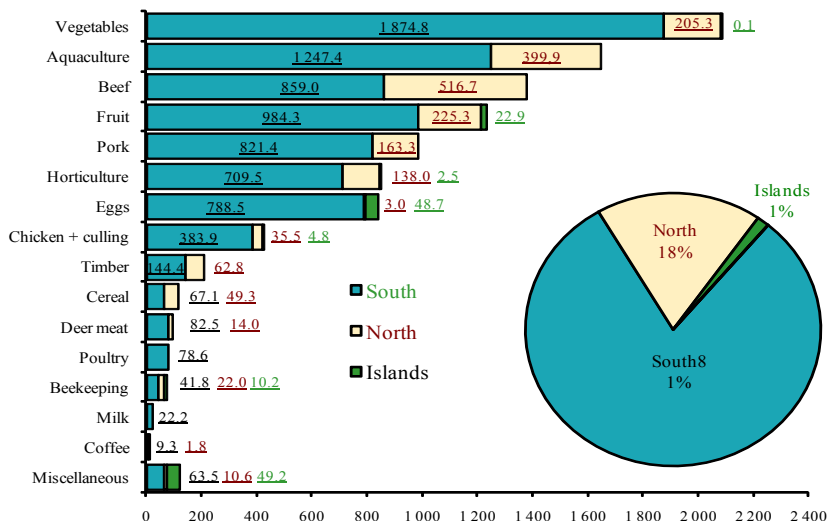
Percentage breakdown by rural sector



	Total in million XPF	
	2009	Evol/08
Vegetable production	4 424.7	-2.0%
Animal production	4 045.0	-1.9%
Total agriculture	8 469.7	-1.9%
Aquaculture	1 647.3	-13.9%
Timber	207.2	-7.2%
Total Rural sector	10 324.2	-4.2%

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

Marketed agricultural production, breakdown by Province
(provisional figures, million XPF)



Abbreviations (for all Memorandum tables) :

ng : data not given

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

Evol/08 : trends shown in the 2009 memorandum are calculated in relation to the revised 2008 figures, which are sometimes different from those published in the memorandum of June 2009.



ANIMAL PRODUCTION

Marketed production in 2009

	Total in million XPF		Tons or Units (u)	
	2009	Evol/08	2009	Evol/08
Cattle	1 436.4	1.4%		
meat	1 414.2	2.9%	3 181.0	1.1%
including OCEF	1 088.2	7.2%	2 443.2	6.6%
including provision of a service	4.4	-17.6%	19.9	-17.6%
including domestic butchery	321.6	-9.3%	717.9	-13.5%
milk ⁽¹⁾	22.2	-47.2%	274.3 u	-47.7%
Poultry farming	1 355.3	-2.2%		
eggs ⁽²⁾	840.2	8.9%	33.7 u	16.1%
chicken + culling	424.1	-19.3%	703.8	-16.2%
poultry ⁽³⁾	78.6	-0.4%	61.8	-8.0%
livestock exports	12.4	22.9%	49 290 u	0.2%
Pigs	1 029.4	-5.3%		
meat	1 029.4	-5.3%	2 254.1	-5.0%
including OCEF	395.8	-1.2%	1 294.4	-0.7%
including provision of a service	43.6	-28.2%	104.9	-28.6%
including domestic butchery	390.0	-7.8%	849.8	-7.4%
Small ruminants	101.1	2.3%	190.4	-2.9%
deer meat	96.5	4.0%	182.3	-1.8%
mutton and goat meat	4.6	-23.8%	8.1	-22.3%
Horse breeding ⁽⁴⁾	29.1	-1.4%		
Beekeeping ⁽⁵⁾	93.7	-13.2%	66.0	-28.8%
Animal production (agriculture)	4 045.0	-1.9%		
Aquaculture	1 647.3	-13.9%		
prawns	1 586.9	-13.9%	1 828.4	-10.2%
oysters ⁽⁶⁾	60.4	-1.9%	60.4	-9.1%
crayfish	ng	///	ng	///

(1) unit : one thousand litres of milk.

(2) unit : million eggs.

(3) including rabbit keeping and game birds.

(4) estimated value. Note : 206 births declared in 2009, including 148 in the South Province, 25 in the North Province and 33 by artificial inseminations.

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

(6) reared oysters only, tonnage equivalent to approx. 60 000 dozen.

Pig sector :
27 332 head slaughtered
(28 021 in 2008)

OCEF average producer sale price :

473 XPF/kg

(-0.5% compared to 2008)

Artificial inseminations :

Inseminated sows : **198**

(171 in 2008)

Gestation rate (28 days) : **57%**

Source : UPRA porcine

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

Exports in 2009

	Total *	Evol/08	Tons/U	Evol/08
Livestock ⁽¹⁾	12.4	22.9%	49 290 u⁽¹⁾	0.2%
Meat, fat	51.0	-2.7%	64.2	-1.1%
deer meat representing	51.0	-2.4%	64.2	-0.5%
Others	0.6	12.9%		
Total animal exports (agriculture)	64.1	1.5%		
Prawns	1 317.1	-16.8%	1 079.3	-16.6%
Total animal exports	1 496.2	-9.1%		

(1) 49 290 poultry (cocks and hens not exceeding 185g).

*Total : FOB cost in million XPF

Source : Customs

Bovine sector : 16 729 head slaughtered
(16 333 in 2008)

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

Number of A.I. : **447** (419 in 2008)

Number of A.E. : **18** (20 in 2008) Gestation rate (45 days) : **30 %**

Source : UPRA bovine

Category	Slaughtered tonnage		OCEF average producer price (XPF/kg)	
	2009	Evol/08	2009	Evol/08
Mature cattle	1 826	1.8%	467	1.3%
Young cattle	295	-7.4%	417	-2.0%
Calves	1 158	2.4%	460	-0.3%
Total	3 181	1.1%	458	0.7%

Sources : OCEF DAVAR



VEGETABLE PRODUCTION

- (1) melon, watermelon, strawberry.
- (2) including pineapple, mango, lychee, papaya, avocado...
- (3) mainly end products in 27 tons of oil and 30 tons of oil-cake.
- (4) tonnage équivalent to 2 450 m³ of lumber.
- (5) produced units : posts, poles, stakes.

Marketed production in 2009	Total in million XPF		Tons or Unity (u)	
	2009	Evol/08	2009	Evol/08
Vegetables	2 106.6	1.3%	10 042.7	-13.5%
fresh vegetables	1 626.1	2.3%	5 481.5	-12.9%
dried onions	150.8	16.9%	710.1	2.6%
squashes	116.3	-18.1%	2 052.9	-18.7%
tropical tuber	117.1	15.3%	310.0	-7.5%
potatoes	96.3	-18.0%	1 487.9	-16.1%
Fruits	1 245.1	-2.4%	4 397.3	-16.3%
citrus fruits	357.3	-23.2%	1 665.8	-24.4%
sweet bananas	248.9	-2.1%	1 144.9	-8.9%
fruits of full field ⁽¹⁾	449.7	36.9%	700.1	-6.4%
Others ⁽²⁾	289.8	-3.6%	886.5	-15.2%
Horticulture (évaluation)	850.0	1.5%		
Coffee	11.1	-59.7%	6.7	-79.8%
Copra ⁽³⁾	5.4	-46%	57.0	-53.3%
Vanilla	4.3	-82.7%	0.1	-81.9%
Cereals	116.4	-35.0%	2 587.0	-38.4%
Niaouli, sandalwood	78.2	6.9%	2.5	8.5%
Sandalwood by-products	7.6	-13.7%	53.0	0.0%
Vegetable production	4 427.7	-2.0%		
Timber sector	207.2	-7.2%		
lumber ⁽⁴⁾	126.3	-11.3%	1 837.5	-14.0%
industrial timber ⁽⁵⁾	80.9	-0.2%	109 425 u	5.6%

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

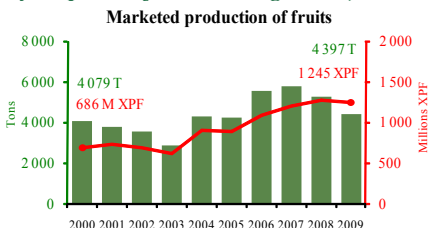
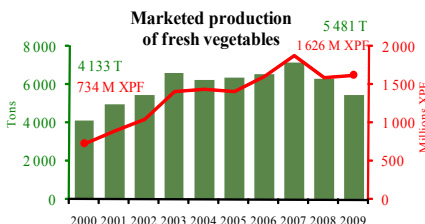
- (1) sandalwood and niaouli.
- (2) mainly lime and lychee.

Exports in 2009	Total *	Evol/08	Tons/U	Evol/08
Essential oils ⁽¹⁾	131.0	16.2%	21.7	1 049.9%
Vegetables	65.2	-6.1%	2 026.8	-25.3%
squash representing	61.6	6.1%	2 011.0	-22.7%
Fruits ⁽²⁾	15.6	-28.9%	33.9	-33.7%
Arabica coffee	11.8	0.9%	8.0	49.0%
Others	4.7	-83.6%	///	///
Vegetable production	228.3	-6.6%		

*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) 4 900 chicks (3 400 cocks and hens, 1 500 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 829 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(6) 16 000 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 20 000 m³.

(7) 7 tons of prawns, 2.3 tons of oyster spats and 151 tons of oysters.

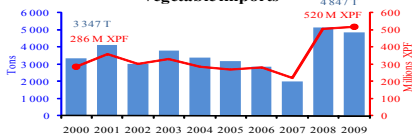
2009	Total *	Evol/08	Tons/U	Evol/08
Cattle	951.9	-0.3%		
beef	883.6	-0.7%	1 776.6	3.9%
breeding animals	67.2	6.2%	74 (u)	2.8%
bull semen	1.1	-52.7%	///	///
Milk and dairy products ⁽¹⁾	3 301.0	0.4%	71 766.2	9.2%
Aviculture	1 802.0	8.1%		
chicken meat	1 494.1	8.6%	8 627.1	7.5%
poultry meat ⁽²⁾	215.4	-6.0%	306.9	-13.2%
fresh eggs	36.3	1 098.2%	171.4	1 169.7%
hatching eggs	52.7	-8.2%	92.0	-49.3%
livestock ⁽³⁾	3.6	37.1%	4 900 (u)	55.1%
Pigs (pork)	111.3	19.3%	361.7	-0.8%
Small ruminants	335.0	4.5%		
mutton	334.7	4.6%	599.1	-0.8%
deer meat	0.4	-24.5%	0.2	-34.5%
Horses	44.6	410.2%	70 (u)	337.5%
Beekeeping	2.2	17.7%	3.5	-11.8%
Fruits and vegetables ⁽⁴⁾	1 434.2	-13.9%	10 021.8	5.8%
fruits	914.6	21.6%	5 174.4	19.5%
vegetables	433.2	16.4%	2 663.1	14.1%
onions	35.3	-12.1%	832.9	-1.4%
potatoes	51.1	-46.0%	1 351.5	-31.3%
Horticulture	88.7	-16.3%		
Coffee ⁽⁵⁾	549.1	29.6%	1 403.4	21.5%
Vanilla	3.0	39.2%	0.4	-29.1%
Cereals	1 877.9	-5.8%	40 429.7	-3.2%
Niaouli, sandalwood	1.3	1 038.1%	0.5	527.0%
Total agriculture	10 502.3	3.8%		
Timber sector ⁽⁶⁾	832.3	9.7%		
Aquaculture ⁽⁷⁾	128.8	28.0%		
Total imports	11 463.5	4.4%		

*Total : CIF cost in million XPF

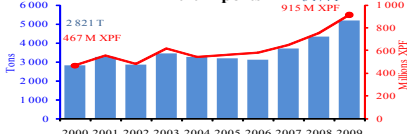
Sources : Customs

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

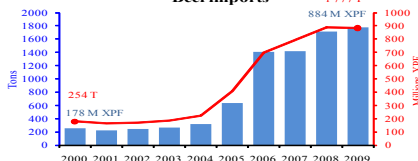
Vegetable imports



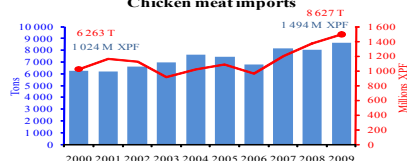
Fruit imports



Beef imports



Chicken meat imports



CLIMATOLOGY

Rainfall (mm) in :	Average	2008	2008/Average
Koumac	982.0	1 556.7	158.5%
Koné	1 095.7	1 531.3	139.8%
Poindimié	2 645.2	3 889.4	147.0%
Canala	1 679.8	3 640.2	216.7%
Bourail	1 166.8	1 697.0	145.4%
Païta	1 164.9	1 495.0	128.3%
Yaté	3 205.1	4 938.8	154.1%
Ouanaham (Lifou)	1 699.4	2 242.6	132.0%

• Commentary :

Rainfall for the year is amply higher than the annual average, especially due to rainfall surplus occurring at the beginning («La Niña» phenomenon) and at the end of the year. In March and April, it was exceptionally wet with many records broken.

Temperatures for the year are higher than the annual average, mainly from July, which has been an exceptionally warm month.

• Some memorable events :

Rainy episodes :

- January 1st (the whole of New-Caledonia)
- February 27th-28th (East cost - record in Canala)
- March 21th-22th (East cost)
- May 18th (North Province)
- November 21th-26th (East cost)

Temperatures :

- the lowest : 6.2°C the 2th of August in La Roche (Maré)
- the highest : 36.8°C the 19th of December in Tontouta and Bouraké

Wind : Strongest wind gust recorded on the 25th of July in Montagne des Sources (119 km/h)

Source : Météo France / New-Caledonia - Annual climatological summary 2008

FERTILIZERS AND PHYTOSANITARY PRODUCTS

Marketed fertilizers in 2008 : 3 644 tons (-24.8 % compared to 2007)

	Tons
South Province	3 072.7
North Province	563.8
Islands Province	7.3
TOTAL	3 643.7

Use*	Tons
Market gardening	665.4
Fruits	333.3
Corn	318.1
Pasture	316.6
Squash	170.6
Potatoes	81.9
Horticulture	78.5
Others	518.1

Kind of fertilizer*	Tons
17.17.17	449.9
10.12.24	436.2
Urea	378.5
Sulphate of potash	160.2
13.13.21	114.8
Lithothamne	111.7
0.32.16	89.8
Other fertilizers	741.4

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

Source : Chamber of agriculture

Phytosanitary products imported in 2008 : 98 tons (-6.9 % compared to 2007 and -28.2 % compared to 2006)

Category	Herbicides	Insecticides	Fongicides	Misc.	TOTAL
Tons	66.6 (+16%)	9.9 (-61%)	5.4 (-51%)	15.7 (+38%)	97.6

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)	364.4	2 022.3	900.3	376.6	100.8	3 764.4	-5%
11 - markets and agricultural incomes	4.2	1 731.5	415.2	130.4	39.9	2 321.1	0%
Price support – cost reduction		733.5	407.8	74.6	1.2	1 217.1	
Producer assistance		342.3		30.9		373.2	
Marketing assistance		111.5	7.4	12.0	0.1	131.1	
Sector organization and modernization	4.2	49.1			34.5	87.7	
Promotion and quality management systems		66.3		5.5	4.0	75.8	
Risk management (including emergencies)		410.2		7.0		417.2	
Other actions		18.6		0.3	0.1	19.0	
12 - rural development	360.2	175.1	485.1	246.3	60.9	1 327.6	-12%
Setting up, modernization, pollution control	14.1	7.8	399.0	101.1	60.4	582.5	
Cessation of agriculture activities		9.0				9.0	
Agri-environmental measures	25.6		0.7			26.3	
Development and protection of the countryside			7.9			7.9	
Processing and marketing of agricultural produce	25.8			7.8		33.6	
Horse-related activities	17.4	27.7	77.4	2.2	0.5	152.2	
Others	277.3	130.6		135.2		543.1	
13 - sanitary safety of plants and animals		115.6				115.6	-11%
2 - aquaculture (4)	15.0	368.9	96.5	36.8		517.2	-20%
3 - forestry (4)	109.9	3.3	132.1	4.2		249.5	-20%
TOTAL 1 + 2 + 3	489.3	2 394.4	1 128.9	417.6	100.8	4 531.0	-8%
4 - education and research (4)	1 087.8	34.1	165.3	99.3	55.0	1 441.6	-10%

(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 2009 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							Total
		CAPA	BEPA	BPA	BP	BTA	BAC Technical & Vocational	BTSA	
2007	798	77	43	7	7	4	45	16	199
2008	760	94	44	18	10	-	43	28	237
2009	706	66	37	19	7	-	48	15	192

CAPA : Certificat d'aptitudes professionnelles agricoles / 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

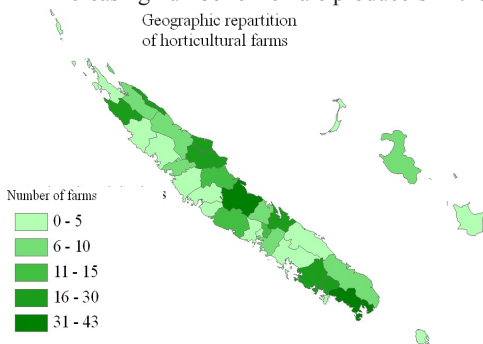
Source : DAFE

An investigation have been conducted, concerning ornamental horticulture, from July to September 2009. Figures shown in this memorandum concern 2008.

ORNEMENTAL HORTICULTURE, 2008 FIGURES

An increasing number of female producers in the North Province

Geographic repartition of horticultural farms



Since the 2006 investigation, the creation of new horticultural farms mainly concerns the North Province and more particularly the East Coast. Often made up of small surfaces and driven by female producers, ornamental horticulture provides a complementary source of revenue for these households.

In the South Province are concentrated the largest farms of the country. They are grouped close to the main market around Noumea.

However the South Province remain prominent on the market

This economic sector generates a 838 million XPF francs turnover, three-quarters of which come from South Province. The production remains highly concentrated, particularly concerning the cut flower industry for which only four companies produce 80% of the market value.

Production 2008		Islands	North	South	NC
Cut flowers and foliage	number of farms	3	54	49	106
	turnover (Million XPF)	0,1	6,7	222,3	229,1
Ornamental plants	number of farms	10	197	117	324
	turnover (Million XPF)	2,4	129,2	476,6	608,2
Total horticultural productions	number of farms	10	200	130	340
	turnover (Million XPF)	2,5	135,9	698,9	837,3

Workforce : a part time activity (annual work units : AWU)

Number of men/ women	Full time	Half-time	Less than half-time	Total	Number of AWU
îles Loyauté	2	4	7	13	5,8
Nord	35	122	254	411	140,3
Sud	158	110	364	364	230,1
Nouvelle-Calédonie	195	236	788	788	376,2

In 2008, the sector employed 788 persons, 195 of which were full time and 593 part time. As a whole, the Caledonian horticultural production employs 376 AWU.

The figures for 2009 shown in this memorandum are provisional (data available on 30th of May 2009) and may be modified in future publications.

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

Results and comments of these two investigations are also available on it.