

Agricultural Memorandum Data 2008



Pictures : Christophe Verkimpe, Peggy Chaniel, DAVAR

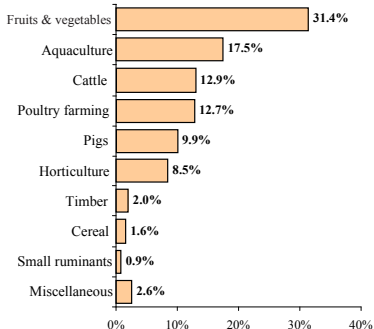
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June 2009



FINAL AGRICULTURAL PRODUCTION 2008

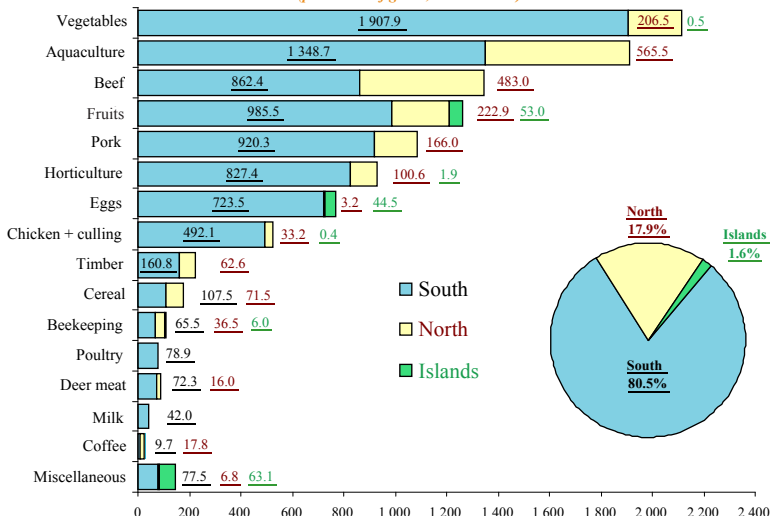
Percentage breakdown by rural sector



	Total in million XPF	
	2008	Evol/07
Vegetable production	4 682.8	-2.1%
Animal production	4 114.5	-0.2%
Total agriculture	8 797.2	-1.2%
Aquaculture	1 914.2	7.7%
Timber	223.4	-0.3%
Total Rural sector	10 934.8	0.3%

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) :

ng : data not given

na : data not available

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

Evol/07 : trends shown in the 2008 memorandum are calculated in relation to the revised 2007 figures, which are sometimes different from those published in the memorandum of July 2008.

ANIMAL PRODUCTION

Marketed production in 2008

	Total in million XPF		Tons or Units (u)	
	2008	Evol/07	2008	Evol/07
Cattle	1 411.7	-2.5%		
meat	1 369.7	-0.9%	3 145.7	0.5%
including OCEF	1 015.1	-0.8%	2 292.6	-0.4%
including provision of a service	5.4	34.8%	24.1	34.8%
including domestic butchery	349.3	-1.4%	829.0	2.2%
milk ⁽¹⁾	42.0	-36.5%	525.0 u	-36.5%
Poultry farming	1 385.9	-5.8%		
eggs ⁽²⁾	771.2	-10.5%	29.1 u	-16.4%
chicken + culling	525.7	3.1%	840.2	0.0%
poultry ⁽³⁾	78.9	-16.8%	67.2	-17.4%
livestock exports	10.1	76.6%	49 200 u	79.6%
Pigs	1 086.3	11.9%		
meat	1 086.3	12.1%	2 372.0	13.3%
including OCEF	602.8	2.3%	1 308.3	3.5%
including provision of a service	60.7	19.2%	147.0	18.9%
including domestic butchery	422.8	28.5%	916.7	30.0%
livestock exports	0.0	///	0 u	///
Small ruminants	94.3	-8.9%	195.9	-10.5%
deer meat	88.3	-10.6%	185.6	-11.8%
mutton and goat meat	5.9	28.9%	10.3	21.6%
Horse breeding ⁽⁴⁾	28.4	-3.1%		
Beekeeping ⁽⁵⁾	107.9	6.8%	92.6	16.7%
Animal production (agriculture)	4 114.5	-0.2%		
Aquaculture	1 914.2	7.7%		
prawns	1 843.1	9.5%	2 036.2	10.5%
oysters ⁽⁶⁾	61.6	-23.0%	66.5	-16.9%
crayfish	9.5	-30.9%	5.3	-30.6%

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

Exports in 2008

	Total *	Evol/07	Tons/U	Evol/07
Livestock ⁽¹⁾	10.1	34.4%	49 200 u⁽¹⁾	79.5%
Meat, fat	52.2	13.4%	64.7	-6.4%
deer meat representing	52.0	13.7%	64.4	-6.3%
Others	0.6	-60.4%		
Total animal exports (agriculture)	62.9	14.3%		
Prawns	1 583.3	3.7%	1 294.7	-0.9%
Total animal exports	1 646.1	4.0%		

(1) unit : one thousand litres of milk.

(2) unit : million eggs.

(3) including rabbit keeping and game birds.

(4) estimated value. Note : 158 births declared in 2008, including 120 in the South Province, 14 in the North Province and 24 by artificial inseminations.

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

(6) reared oysters only, tonnage equivalent to approx. 70 000 dozen.

Pig sector :
28 013 head slaughtered
(25 385 in 2007)

OCEF average producer sale price :

475 XPF/kg

(-1.2% compared to 2007)

Artificial inseminations :

Inseminated sows : 171

(155 in 2007)

Gestation rate (28 days) : **55 %**

Source : UPRA porcine

(1) 49 200 poultry (cocks and hens not exceeding 185g).

*Total : FOB cost in million XPF

Source : Customs

Bovine sector : 16 329 head slaughtered
(16 606 in 2007)

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

Number of A.I. : **419** (509 in 2007) Gestation rate (45 days) : **44 %**

Number of A.E. : **20** (105 in 2007) Gestation rate (45 days) : **25 %**

Source : UPRA bovine

Category	Slaughtered tonnage		OCEF average producer price (XPF/kg)	
	2008	Evol/07	2008	Evol/07
Mature cattle	1 795	-1.8%	461	0.8%
Young cattle	318	25.0%	426	-3.4%
Calves	1 033	-1.5%	461	-0.9%
Total	3 146	0.5%	456	-0.4%

Sources : OCEF DAVAR



VEGETABLE PRODUCTION

Marketed production in 2008	Total in million XPF		Tons or Unity (u)	
	2008	Evol/07	2008	Evol/07
Vegetables	2 154.7	-6.8%	11 848.7	15.7%
fresh vegetables	1 664.8	-11.4%	6 523.6	-8.6%
dried onions	129.0	-38.4%	692.3	-14.9%
squashes	142.1	83.1%	2 524.9	121.2%
tropical tuber	101.6	0.8%	335.1	-20.1%
potatoes	117.4	160.0%	1 772.8	142.7%
Fruits	1 274.4	6.3%	5 263.5	-8.5%
citrus fruits	256.4	-19.8%	1 266.7	-24.8%
sweet bananas	252.5	17.0%	748.4	-2.3%
fruits of full field ⁽¹⁾	465.5	4.0%	2 203.2	-4.7%
Others ⁽²⁾	300.0	39.2%	1 045.3	5.6%
Horticulture (évaluation)	930.0	0.5%		
Coffee	27.5	-31.4%	33.0	57.1%
Copra ⁽³⁾	10.0	7.5%	122.0	-5.7%
Vanilla	25.1	385.0%	0.6	384.6%
Cereals	179.0	-20.6%	4 203.0	-27.3%
Niaouli, sandalwood	73.2	21.5%	2.3	-1.9%
Sandalwood by-products	8.8	63.7%	53.0	17.8%
Vegetable production	4 682.8	-2.1%		
Timber sector	223.4	-0.3%		
lumber ⁽⁴⁾	142.4	-4.5%	2 136.0	-5.2%
industrial timber ⁽⁵⁾	81.0	8.0%	103 586 u	19.0%

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

- (1) melon, watermelon, strawberry.
- (2) including pineapple, mango, lychee, papaya, avocado...
- (3) mainly end products in 57 tons of oil and 41 tons of oil-cake.
- (4) tonnage équivalent to 2 848 m³ of lumber.
- (5) produced units : posts, poles, stakes.

Exports in 2008	Total *	Evol/07	Tons/U	Evol/07
Essential oils ⁽¹⁾	112.7	30.9%	1.9	26.2%
Vegetables	65.5	91.7%	2 637.7	132.0%
squash representing	58.1	98.6%	2 500.9	124.5%
Fruits ⁽²⁾	24.3	18.3%	95.4	45.4%
Arabica coffee	8.0	-4.9%	2.8	-37.2%
Others	28.8	185.0%		///
Vegetable production	239.3	50.2%		

*Total : FOB cost in million XPF

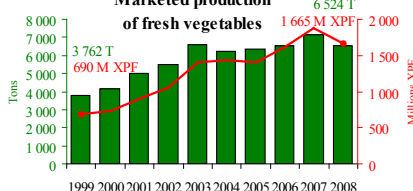
Sources : Customs, ERPA

- (1) sandalwood and niaouli.
- (2) mainly lemon, lime and watermelon.

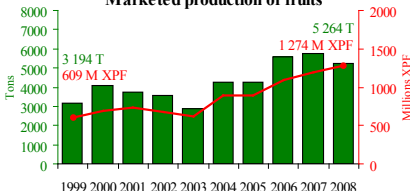
Marketed production trend over a 10-year period (fruits and vegetables)

Marketed production

of fresh vegetables



Marketed production of fruits



AGRICULTURAL PRODUCE IMPORTS

(1) unit in equivalent thousand litres of milk.

(2) including rabbit keeping.

(3) 3 150 chiks (1 750 cocks and hens, 1 400 other poultry animals) and 10 rabbits.

(4) including dried fruits and vegetables.

(5) unit in equivalent tons of green coffee (according to the 2001 International Coffee Agreement), that is 638 tons (gross tonnage) including green coffee, roasted coffee, instant coffee and other coffee extracts and essences.

(6) 13 440 tons of uncut timber and sawn or prepared timber (excluding charcoal and plywood), equivalent to approx. 16 800 m³.

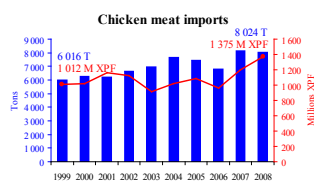
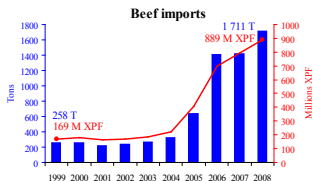
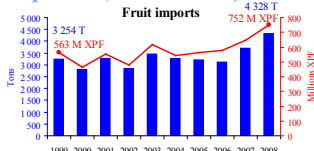
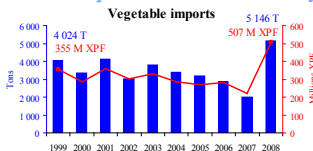
(7) 6.2 tons of prawns, 1.6 tons of oyster spats and 116.9 tons of oysters.

2008	Total *	Evol/07	Tons/U	Evol/07
Cattle	955.0	16.2%		
beef	889.4	11.8%	1 710.6	20.5%
breeding animals	63.3	206.3%	72 (u)	67.4%
bull semen	2.2	-58.3%	0.02	15.0%
Milk and dairy products ⁽¹⁾	3 286.4	5.4%	65 740.5	1.4%
Aviculture	1 664.3	12.8%		
chicken meat	1 375.2	14.9%	8 024.2	-1.4%
poultry meat ⁽²⁾	229.1	-5.2%	353.7	-11.1%
hatching eggs	57.3	86.5%	181.6	394.1%
livestock ⁽³⁾	2.6	-62.8%	3 160 (u)	-61.2%
Pigs (pork)	93.3	-12.7%	364.7	0.7%
Small ruminants	320.6	9.4%		
mutton	320.1	9.7%	603.7	14.4%
deer meat	0.5	-15.4%	0.3	-8.0%
breeding mutton & lamb	0.0	///	0 (u)	///
Horses	8.7	-72.4%	16 (u)	-44.8%
Beekeeping	1.9	-0.8%	4.0	10.1%
Fruits and vegetables ⁽⁴⁾	1 259.5	45.2%	9 474.2	66.2%
fruits	752.2	16.2%	4 328.5	17.4%
vegetables	372.5	94.7%	2 333.3	78.4%
onions	40.2	233.5%	844.9	276.9%
potatoes	94.7	448.3%	1 967.5	310.4%
Horticulture	106.0	-2.0%		
Coffee ⁽⁵⁾	423.8	-0.4%	1 155.3	-14.8%
Vanilla	2.2	-25.8%	0.6	-48.0%
Cereals	1 993.2	36.9%	41 759.0	4.2%
Niaouli, sandalwood	0.1	-94.6%	0.1	-90.0%
Total agriculture	10 115.0	16.1%		
Timber sector ⁽⁶⁾	758.9	12.0%		
Aquaculture ⁽⁷⁾	100.7	8.6%		
Total imports	10 974.6	15.8%		

*Total : CIF cost in million XPF

Sources : Customs

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



CLIMATOLOGY

Rainfall (mm)

	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

Source : Chamber of agriculture

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

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/07
1 - agriculture and rural territories (4)	665.2	1 896.6	840.7	406.0	117.9	3 926.4	23%
11 - markets and agricultural incomes	41.4	1 610.7	466.0	133.6	38.9	2 290.6	7%
Price support – cost reduction		790.1	448.9	103.5	3.5	1 346.0	
Producer assistance		313.7				313.7	
Marketing assistance		122.7	17.2	12.7	0.2	152.8	
Sector organization and modernization	41.4	37.0			31.0	109.4	
Promotion and quality management systems		37.3		9.0	4.0	50.3	
Risk management (including emergencies)		271.3		8.0		279.3	
Other actions		38.6		0.4	0.1	39.1	
12 - rural development	623.8	156.3	374.7	272.4	79.0	1 506.2	56%
Setting up, modernization, pollution control	7.4	9.2	361.4	206.6	78.5	663.1	
Cessation of agriculture activities		10.3				10.3	
Agri-environmental measures	6.0		0.9			6.9	
Development and protection of the countryside	8.4		4.1			12.4	
Processing and marketing of agricultural produce	227.5			11.2		238.7	
Horse-related activities	18.2	26.6	8.3	2.2	0.5	55.9	
Others	356.3	110.3		52.4		518.9	
13 - sanitary safety of plants and animals		129.6				129.6	25%
2 - aquaculture (4)	5.4	478.2	160.6			644.1	51%
3 - forestry (4)	68.6	3.4	108.8	130.7		311.5	15%
TOTAL 1 + 2 + 3	739.1	2 378.2	1 110.1	536.7	117.9	4 882.0	25%
4 - education and research (4)	1 223.2	50.0	187.3	95.1	55.0	1 610.5	7%

(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 2007 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
2006	771	84	38	5	6	19	25	190
2007	798	77	43	7	7	4	45	199
2008	760	94	44	18	10	-	43	237

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

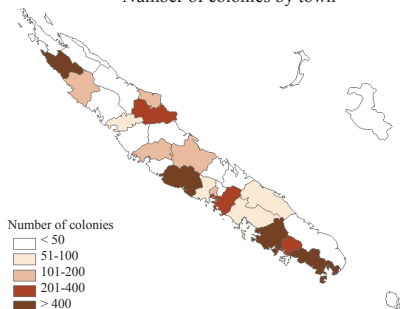
BPA : Brevet professionnel agricole / Bac Technical & Vocational : technical & vocational Baccalauréats

Source : DAFE

Two investigations have been conducted, concerning beekeeping from October to December 2008 and concerning pork production industry from March to April 2009.

BEEKEEPING IN NEW-CALEDONIA

Number of colonies by town



In 2008, 154 beekeepers (having at least 3 hives) are breeding nearly 4 600 colonies :

- 104 in the South Province
- 45 in the North Province
- 5 in the Islands Province

93 tons of honey have been marketed in 2008. Beekeepers also produce pollen (165 kg in 2007), royal jelly (500 grams), wax (400 kg), 211 swarms et 111 queen-bees. The turnover of the beekeeping sector is 108 million XPF.

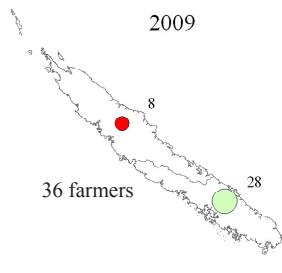
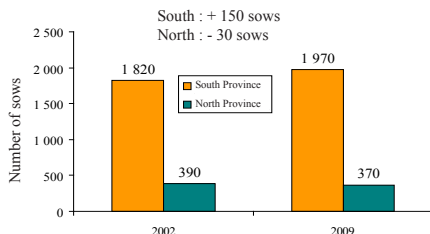
The average yield is about 21 kg of honey per hive in 2007, with nearly 60 kg for the most productive hives.

PORK PRODUCTION INDUSTRY

The investigation covered farmers on the mainland having at least 10 sows, in order to update the main data concerning this industry. In 2009, there are only 36 farmers left having a breeding swine herd of at least 10 sows while they were 51 in 2002.

Technical performance of those pig breedings is quite good with an average of 20 weaned piglets per sow per year.

43 500 pigs were produced in 2008 with 27 000 slaughtered by OCEF and domestic butchery and 16 500 marketed outside known circuits (mainly live sales). This flow method has its origin in the customs and practices of an Oceanian population.



The 2009 investigation doesn't involve the Islands Province where pork is amply sold consumed or exchanged. For the record, in 2002, 11 farmers owned at least 10 sows for 140 farmers in total.

The figures for 2008 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.

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