

“Situation of Organic Production in Argentina in 2006”

Dirección Nacional de Fiscalización Agroalimentaria

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Situation of Organic Production in Argentina in 2006

Introduction

Following the methodology used since 1988, this report provides an overview of certified organic production in Argentina in 2006.

Products exported to the United States which specifically comply with U.S. standards (USDA – NOP) were not included and are therefore not referenced.

Figures included herein are based on information provided by Certification Bodies approved by SENASA and, in general, indicate that:

a) The scenario for certified organic products improved, compared to 2005 as shown by increased exports and 29% growth in harvested area.

b) As regards animal husbandry, although both the area certified and animal stocks continued decreasing, exports increased. 2006 was a good year for beekeeping with a rise in the number of bee hives and significant growth in honey exports.

This report describes the differences in certified organic production in 2006. The analysis is based on:

- 1.- Harvested area by groups of crops and distribution by province;
- 2.- Analysis of production units;
- 3.- Area with animal husbandry and distribution by province;
- 4.- Trade review:
 - Foreign markets: exports, groups of products and destinations;
 - Domestic market.

1.- Harvested Area:

The harvested area comprises the area harvested with organic industrial crops, herbs, vegetables, pulses, fruits, grains and oilseeds. The list of products in each group is included in Annex 1.

The area harvested with organic products in 2006 increased by 28% compared to 2005. All groups of crops showed similar behaviour to a greater or lesser extent, without exceptions.

In spite of this growth, the record high of 2001 was not achieved.

As in 2005, the area harvested with organic products continued increasing mainly in the Province of Buenos Aires, and especially in the provinces that are not within the pampas region, such as Salta and Mendoza.

As in previous years, main organic crops were grains and oilseeds followed by industrial crops.

2.-Analysis of Production Units:

The number of farms in the system decreased. At a national level and compared to 2005, average size of certified organic farms continued increasing although breakdown by province shows some increased and other decreased. Difference in size of production units is still observed, as in previous years.

The number of farms in the system dropped by 14% compared to 2005 although the ratio between certified land and total size of the farms increased to 94%.

3.- Area with Certified Organic Animal Husbandry:

Area with certified organic animal husbandry dropped 5.7% compared to the previous year.

4.- Production of Animal Products:

Volume of honey and beef exports increased significantly although wool exports dropped slightly.

5.- Destination of products:

Main destinations for certified organic products were the European Union, the United States and Switzerland. Participation of other markets such as Mauritius, Ecuador and Brazil increased and new destinations were Finland and Mexico.

The European Union was the main importer of organic grains, oilseeds and fresh fruits. Exports of organic grains, oilseeds and processed products of plant origin to the United States were significant.

6.- Domestic Market:

As in previous years, the domestic market was characterized by a wide assortment of vegetables and a high diversity of products.

7.- Characteristics of Production in 2006:

Organic production in Argentina in 2006 was characterized by:

1. Predominance of exports to EU countries;
2. Highest growth rates were for processed organic products of plant origin, mainly concentrated lemon, apple and pear juices, grape must, sunflower and olive oils, wine and soybean meal. Among grains and oilseeds, higher export volumes were

recorded for soy, wheat and rice, and for fruits, pears and apples. Honey and beef were the main organic products of animal origin that were exported.

3. Area harvested with grains and oilseeds (soy and wheat) and industrial crops (sugar cane, olives and grapes), increased.
4. Largest area harvested with fruits corresponded to pears and apples; with vegetables, onions; and with pulses, beans.
5. Livestock area continued decreasing by almost 6% in 2005.
6. Main organic products exported such as grains and oilseeds (soy, bread wheat, flax and rice), fruits (pears and apples), vegetables (onions), and processed products (sugar, grape must, wine, soybean meal, juices and oils) maintained their relative importance.

Description of the Primary Sector

1) Certified Organic Area and Average Size of Farms:

In 2006, a little over 2.6 million hectares¹ were certified as organic in Argentina. Most of the area was used for cattle farming (2.1 million hectares), and over 194 thousand hectares for agricultural production.

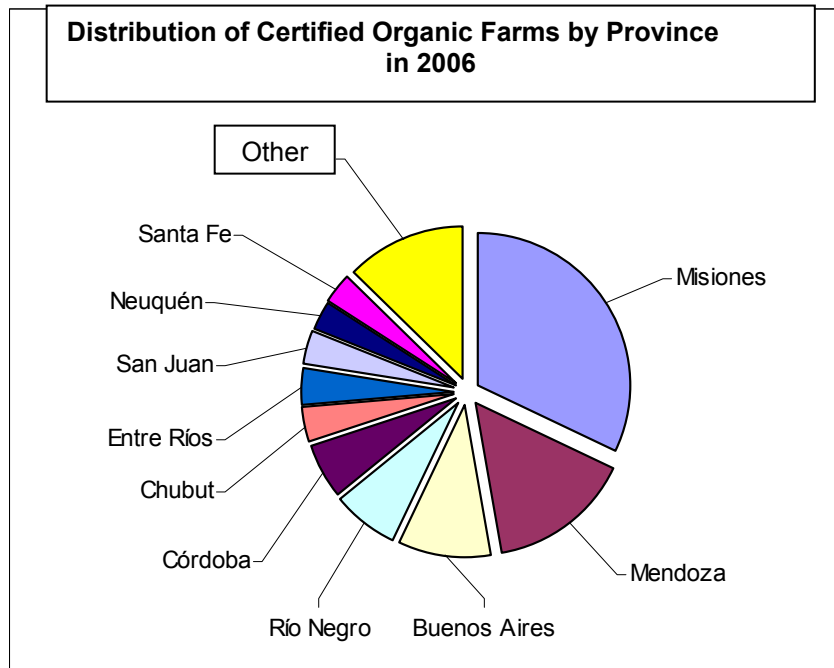
The number of certified organic farms decreased, as shown in the Table below.

Table No. 1: Distribution of Farms by Province

<i>Province</i>	<i>2005</i>	<i>2006</i>	<i>Difference between 2005 / 2006</i>	
			<i>Nº</i>	<i>%</i>
Country Total	1,736	1,486	-250	-14
Misiones	548	473	-75	-14
Mendoza	289	228	-61	-21
Buenos Aires	192	146	-46	-24
Río Negro	92	106	14	15
Córdoba	89	86	-3	-3
Chubut	62	56	-6	-10
Entre Ríos	57	56	-1	-2
San Juan	62	55	-7	-11
Neuquén	35	46	11	31
Santa Fe	51	46	-5	-10
La Pampa	41	36	-5	-12
La Rioja	26	26	0	0
San Luis	36	26	-10	-28
Salta	19	19	0	0
Catamarca	17	16	-1	-6
Chaco	48	16	-32	-67
Santa Cruz	8	16	8	100
Corrientes	15	14	-1	-7
Jujuy	35	7	-28	-80
Tucumán	6	5	-1	-17
Tierra del Fuego	3	3	0	0
Formosa	1	2	1	100
Santiago del Estero	4	2	-2	-50

Source: SENASA. 2007. Information provided by Certification Bodies.

¹ Area dedicated exclusively to apiculture not included.



Source: SENASA 2006. Information provided by Certification Bodies

The Province of Misiones had the highest percentage of certified organic **production units (32%)** and maintained its relative importance compared to 2005 due to the significant number of small scale farmers organised as a co-operative and the smaller size of certified organic farms (38 hectares on average – 0.7% of the whole national organically certified area). Operations certified as organic in the Province of Mendoza (15%) are of a slightly larger size compared to Misiones (47 hectares – 0.4% of the national organically certified area).

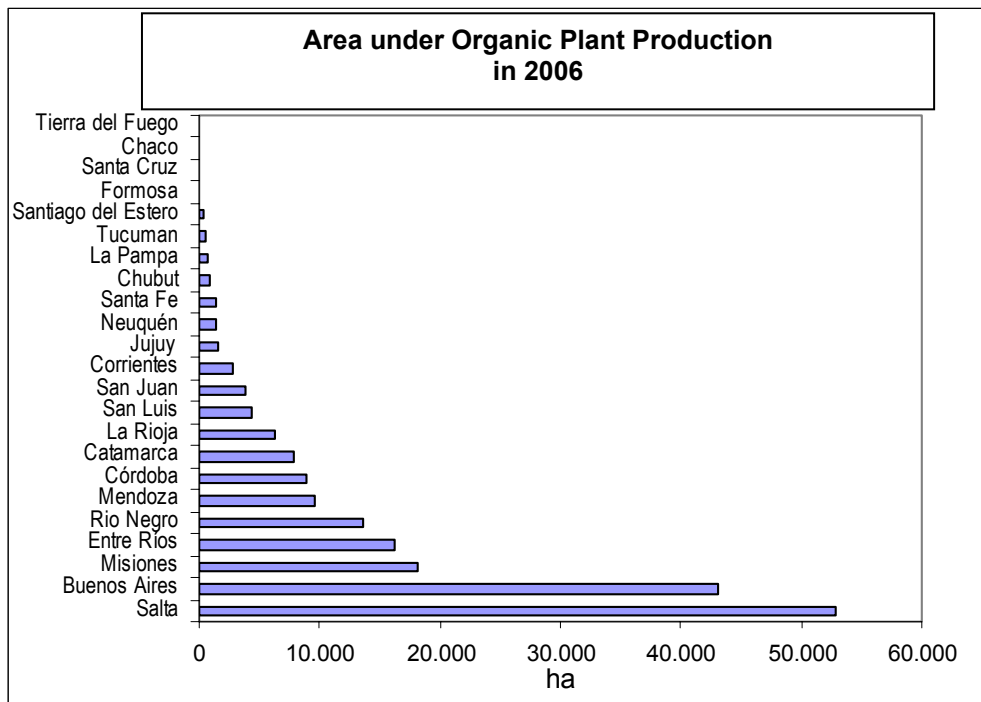
The provinces in Patagonia (Chubut, Santa Cruz and Tierra del Fuego) have very large organic sheep farms and therefore represent a significant proportion of the overall certified organic area. Patagonia represents **74% of the national organically managed area but only 5% in terms of operations**. Average size of certified organic holdings in Santa Cruz is 59 thousand hectares, in Tierra del Fuego, 46 thousand hectares, and in Chubut, over 15 thousand hectares.

2) Area under Organic Plant Production:

Area under organic agriculture exceeded 194 thousand hectares. However, certified organic area in the Province of San Luis - which last year was the leader – dropped significantly compared to 2005.

Salta (27%) and Buenos Aires (22%) continue being the two provinces with the largest certified organic plant production area.

The importance of provinces other than those in the pampas region, such as Misiones (8%), Río Negro (7%) and Mendoza (5%), was due to exports of sugar cane by-products, pome fruits, and grapes.



Source: SENASA 2006. Based on information provided by Certification Bodies.

3) Harvested Area

The harvested area increased from 43,747 hectares in 2005 to 56,289 hectares in 2006.

Data for 2006 was analysed based on soil use by groups of products and their regional distribution.

- By groups of products: A breakdown of the **area harvested with organic crops** indicates preference for **organic grains and oilseeds** (63%), followed by **organic industrial crops** (25%), **fruits** (7%), and **vegetables and pulses** (4%).
- By Regional Distribution: Buenos Aires, with 24,000 hectares was the province with the largest **harvested area** (43% of the area harvested with organic crops), followed by the Province of Salta (11%), and the Province of Mendoza (8%) as shown in the Table below.

Table Nº 2: Area Harvested with Organic Crops by Group of Crops (%) Year 2006

PROVINCE	Grains and Oilseeds	Industrial Crops	Herbs	Vegetables and Pulses	Fruits	Total
Buenos Aires	64	3	54	22	1	43
Salta	8	17	0	35	0	11
Mendoza	1	18	10	23	35	8
Entre Ríos	11	0	0	0	4	7
Córdoba	3	12	1	0	0	5
Misiones	0	21	0	0	0	5
La Rioja	0	14	1	2	0	4
Río Negro	4	0	3	1	27	4
San Luis	6	0	0	0	0	4
Jujuy	0	6	0	0	0	2
San Juan	0	4	16	13	6	2
Catamarca	0	4	0	0	0	1
Corrientes	0	2	0	0	3	1
Neuquén	0	0	0	1	10	1
Santa Fe	1	0	10	0	0	1
Tucumán	0	0	0	1	10	1
Chubut	0	0	6	1	2	0
Formosa	0	0	0	0	0	0
La Pampa	0	0	0	0	0	0
Santa Cruz	0	0	0	0	0	0
TOTAL	100	100	100	100	100	100

Source: SENASA. 2007. Based on information provided by Certification Bodies.

In 2006, as in previous years, Grains and Oilseeds were mainly grown in the Province of Buenos Aires (64%). Share in production of the Province of Entre Ríos increased to 11% which together with the provinces of Salta (8%), San Luis (6%), Río Negro (4%) and Córdoba (3%), account for the remaining 95% of the area harvested.

Area harvested with Grains and Oilseeds increased by 19% mainly due to an increase in the area planted with soy (14%), bread wheat (29%), maize (19%), and oats (285%). However, the area harvested with flax and sunflower decreased.

Organic industrial crops were grown mainly in the provinces of Misiones (21%), Mendoza (18%); Salta (17%); La Rioja (14%) and Córdoba (12%).

In the group of Industrial Crops, harvested area increased for sugar cane (19%), olives (57%) and grapes (105%).

Area harvested with organic fruits was principally in the provinces of Mendoza (35%), Río Negro (27%) and Neuquén (10%) which produced mainly stone and pome fruits, and Tucumán (10%), lemons. The area harvested with pears increased 55%, while that of apples and lemons grew 38% and 51%, respectively.

Salta was the leader in production of certified **organic vegetables and pulses** (35%), followed by Mendoza (23%) and Buenos Aires (22%). Main crops were beans, onions and garlic.

The Table below shows degree of specialization for the different groups of crops in the provinces of Argentina. Land requirements are an important consideration when analysing the characteristics of each group.

Table N° 3: Area Harvested with Organic Products. Distribution of Groups of Crops by Province (%). 2006

PROVINCE	Grains and Oilseeds	Industrial Crops	Herbs	Vegetables and Pulses	Fruits	Total
Buenos Aires	95	2	0	2	0	100
Catamarca	0	100	0	0	0	100
Chubut	21	0	7	17	54	100
Córdoba	40	60	0	0	0	100
Corrientes	7	59	0	0	34	100
Entre Ríos	96	0	0	0	4	100
Formosa	0	100	0	0	0	100
Jujuy	12	87	0	1	0	100
La Pampa	70	0	2	27	1	100
La Rioja	0	97	0	3	0	100
Mendoza	4	54	0	12	29	100
Misiones	0	100	0	0	0	100
Neuquén	0	0	0	6	94	100
Río Negro	55	1	0	1	43	100
Salta	48	38	0	14	0	100
San Juan	3	45	3	28	20	100
San Luis	100	0	0	0	0	100
Santa Cruz	0	0	0	100	0	100
Santa Fe	95	0	4	1	0	100
Tucumán	0	0	0	5	95	100
TOTAL	63	25	0	4	7	100

Source: SENASA. 2007. Information provided by Certification Bodies.

In terms of area harvested with organic crops in 2006, in **grains and oilseeds** the main crops were bread wheat (24%), soy (24%) and flax (10%). The three crops were mainly produced in Buenos Aires.

In terms of area harvested with organic **fruits**, the main crops were pears (28%) and apples (22%) principally in the provinces of Río Negro, San Juan, Mendoza and Neuquén, and lemons (13%) in the provinces of Tucumán and Corrientes.

The main **industrial crops** were sugar cane (37%), olives (33%) and grapes (21%). Organic sugar cane was grown in the provinces of Misiones, Salta and Jujuy; olives mainly in the provinces of Córdoba and La Rioja; and grapes principally in Mendoza.

The main crops among **organic vegetables and pulses** in 2006 were beans (35%) and onions (29%). Beans were grown in Salta and onions in Buenos Aires, Mendoza and San Juan.

4) **Area with Organic Animal Husbandry:**

Area with certified **organic animal husbandry** dropped 6% (almost 132 thousand hectares) from 2,296,123 hectares to 2,164,200 hectares. Patagonian provinces of Tierra del Fuego, Santa Cruz and Chubut accounted for 83% of the total production area. Santa Cruz continued being the leader with 43% of the organic animal husbandry area.

5) **Organic Animal Stocks:**

- In 2006, certified **organic cattle stocks** comprised a little over 122 thousand heads, down 14% from the previous year. The decline was observed mainly in the provinces of the pampas region and in Río Negro.
- Distribution of **cattle stocks** was similar to the previous year. First in importance was the Province of Buenos Aires (45% of stock) followed by La Pampa (15%) and Chaco (10%).
- Relative importance of organic cattle farming in some provinces other than those in the pampas region, such as Río Negro, declined. However, its relative importance increased in the Province of Santa Cruz.
- Provinces with highest increase in certified organic cattle stocks in 2006 were Entre Ríos, Santa Cruz and Tierra del Fuego.
- In spite of the decrease in cattle stocks, number of replacement animals (heifers) in the main cattle farming provinces is still acceptable and with potential to grow.
- The **number of sheep** dropped to 551 thousand heads, 15% lower than in 2005, principally in the provinces of Tierra del Fuego and Santa Cruz.
- Most of the **sheep population** is in the Patagonia region, mainly in the provinces of Santa Cruz (51%), Chubut (30%) and Tierra del Fuego (14%).
- In spite of the reduction in sheep stocks, number of replacement animals (yearling ewes) is acceptable and there is potential to grow the flock.
- No certified **organic milk** was produced in 2006. Number of dairy cows dropped to a little over 2,800 cows (24%), eighty percent of which are in the Province of Buenos Aires.
- In 2006, provinces with **organic beekeeping activity** were Santa Fe (19% of certified organic bee hives), Buenos Aires (17%), Entre Ríos (14%), San Luis (11%), Chaco (11%) and Córdoba (11%). Total number of colonies increased by 8% compared to 2005.

6) Marketing of Organic Products:

Exports of organic products of plant and animal origin increased significantly in 2006 from a year earlier and reached 95 thousand tonnes (41% growth), resuming the export trend before 2001.

It should be noted that this comparison is based on quantity exported and includes a wide variety of products with different export value whereby the evolution per product or basket of products should be considered.

6.1) Exports of Products of Plant Origin:

Most of the organic products of plant origin were **exported**. Compared to the previous year, significant growth was seen in all groups of products, excluding **herbs**. Bread wheat, soy and rice were the main products in the group of **Grains and Oilseeds**. Pears and apples accounted for most of the **Fruit** exports. Exports of **Vegetables and Pulses** rose by 30% with highest growth for onions (26%), pumpkins (160%) and garlic (13%). Concentrated grape must, soybean meal, wine, concentrated fruit juices and olive oil accounted for the growth in exports of **Processed Products**.

Decline: Exports of maize and pear purée declined significantly, -59% and -77%, respectively.

Table N° 4: Variation in Volume Exported of Selected Products. Comparison 2006 - 2005

<i>Products</i>	Difference	
	Absolute	%
Bread wheat	4,430,352	121%
Maize	-1,267,520	-59%
Rice	2,507,500	1.348%
Durum wheat	-47,160	-19%
Soy	5,592,802	64%
Flax	634,452	18%
Sunflower	262,900	14%
Safflower	566,795	99%
Pears	4,460,958	37%
Apples	2,597,512	35%
Plums	269,955	51%
Onions	1,132,083	26%
Garlic	142,751	13%
Pumpkin	632,452	124%
Beans	53,200	15%
Sugar cane	521,885	4%
Wine	377,399	24%
Concentrated grape must	1,558,183	193%
Olive oil	453,191	137%
Concentrated lemon juice	170,878	40%
Soybean meal	883,870	1.446%
Concentrated apple juice	600,392	304%
Pear purée	-504,161	-77%

Table N° 4: Variation in Volume Exported of Selected Products. Comparison 2006 - 2005

Products	Difference	
	Absolute	%
Concentrated pear juice	365,799	165%
Raisins	187,266	104%
Pear pulp	343,338	734%
Sunflower oil	280,483	640%
Corn flower	-32,600	-17%

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Main destinations for exports of organic products of plant origin in 2006 continued being the European Union followed by the United States.

Table N° 5: Organic Products of Plant Origin. % by Destination of Selected Products. Year 2006 (in Kg)

Products		Destination				Total
		European Union	United States	Switzerland	Others	
Total Exports – 2006		69%	22%	2%	8%	100%
Grains		31%	22%	10%	37%	100%
	Bread wheat	43%		14%	43%	100%
	Rice		95%		5%	100%
	Maize	16%	2%		82%	100%
Oilseeds		77%	20%	1%	1%	100%
	Soy	70%	29%		1%	100%
	Flax	91%	8%		2%	100%
	Sunflower	90%		8%	2%	100%
	Safflower	100%				100%
Fruits		76%	22%		2%	100%
	Pears	65%	31%		3%	100%
	Apples	93%	7%		0%	100%
	Plums	94%	6%			100%
Vegetables and Pulses		95%	3%		2%	100%
	Onions	100%				100%
	Garlic	78%	22%			100%
	Pumpkin	94%			6%	100%
	Beans	75%			25%	100%
Herbs		30%	62%	1%	7%	100%
	Sage		97%		3%	100%
	Hyssop		99%		1%	100%
	Oregano	89%			11%	100%
	Rosemary		84%		16%	100%
	Thyme	99%			1%	100%
	Lavender	53%	47%			100%
	Tarragon	57%	22%		21%	100%
	Melissa	99%			1%	100%
	Lemon verbena	44%	56%		1%	100%
	Savory		81%		19%	100%

Table N° 5: Organic Products of Plant Origin. % by Destination of Selected Products. Year 2006 (in Kg)

Products	Destination				Total
	European Union	United States	Switzerland	Others	
Lavandin			100%	100%	100%
Rosella			100%		100%
Laurel				100%	100%
Mint				100%	100%
Pennyroyal				100%	100%
Processed products	62%	29%	0%	8%	100%
Sugar cane	87%	8%		4%	100%
Concentrated grape must	3%	86%		10%	100%
Wine	76%	22%		2%	100%
Soybean meal	5%			95%	100%
Concentrated apple juice	2%	98%			100%
Olive oil	28%	72%		0%	100%
Concentrated lemon juice	32%	66%		2%	100%
Concentrated pear juice	12%	88%			100%
Pear pulp	84%	11%		5%	100%
Raisins	81%	15%		4%	100%
Sunflower oil		100%		0%	100%
Apricot pulp	100%				100%
Concentrated orange juice	55%	30%		15%	100%
Corn flour	75%	13%		12%	100%
Pear purée		94%		6%	100%
Sunflower expeller	100%				100%

Source: SENASA. 2007. Based on information provided by Certification Bodies.

The European Union was the main destination for all groups of products with the exception of herbs. Organic products exported to this destination were principally fruits (20,965 tonnes), oilseeds (17,094 tonnes), processed products (14,184 tonnes), vegetables and pulses (7,868 tonnes), and grains (3,771 tonnes).

In summary, for all groups of products exported by Argentina, 31% of grains, 77% of oilseeds, 76% of fruits, 95% of vegetables and pulses, and 62% of processed products, were exported to the European Union.

The main products exported to the European Union in 2006 were:

- Fruits: Pears, apples and plums;
- Grains and oilseeds: soy, flax and bread wheat;
- Vegetables and Pulses: onions, pumpkins, garlic;
- Organic products of plant origin: organic sugar, wine and fruit pulp.

Exports to the United States comprised mainly processed products (6,705 tonnes), fruits (5,912 tonnes), oilseeds (4,461 tonnes), and grains (2,612 tonnes).

The main products exported are listed below:

- Processed products: Volume of organic processed products exported to the United States in order of importance included concentrated grape must (2,045 tonnes), sugar (1,105 tonnes), concentrated juices (apple, pear and lemon), olive oil and wine.
- Fruits: Mainly pears (over 5,173 tonnes equivalent to 31% of organic pear exports).
- Grains and oilseeds: Organic soy was the leading product (4,102 tonnes accounting for 29% of total organic soy exports).

6.2) Exports of Products of Animal Origin:

Exports of organic honey increased significantly in 2006 and reached 889 tonnes. Main destination was the European Union (Germany and the U.K.).

Exports of beef also increased significantly (23%) and reached 115 tonnes. The U.K. continued being the main destination though 115 tonnes were exported to Russia.

Exports of greasy wool dropped slightly to 605 tonnes. Main destination was Germany (547 tonnes).

7) Domestic market:

The domestic market for organic products still accounts for a minimum share, not exceeding 2% of total production. The market demands principally products of plant origin, especially Vegetables and Pulses.

7.1) Products of Animal Origin:

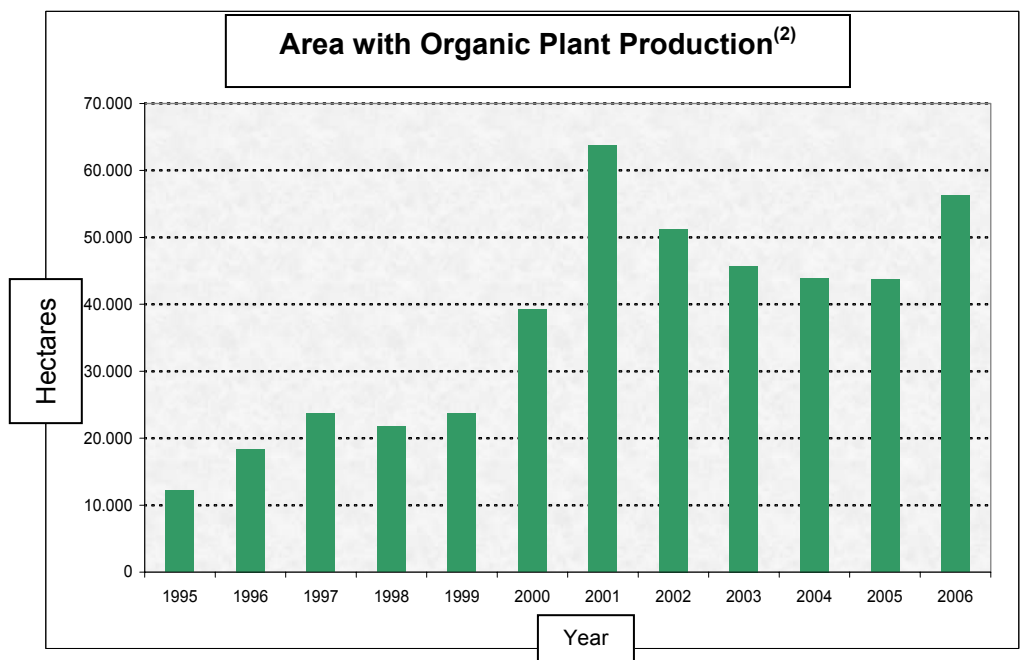
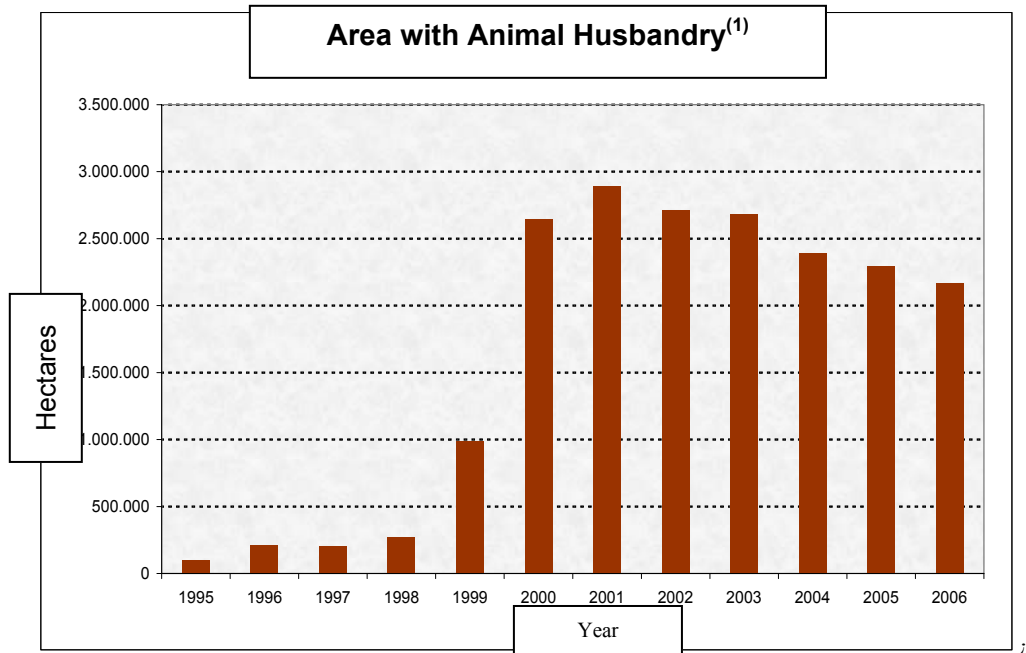
Sales of organic honey in 2006 totalled 70,128 Kg. Although the volume was small, it was significantly higher than in the previous year.

7.2) Products of Plant Origin:

In the period under analysis, 266 tonnes of products, mainly vegetables, were sold in the domestic market.

Tables and Charts

Evolution of the Organic Production Area



Organic Production Area (in Hectares)

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Animal husbandry (1)	104,357	215,800	207,600	269,866	987,254	2,643,037	2,896,016	2,711,195	2,684,831	2,391,083	2,296,123	2,164,200
Harvested Area (2)	12,162	18,400	23,646	21,739	23,709	39,218	63,704	51,260	45,697	43,949	43,747	56,289

Source: SENASA. 2007. Based on information provided by Certification Bodies.

(1) Honey production area not included.

(2) Area harvested with organic crops; wild harvest not included.

Table No.6: Certified Organic Farms and Area per Province. Year 2006.

Province	Farms (*)		Area (**)					
	No.	(%)	Total No. of Farms			Area in transition		
			(Ha.)	% Prov.	Mean (Ha.)	(Ha.)	% Prov.	Mean (Ha.)
Buenos Aires	146	9.8	170,680	6.0	1,237	156,744	5.9	1,136
Catamarca	16	1.1	53,220	1.9	3,326	26,892	1.0	1,681
Chaco	16	1.1	22,556	0.8	2,820	22,556	0.8	2,820
Chubut	56	3.8	874,192	30.9	15,611	874,000	32.9	15,607
Córdoba	86	5.8	30,846	1.1	423	17,931	0.7	246
Corrientes	14	0.9	33,391	1.2	2,783	3,577	0.1	298
Entre Ríos	56	3.8	33,228	1.2	949	22,858	0.9	653
Formosa	2	0.1	17	0.0	17	13	0.0	13
Jujuy	7	0.5	2,221	0.1	317	1,540	0.1	220
La Pampa	36	2.4	107,355	3.8	4,129	100,984	3.8	3,884
La Rioja	26	1.7	16,275	0.6	740	14,496	0.5	659
Mendoza	228	15.3	18,435	0.7	82	10,462	0.4	47
Misiones	473	31.8	23,982	0.8	51	18,098	0.7	38
Neuquén	46	3.1	3,802	0.1	91	1,429	0.1	34
Río Negro	106	7.1	112,050	4.0	1,057	110,549	4.2	1,043
Salta	19	1.3	70,872	2.5	3,730	54,198	2.0	2,853
San Juan	55	3.7	5,288	0.2	96	3,837	0.1	70
San Luis	26	1.7	129,640	4.6	7,202	105,696	4.0	5,872
Santa Cruz	16	1.1	953,899	33.7	59,619	948,667	35.7	59,292
Santa Fe	46	3.1	15,021	0.5	601	14,718	0.6	589
Santiago del Estero	2	0.1	310	0,0	310	310	0.0	310
Tierra del Fuego	3	0.2	141,335	5,0	47,112	138,511	5.2	46,170
Tucumán	5	0.3	8,849	0,3	2,212	8,495	0.3	2,124
Country Total	1,486	100.0	2,827,463	100.0	2,049	2,656,559	100.0	1,925

Source: SENASA. 2007. Based on information provided by Certification Bodies.

(*) Including farms exclusively dedicated to apiculture.

(**) Excluding farms exclusively dedicated to apiculture.

Table No. 7: Area Harvested with Organic Products. Distribution of Groups of Crops by Province. Year 2006.

<i>Provinces</i>	<i>Grains and Oilseeds</i>	<i>Vegetables and Pulses</i>	<i>Industrial Crops</i>	<i>Fruits</i>	<i>Herbs</i>	<i>Total</i>
Buenos Aires	22,813.71	537.54	500.00	38.58	111.10	24,000.94
Catamarca	0.00	0.00	640.79	0.00	0.00	640.79
Chubut	37.28	30.33	0.00	94.58	12.75	174.94
Córdoba	1,134.13	0.10	1,705.95	2.62	1.35	2,844.15
Corrientes	24.33	0.00	216.14	124.42	0.00	364.89
Entre Ríos	3,917.75	0.60	0.00	164.73	0.00	4,083.08
Formosa	0.00	0.00	11.00	0.00	0.00	11.00
Jujuy	120.00	7.00	867.10	0.00	0.00	994.10
La Pampa	10.73	4.17	0.00	0.20	0.30	15.40
La Rioja	0.00	54.00	2,021.28	0.00	1.40	2,076.68
Mendoza	191.18	576.17	2,506.32	1,364.59	21.24	4,659.50
Misiones	0.00	0.00	2,938.78	12.00	0.00	2,950.78
Neuquén	0.00	25.83	0.00	409.73	0.03	435.59
Río Negro	1,369.40	18.94	13.69	1,067.48	5.59	2,475.10
Salta	2,995.18	874.72	2,380.42	0.00	0.00	6,250.32
San Juan	38.65	317.40	512.23	230.35	31.81	1,130.44
San Luis	2,209.40	4.00	0.00	0.00	0.00	2,213.40
Santa Cruz	0.00	3.00	0.00	0.00	0.00	3.00
Santa Fe	521.12	8.00	0.00	0.00	19.54	548.66
Tucumán	0.00	20.00	0.00	396.58	0.00	416.58
Total	35,382.86	2,481.80	14,313.70	3,905.85	205.11	56,289.32

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 8: Exports of Organic Products of Plant Origin. Year 2006 (in Kg.)

<i>Products</i>		<i>Destination</i>				<i>Total</i>
		<i>European Union</i>	<i>United States</i>	<i>Switzerland</i>	<i>Other</i>	
Total exports in 2006		63,915,446	19,972,247	1,422,285	7,525,857	92,835,836
Grains		3,771,120	2,611,530	1,144,070	4,506,202	12,032,922
	Bread wheat	3,494,790		1,127,770	3,460,792	8,083,352
	Rice		2,572,000		121,500	2,693,500
	Maize	143,000	19,750		726,760	889,510
	Durum wheat				196,150	196,150
	Popcorn	91,000	19,780		1,000	111,780
	Foxtail Millet	42,330				42,330
	Oats			16,300		16,300
Oilseeds		17,093,780	4,460,555	270,425	291,202	22,115,962
	Soya	10,008,386	4,101,640		174,620	14,284,646
	Flax	3,780,577	321,075		66,000	4,167,652
	Sunflower	1,968,430		176,010	43,120	2,187,560
	Safflower	1,136,780				1,136,780
	Sunflower seeds	199,607	37,840	37,375	7,462	282,283
	Rapeseed			57,040		57,040
Fruits		20,965,390	5,912,446		605,787	27,483,623
	Pears	10,851,460	5,173,154		549,855	16,574,469
	Apples	9,303,444	655,569		39,924	9,998,937
	Plums	749,668	47,940			797,608
	Cherries	19,768	11,680			31,448
	Lemons	21,000				21,000
	Apricots	19,404				19,404
	Grapes		17,703			17,703
	Raspberries	636			11,000	11,636
	Olives		6,400			6,400
	Strawberries				2,508	2,508
	Mulberries				2,500	2,500
	Berries	9				9
Vegetables and Pulses		7,894,235	272,400		166,000	8,332,635
	Onions	5,499,606				5,499,606
	Garlic	965,464	266,800			1,232,264
	Pumpkin	1,074,466			66,000	1,140,466

Table No. 8: Exports of Organic Products of Plant Origin. Year 2006 (in Kg.)

<i>Products</i>		<i>Destination</i>				<i>Total</i>
		<i>European Union</i>	<i>United States</i>	<i>Switzerland</i>	<i>Other</i>	
Total exports in 2006		63,915,446	19,972,247	1,422,285	7,525,857	92,835,836
	Beans	298,070			100,000	398,070
	Asparagus	39,393	5,600			44,993
	Shallots	12,928				12,928
	Peas	4,308				4,308
Herbs		4,974	10,277	172	1,096	16,519
	Sage		4,390		130	4,520
	Hyssop		3,111		40	3,151
	Oregano	1,464			184	1,648
	Rosemary		1,200		221	1,421
	Thyme	1,101			14	1,114
	Lavender	571	510			1,081
	Tarragon	530	206		195	931
	Melissa	914			5	919
	Lemon verbena	395	500		5	899
	Savory		360		84	444
	Lavandin				200	200
	Rosella			172		172
	Laurel				3	3
	Mint				8	8
	Pennyroyal				8	8
Processed Products		14,184,183	6,705,039	7,422	1,903,571	22,800,214
	Cane sugar	10,590,800	1,014,658		529,000	12,134,458
	Concentrated grape must	75,574	2,044,660		245,564	2,365,797
	Wine	1,478,669	421,087		39,287	1,939,043
	Soybean meal	51,970			893,030	945,000
	Concentrated apple juice	15,300	782,526			797,826
	Olive oil	216,530	563,570		3,579	783,680
	Concentrated lemon juice	194,250	394,234		11,963	600,446
	Concentrated pear juice	71,910	515,187			587,097
	Pear pulp	327,940	43,556		18,648	390,144
	Raisins	297,500	55,080		14,500	367,080
	Sunflower oil		322,945		1,358	324,303
	Apricot pulp	242,471				242,471

Table No. 8: Exports of Organic Products of Plant Origin. Year 2006 (in Kg.)

Products		Destination				Total
		European Union	United States	Switzerland	Other	
Total exports in 2006		63,915,446	19,972,247	1,422,285	7,525,857	92,835,836
	Concentrated orange juice	90,400	48,495		25,466	164,361
	Corn flower	120,000	20,400		19,000	159,400
	Pear purée		144,951		9,232	154,183
	Sunflower expellers	139,870				139,870
	Apricot purée	18,120	36,376		36,348	90,844
	Maté (<i>Ilex Paraguensis Saint Hilaire</i>)	5,841	59,782	4,834	3,130	73,587
	Dried apples	46,830	17,149	2,500		66,479
	Soybean oil		63,470			63,470
	Prunes	40,000	16,443		1,000	57,443
	Peanut oil	53,040				53,040
	Pumpkin purée	36,304			9,168	45,472
	Molasses		38,700			38,700
	Apple pulp		29,564			29,564
	Frozen strawberries		22,100		4,522	26,622
	Peach purée		14,708		11,061	25,769
	Hominy grits				22,000	22,000
	Jojoba oil	17,065	2,340	0		19,405
	Lemon essential oil	9,000	10,080			19,080
	Plum purée	18,397				18,397
	Orange essential oil	10,980				10,980
	Plum pulp		8,961			8,961
	Jam	5,185	205		2,917	8,308
	Concentrated tangerine juice		8,177			8,177
	Dried pears	7,245				7,245
	Dried tomatoes		5,226			5,226
	Concentrated grapefruit juice				1,586	1,586
	Tea	222	390	88	800	1,499
	Rose hip essential oil	1,102			5	1,107
	Grapefruit essential oil	540				540
	Rose hip shell	500				500
	Canned small fruits				407	407
	Tangerine essential oil	360				360
	Morchella intermedia	268				268

Table No. 8: Exports of Organic Products of Plant Origin. Year 2006 (in Kg.)

Products	Destination				Total
	European Union	United States	Switzerland	Other	
Total exports in 2006	63,915,446	19,972,247	1,422,285	7,525,857	92,835,836
Concentrated apple aroma		20			20
Others	1,765		196	52,000	53,961
Rose hip seeds				52,000	52,000
Rose hip	1,765				1,765
Stevia rebaudiana			196		196

Source: SENASA 2007. Based on information provided by Certification Bodies.

Table No. 8.1: Exports of Organic Products of Plant Origin to the European Union. Year 2006 (in Kg.)

Products		Germany	Austria	Belgium	Denmark	Spain	Finland	France	Hungary	Italy	The Netherlands	United Kingdom	Sweden	Total
Total Exports 2006		12,622,740	52,500	8,998,894	68,850	483,775	65,256	1,756,219	408	6,984,219	16,802,320	14,350,672	1,729,593	63,915,446
Grains				93,920						66,000	168,000	3,443,200		3,771,120
	Bread wheat			51,590								3,443,200		3,494,790
	Maize									23,000	120,000			143,000
	Popcorn									43,000	48,000			91,000
	Foxtail millet			42,330										42,330
Oilseeds		1,966,971		1,325,410	42,000			590,780		2,814,600	4,652,623	5,219,736	481,660	17,093,780
	Soya	1,247,260		1,067,970						2,092,600		5,118,896	481,660	10,008,386
	Flax	260,392		257,440	42,000			20,000		166,920	2,976,985	56,840		3,780,577
	Sunflower							95,980		555,080	1,273,370	44,000		1,968,430
	Safflower	296,000						474,800			365,980			1,136,780
	Sunflower seeds	163,319									36,288			199,607
Fruits		4,775,639		3,074,825		72,750	65,256			2,649,536	7,706,649	2,254,610	366,126	20,965,390
	Pears	2,382,715		1,362,956		72,750	4,104			1,498,979	4,003,755	1,364,153	162,048	10,851,460
	Apples	2,157,166		1,708,229			61,152			875,757	3,507,429	789,634	204,078	9,303,444
	Plums	214,746		3,640						260,100	174,464	96,718		749,668
	Lemons										21,000			21,000
	Cherries	1,368								14,700		3,700		19,768
	Apricots	19,404												19,404
	Raspberries	240										396		636
	Berries											9		9
Vegetables and Pulses		1,064,872		1,015,535		193,400		715,772		739,549	1,533,593	2,560,184	71,330	7,894,235
	Onions	933,000		987,535				511,170		96,000	993,130	1,966,771	12,000	5,499,606
	Pumpkin	115,872				38,400		42,165		61,840	239,515	517,344	59,330	1,074,466
	Garlic	16,000		28,000		132,000		149,509		306,095	299,860	34,000		965,464
	Beans					23,000				275,070				298,070
	Asparagus									544	1,088	37,761		39,393
	Shallots							12,928						12,928
	Peas											4,308		4,308
Herbs		4,444						530						4,974
	Oregano	1,464												1,464
	Thyme	1,101												1,101
	Melissa	914												914
	Lavender	571												571

Table No. 8.1: Exports of Organic Products of Plant Origin to the European Union. Year 2006 (in Kg.)

Products	Germany	Austria	Belgium	Denmark	Spain	Finland	France	Hungary	Italy	The Netherlands	United Kingdom	Sweden	Total
Total Exports 2006	12,622,740	52,500	8,998,894	68,850	483,775	65,256	1,756,219	408	6,984,219	16,802,320	14,350,672	1,729,593	63,915,446
Tarragon							530						530
Lemon verbena	395												395
Processed Products	4,810,815	52,500	3,489,204	26,850	217,625		447,372	408	714,535	2,741,455	872,943	810,477	14,184,183
Cane sugar	3,975,800		3,367,000				336,000		352,000	2,200,000	360,000		10,590,800
Wine	159,890		102,297						7,412	78,392	323,034	807,645	1,478,669
Pear pulp	327,741		199										327,940
Raisins	87,500	52,500								87,500	70,000		297,500
Apricot pulp	18,085		446						222,163	893	884		242,471
Olive oil					216,530								216,530
Concentrated lemon juice	70,000			3,000			25,000			96,250			194,250
Sunflower expellers										139,870			139,870
Corn flower										120,000			120,000
Concentrated orange juice				23,850			24,000			18,550	24,000		90,400
Concentrated grape must	29,824								45,750				75,574
Concentrated pear juice									71,910				71,910
Peanut oil	53,040												53,040
Soybean meal											51,970		51,970
Dried apples	46,830												46,830
Prunes							40,000						40,000
Pumpkin purée											36,304		36,304
Plum purée			18,397										18,397
Apricot purée	18,120												18,120
Joboba oil	16,200		865										17,065
Concentrated apple juice									15,300				15,300
Orange essential oil							10,980						10,980
Lemon essential oil	540						8,460						9,000
Dried pears	7,245												7,245
Maté (Ilex Paraguensis Saint Hilaire)					847		1,754	408				2,832	5,841
Jam							9				5,176		5,185
Rose hip essential oil					27						1,075		1,102
Grapefruit essential oil							540						540
Rose hip shell	0										500		500
Tangerine essential oil							360						360

Table No. 8.1: Exports of Organic Products of Plant Origin to the European Union. Year 2006 (in Kg.)

<i>Products</i>		<i>Germany</i>	<i>Austria</i>	<i>Belgium</i>	<i>Denmark</i>	<i>Spain</i>	<i>Finland</i>	<i>France</i>	<i>Hungary</i>	<i>Italy</i>	<i>The Netherlands</i>	<i>United Kingdom</i>	<i>Sweden</i>	<i>Total</i>
Total Exports 2006		12,622,740	52,500	8,998,894	68,850	483,775	65,256	1,756,219	408	6,984,219	16,802,320	14,350,672	1,729,593	63,915,446
	Morchella intermedia							268						268
	Tea					222								222
Others								1,765						1,765
	Rose hip							1,765						1,765

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 8.2: Exports of Organic Products of Plant Origin to other Destinations. Year 2006 (in Kg.)

Products	Australia	Bolivia	Brazil	Canada	Chile	China	Korea	Costa Rica	Ecuador	El Salvador	Hong Kong	Israel	Japan
Total Exports 2006	22,000	76,000	170,037	647,200	81,186	5	137,591	25,508	2,580,030	347	58	1,042,210	285,623
Grains		76,000	104,000	42,000				4,500	2,173,320			827,590	
Bread wheat			104,000						1,904,490			401,800	
Maize									72,680			425,790	
Durum wheat									196,150				
Rice		76,000		42,000				3,500					
Popcorn								1,000					
Oilseeds			454	83,120				12,008				195,620	
Soya												174,620	
Flax				40,000				5,000				21,000	
Sunflower				43,120									
Sunflower seed			454					7,008					
Fruits			28,836	48,921	16,008								
Pears				48,921									
Apples			28,836										
Raspberries					11,000								
Strawberries					2,508								
Mulberries					2,500								
Vegetables and Pulses													100,000
Beans													100,000
Pumpkins													
Herbs				880	216								
Rosemary				210	11								
Lavender				200									
Tarragon				40	155								
Oregano				176	8								
Sage				130									
Savory				84									
Hyssop				40									
Thyme					14								
Mint					8								
Pennyroyal					8								
Melissa					5								
Lemon verbena					5								

Table No. 8.2: Exports of Organic Products of Plant Origin to other Destinations. Year 2006 (in Kg.)

Products	Australia	Bolivia	Brazil	Canada	Chile	China	Korea	Costa Rica	Ecuador	El Salvador	Hong Kong	Israel	Japan
Total Exports 2006	22,000	76,000	170,037	647,200	81,186	5	137,591	25,508	2,580,030	347	58	1,042,210	285,623
Laurel					3								
Processed Products	22,000		36,747	472,279	12,962	5	137,591	9,000	406,710	347	58	19,000	185,623
Soybean meal									403,710				
Cane sugar				384,000	7,500		137,500						
Concentrated grape must				18,910									182,734
Wine			27,639	1,825						347			189
Apricot purée				36,348									
Concentrated orange juice													
Hominy grits	22,000												
Corn flower												19,000	
Pear pulp													
Raisins			4,000					8,000					
Concentrated lemon juice									3,000				
Peach purée				11,061									
Pear purée				9,232									
Pumpkin purée				9,168									
Frozen strawberries					4,522								
Olive oil			984	1,655	940								
Maté (Ilex Paraguensis Saint Hilaire)				80			91				58		2,700
Jam			2,917										
Concentrated grapefruit juice													
Sunflower oil													
Prunes								1,000					
Tea			800										
Canned fine fruits			407										
Rose hip essential oil							5						
Others					52,000								
Rose hip seeds					52,000								

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 8.2 (cont.): Exports of Organic Products of Plant Origin to other Destinations. Year 2006 (in Kg.)

Products	Malaysia	Mauritius	Mexico	Norway	New Zealand	Peru	Dominican Rep-	Russia	South Africa	Taiwan	Ukraine	Uruguay	Total
Total Exports 2006	2,500	1,539,822	27,434	239,378	123,363	720	20,740	476,855	20,740	4,950	201	1,358	7,525,857
Grains		1,050,502		228,290									4,506,202
Bread wheat		1,050,502											3,460,792
Maize				228,290									726,760
Durum wheat													196,150
Rice													121,500
Popcorn													1,000
Oilseeds													291,202
Soya													174,620
Flax													66,000
Sunflower													43,120
Sunflower seed													7,462
Fruits			24,079	11,088				476,855					605,787
Pears			24,079					476,855					549,855
Apples				11,088									39,924
Raspberries													11,000
Strawberries													2,508
Mulberries													2,500
Vegetables and Pulses					66,000								166,000
Beans													100,000
Pumpkins					66,000								66,000
Herbs													1,096
Rosemary													221
Lavender													200
Tarragon													195
Oregano													184
Sage													130
Savory													84
Hyssop													40
Thyme													14
Mint													8
Pennyroyal													8
Melissa													5

Table No. 8.2 (cont.): Exports of Organic Products of Plant Origin to other Destinations. Year 2006 (in Kg.)

Products	Malaysia	Mauritius	Mexico	Norway	New Zealand	Peru	Dominican Rep-	Russia	South Africa	Taiwan	Ukraine	Uruguay	Total
Total Exports 2006	2,500	1,539,822	27,434	239,378	123,363	720	20,740	476,855	20,740	4,950	201	1,358	7,525,857
Lemon verbena													5
Laurel													3
Processed Products	2,500	489,320	3,355		57,363	720	20,740		20,740	4,950	201	1,358	1,903,571
Soybean meal		489,320											893,030
Cane sugar													529,000
Concentrated grape must					2,440		20,740		20,740				245,564
Wine			3,355		261	720				4,950			39,287
Apricot purée													36,348
Concentrated orange juice					25,466								25,466
Hominy grits													22,000
Corn flower													19,000
Pear pulp					18,648								18,648
Raisins	2,500												14,500
Concentrated lemon juice					8,963								11,963
Peach purée													11,061
Pear purée													9,232
Pumpkin purée													9,168
Frozen strawberries													4,522
Olive oil													3,579
Maté (Ilex Paraguensis Saint Hilaire)											201		3,130
Jam													2,917
Concentrated grapefruit juice					1,586								1,586
Sunflower oil												1,358	1,358
Prunes													1,000
Tea													800
Canned fine fruits													407
Rose hip essential oil													5
Others													52,000
Rose hip seeds													52,000

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 9: Certified Organic Products of Animal Origin. Total for 2006. Cattle Stocks by Province.

Province	Total Cattle Stocks (Heads)	Cows (Heads)	Heifers (Heads)	Calves (Heads)	Bulls (Heads)	Steers (Heads)	Dairy Cows (Heads)
Buenos Aires	55,371	23,233	7,808	14,192	849	6,987	2,302
Catamarca	5,889	2,772	1,612	1,169	132	204	
Chaco	11,971	2,779	3,088	2,063	120	3,921	
Chubut	642	310	23	250	12	47	
Córdoba	8,284	2,426	1,590	2,159	91	2,018	
Entre Ríos	4,694	2,330	866	1,308	113	77	
La Pampa	17,901	8,748	1,636	4,608	412	2,497	
La Rioja	814	619	107		88		
Río Negro	1,055	363	30	561	39		62
San Luis	6,873	3,632	985	1,860	162	234	
Santa Cruz	2,221	1,151	205	825	40		
Santa Fe	5,459	2,020	872	1,182	138	751	496
Tierra del Fuego	1,304	755	165	284	53	47	
Country Total	122,478	51,138	18,987	30,461	2,249	16,783	2,860

Source: SENASA 2007. Based on information provided by Certification Bodies.

**Table No. 10: Certified Organic Products of Animal Origin. Total for 2006.
Number of Sheep, Goats and other species, and Number of Bee Hives, by Province.**

Province	Total Sheep Stocks (Heads)	Ewes (Heads)	Yearling rams/ewes (Heads)	Rams (Heads)	Wethers (Heads)	Lambs (Heads)	Goats (Heads)	Guanacos/ Llamas (Heads)	No. of Bee Hives
Buenos Aires	140	85		5		50			6,033
Catamarca									510
Chaco									3,969
Chubut	165,963	89,476	32,331	6,479	29,426	8,251	40	1,433	
Córdoba									3,889
Corrientes									741
Entre Ríos	281	96	70	28		87			4,933
Formosa									510
La Pampa									1,872
Mendoza									1,125
Neuquén									469
Río Negro	24,979	15,489	1,292	1,435	5,659	1,104			
San Luis								54	3,998
Santa Cruz	281,490	193,673	45,316	8,763	24,908	8,830			
Santa Fe	176	176							6,681
Santiago del Estero									1,394
Tierra del Fuego	78,188	41,758	14,211	2,462	3,439	16,318			
Tucumán									148
Country Total	551,217	340,753	93,220	19,172	63,432	34,640	40	1,487	36,272

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 11: Exports of Organic Products of Animal Origin. Year 2006. (in Kg.)

Destination	Product					Total
	Sheep meat	Beef	Beeswax	Wool	Honey	
Total Exports 2006	3,320	718,145	335	604,764	888,763	2,215,327
European Union	3,320	602,623	335	591,283	829,700	2,027,261
United Kingdom		601,433			359,426	960,859
Germany				547,318	377,857	925,175
Italy			335	43,965	29,203	73,503
France					41,652	41,652
Denmark					21,562	21,562
Spain	3,320	865				4,185
Greece		325				325
United States					40,699	40,699
Others		115,522		13,481	18,364	147,367
Russia		114,758				114,758
South Africa					17,684	17,684
China				13,481		13,481
Hong Kong		764				764
Japan					680	680

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Table No. 12: Organic Products for Domestic Consumption. Year 2006 (in Kg.)

Of Plant Origin

Product		Total
Grains		10,465
	Oats	10,412
	Bread wheat	53
Vegetables		246,919
	Lettuce	36,301
	Chard	22,562
	Beet	15,060
	Squash	14,955
	Carrot	14,443
	Butternut squash	13,432
	Cucumber	10,315
	Leek	9,814
	Dandelion	8,013
	White cabbage	7,328
	Zucchini	6,732
	Arucula	6,576
	Red cabbage	6,131
	Scallion	5,952
	Radish	5,874
	Basil	5,616
	Tomato	5,182

**Table No. 12: Organic Products for Domestic Consumption.
Year 2006 (in Kg.)**

Of Plant Origin

Product		Total
	Turnip	5,150
	Parsley	4,832
	Bok choy	4,645
	Fennel	4,528
	Broccoli	4,514
	Egg plant	3,451
	Chicory	3,216
	Cherry tomato	2,753
	Ipomoea aquatica	1,882
	Spinach	1,849
	Pack choy	1,839
	Sweet corn	1,726
	Pumpkin	1,626
	Celery	1,484
	Brassica juncea	1,437
	Cauliflower	1,406
	Melon	1,195
	Pepper	1,189
	Chrysanthemum	789
	Nira	690
	Brassica alboglabra	583
	Chinese cabbage	499
	Bitter cucumber	252
	Malabar spinach	235
	Red amaranth	156
	Luffa cylindrica	153
	Chive	150
	Turnip greens	141
	Sweet potato	100
	Radicchio	83
	Watermelon	49
	Zucchini	13
	Onions	12
	Tomato	7
	Brassica oleracea	2
Pulses		1,107
	String beans	748
	Green beans	166
	Broad beans	133
	Pod peas	60
Processed Products		7,654
	Soy sauce	2,579
	Brown rice	1,857

**Table No. 12: Organic Products for Domestic Consumption.
Year 2006 (in Kg.)**

Of Plant Origin

Product		Total
	Red soybean paste	1,025
	Wine	980
	Common white rice	695
	Moti brown rice	229
	Moti white rice	165
	White soybean paste	124

Of Animal Origin

Product		Total
<i>Beekeeping</i>		70,128
	Honey	70,128

Source: SENASA. 2007. Based on information provided by Certification Bodies.

Annex

Group	Species	Group	Species	Group	Species	Group	Species	Group	Species
Industrial Crops	Aloe Vera	Vegetables	Chard	Vegetables	Melon	Fruits	Almond	Grains	Rice
	Sugar cane		Bok choy		Turnip green		Hazelnut		Oat
	Jojoba		Chicory		Turnip		Berries		Barley
	Hop		Pepper		Nira		Black currant		Rye
	Olive		Garlic		Pack choy		Chestnut		Kamut
	Tobacco		Chinese cabbage		Potato		Cherry		Maize
	Tea		Basil		Cucumber		Plum		Blue corn
	Grapes		Artichoke		Bitter cucumber		Apricot		Popcorn
	Maté (Ilex Paraguensis Saint Hilaire)		Celery		Parsley		Peach		Millet
Herbs	Savory	Burdock	Vegetables	Pepper	Fruits	Raspberry	Oilseeds	Foxtail millet	
	Basil	Sweet potato		Green bean		Pomegranate		Grain sorghum	
	Amaranth	Egg plant		Leek		Red currant		Durum wheat	
	Aloysia polystachya (Gris) Mold.	Brassica alboglabra		Radish		Morello cherry		Bread wheat	
	Lemon verbena	Brassica juncea		Radicchio		Fig		Safflower	
	Coriander	Broccoli		Dandelion		Kiwi	Rape		
	Currant	Scallion		Beet		Lemon	Oilseed sunflower		
	Dill	Onion		White cabbage		Tangerine	Confectionary Sunflower		
	Tarragon	Sweet corn		Red cabbage		Apple	Flax		
	Fennel	Chive		Arucula		Quince	Peanut		
	Hyssop	Cabbage		Watermelon		Mulberry	Soy		
	Laurel	Cauliflower		Tomato		Orange			
	Lavender	Chrysanthemum		Cherry tomato		Nectarine			
	Lavandin	Echalion		Carrot		Nut			
	Chamomile	Shallot		Squash		Avocado			
	Marjoram	Endive		Pumpkin		Pear			
	Melissa	Asparagus		Butternut squash		Grapefruit			
	Mint	Spinach		Zucchini		Blackberry			
	Oregano	Strawberry							
	Minthosthachys mollis	Broad bean		Pulses		Peas			
	Pennyroyal	Fennel				Dry bean			
	Rosemary	Ipomoea							
	Sage	Lettuce							
	Thyme	Luffa cylindrica							

