

KOREA, Republic of - Agricultural Census 2000 - Explanatory Notes

Historical outline

The Republic of Korea participated five times in the decennial World Census of Agriculture Programme, with the agricultural censuses conducted in 1960, 1970, 1980, 1990 and lastly in 2000. Starting from 1995 the agricultural census is undertaken every five years.

Organization

The Korea National Statistical Office (NSO) through the Population & Social Statistics Bureau, Agriculture & Fishery Statistics Division, is in charge for the organization and implementation of the agricultural census to be conducted every five years in the years ending in zero and five.

Enumeration period

Data were collected from 5 – 16 March 2001.

Reference date/period

- For items to be surveyed at a point in time: 1 December 2000.
- For items to be surveyed for a period of time: from 1 December 1999 to 30 November 2000.

Definition

The selected statistical unit was the "private farm household", defined as:

- A household directly cultivating an area of at least 0.1 ha of arable land (paddy fields, upland fields), or land under permanent crops at the time of enumeration.
- A household selling more than 500 000 won (about US\$ 427, at the exchange rate of 1US\$ =1 170 won) of agricultural and/or livestock products.
- A household raising livestock for a total value of at least 500 000 won at the time of enumeration.

Coverage

- Geographically, the census covered all the areas where the administrative power of Korean government is extended.
- Statistically all holdings, private or institutional, falling under one of the sub-categories of "Farm Household" were enumerated.

Frame

The frame for the agricultural census is obtained by adapting the maps of the Enumeration Districts (EDs) used for the previous Population Census.

Method

Complete enumeration of all agricultural holdings was carried out by direct interview. For some households a self-enumeration was adopted.

Data source

Agricultural Census 2000, Final Report, May 2002. Korea National Statistical Office (KNSO).

Contact

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Website

<http://www.nso.go.kr>

<http://www.maf.go.kr/main.tdf>

KOREA, Republic of - Agricultural Census 2000 - Main Results

TOTAL NUMBER OF HOLDINGS (PRIVATE FARM HOUSEHOLDS)		
	Number of holdings	
Total	3 269 527	-

MEMBERS OF HOLDER'S HOUSEHOLD		
	Number of persons	
Total	4 031 065	-
Male	1 970 989	-
Female	2 060 076	-

KYRGYZSTAN - Agricultural Census 2002 - Explanatory Notes

Historical outline

The Agricultural Census 2002, to which the results presented here refer, is the first census of agriculture sector of the Kyrgyz Republic.

Organization

The National Statistical Committee of the Kyrgyz Republic in collaboration with the Regional State Authorities and the Municipality of Bishkek City was the responsible office for the preparation, conduct, data processing, aggregation and publication of the results of the Agricultural Census in pursuance of decree of the President of the Kyrgyz Republic. Technical support for organization and implementation was provided by the Governments of Switzerland, Germany and Turkey, and by the Food and Agriculture Organization of the United Nations (FAO). Financial support, in order to cover costs for training and preparation of census documentation, was provided by the Government of the Swiss Confederation. Nearly 6 200 people were involved in census operations

Enumeration period

The census was conducted in two stages: The first stage was conducted from 1 – 15 June 2002 in the Southern part of the country, and from 1 – 15 August 2002 in the Northern part. The second stage was conducted between 1 – 15 November 2003.

Reference date/period

Data on land use, area sown, berries, fruits and vineyards were collected during the first phase of the census, i.e. during 1 – 15 June 2002. Data on crops harvested refer to the calendar year 2002. Data on livestock, livestock buildings, agricultural machinery and employment were collected during the second stage of the census i.e. during the period 1 – 15 November 2003.

Definition

- **Main Farm:** A farm with agriculture as main type of activity.
- **Subsidiary farm:** A farm with agriculture as secondary type of activity
- **Aiyl Okmotu:** An authorized organ to distribute either lands to lessees from the Land Fund, or lands belonging to the Aiyl Okmotu to be utilized for agricultural purposes for a certain period and for payment.
- **Head of Peasant Farm:** Could be any capable citizen aged 16 years and over.

Coverage

The census covered the whole country, i.e. the Administrative Regions of Batken, Jalal-Abad and Osh in the South, and of Ysyk-Kul, Naryn, Talas, Chui and Bishkek City in the Northern part of the country.

Frame

During the preparatory works for the Census, in order to ensure a full coverage, the lists of Main Farms, of Personal Subsidiary Holdings, of Collective Gardens, of Collective Kitchen-Gardens and the lists of dwellings with subsidiary holdings in towns and urban-type settlements were checked and adjusted. These lists are maintained by various administrative organs, like the Common State Register of Statistical Units or the Aiyl Okmotus.

Method

The census was conducted through direct interview of holders of peasant farms and of owners of personal subsidiary plots by specially trained enumerators. Census operations were carried out in the 4 500 Enumeration Areas of the 452 Enumeration Departments. Objective measurement of sown area of crops and area under fruit-trees and berries was carried out, together with a recount of livestock, machinery, infrastructures, and population employed in agriculture.

Data source

Results of the First Agricultural Census of the Kyrgyz Republic of 2002, the first phase: publications I, II & book III; the second stage: publication I and book II, Bishkek 2003 & 2004. National Statistical Committee of the Kyrgyz Republic.

Contact

National Statistical Committee of the Kyrgyz Republic, Agricultural Census Division, 374, Frunze Street, Bishkek City. Tel.: (+996) 31 266 4043, (+996) 31 266 4333; Fax: (+996) 31 266 0138, (+996) 31 262 5671; E-mail: 311@nsc.bisto, icd@stat.kg.

Website

<http://www.stat.kg>

KYRGYZSTAN - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Arable land Area (ha)
Total	1 130 855	1 306 787
Main Farms	247 673	-
Subsidiary Farms	882 730	-
Ayil Okmotu	452	-

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Arable land Area (ha)
Total	1 130 855	1 306 787
Without arable land ⁽¹⁾	91 858	1
Under 0.05 ha	299 854	7 914
0.05 and under 0.1 ha	262 508	17 836
0.1 and under 0.2 ha	191 921	26 298
0.2 and under 0.5 ha	69 275	19 628
0.5 and under 1 ha	48 714	36 009
1 and under 5 ha	134 723	301 647
5 and under 10 ha	18 577	124 305
10 and under 15 ha	5 222	61 709
15 and under 20 ha	2 493	42 584
20 and under 50 ha	4 119	120 590
50 and under 100 ha	740	49 839
100 and under 200 ha	304	42 044
200 and under 500 ha	231	76 349
500 and under 1000 ha	171	120 652
1 000 and under 2000 ha	109	147 924
2 000 and under 2500 ha	13	29 002
2 500 ha and over	23	82 456

⁽¹⁾ According to documents

LEGAL STATUS		
	Number of holdings	Arable land Area (ha)
Total	1 130 855	-
Civil persons	1 123 801	-
Others	7 054	-

LAND TENURE		
	Number of holdings	Arable land Area (ha)
Total holdings with arable land ⁽²⁾	1 003 885	-
Under one form of tenure	974 048	-
Owned	968 211	-
Rented	2 933	-
Other single forms of ten.	2 904	-
More than one form of ten.	29 837	-

⁽²⁾ By objective measurement

HOLDERS BY SEX (PEASANT AND INDIVIDUAL FARMS)		
	Number of persons	
Total	246 901	-
Male	214 150	-
Female	30 254	-

HOLDERS BY AGE (PEASANT AND INDIVIDUAL FARMS)		
	Number of persons	
Total	246 901	-
Under 18 years of age	2 524	-
18 - 29	11 045	-
30 - 34	21 417	-
35 - 39	34 788	-
40 - 44	41 537	-
45 - 49	34 054	-
50 - 54	26 535	-
55 - 59	12 688	-
60 years of age and over	62 313	-

LAND USE		
		Arable land Area (ha)
Arable land, total	-	1 306 787
Temporary crops	-	1 085 600
Kitchen gardens / Temp. fallow	-	12 922
All other arable land	-	208 265

MAIN TEMPORARY CROPS		
		Area sown (ha)
Wheat, total	-	409 311
Barley, total	-	58 159
Sunflower	-	52 359
Maize	-	46 042
Cotton	-	34 415
Potatoes	-	26 053
Sugarbeets	-	23 278
Beans	-	19 732
Safflowerseed	-	8 977
Rice	-	6 786
Tomatoes	-	5 599
Onions	-	4 805
Cabbages	-	3 313
Carrots	-	3 193
mustardseed	-	2 366
Melons	-	2 333
Tobacco	-	2 088

MAIN PERMANENT CROPS			
Apples	Holdings reporting	-	611 145
	Area (ha)	-	25 649
	Number of trees	-	8 363 500
Pears	Holdings reporting	-	213 511
	Area (ha)	-	1 811
	Number of trees	-	719 000
Plums	Holdings reporting	-	179 493
	Area (ha)	-	1 904
	Number of trees	-	855 600
Cherries	Holdings reporting	-	213 187
	Area (ha)	-	1 329
	Number of trees	-	697 500
Apricots	Holdings reporting	-	407 220
	Area (ha)	-	10 615
	Number of trees	-	2 546 000
Peaches	Holdings reporting	-	181 512
	Area (ha)	-	1 348
	Number of trees	-	574 300
Walnuts	Holdings reporting	-	180 565
	Area (ha)	-	887
	Number of trees	-	325 100
Pomegranates	Holdings reporting	-	59 143
	Area (ha)	-	616
	Number of trees	-	288 800
Grapes	Holdings reporting	-	227 182
	Area (ha)	-	6 964
	Number of vines	-	7 936 700

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	374 384	1 088 263
Sheep	208 798	3 047 736
Goats	123 491	945 151
Pigs	24 678	105 476
Horses	151 830	361 141
Chickens	-	4 751 700
Geese	-	106 910
Ducks	-	230 003
Turkeys	-	219 562
Mules & Asses	45 337	48 561

MACHINERY AND EQUIPMENT		
	Holdings reporting	Units
Tractors	14 748	21 921
Grain/Rice Harvester-Threshers (Combines)	1 745	2 690
Potato diggers	307	336
Mowers, Forage harvesters	1 021	1 261

Historical outline

The agricultural census 1998/99 is the first conducted in the Lao People's Democratic Republic.

Organization

The census was undertaken under the overall control of the agricultural census Steering Committee, comprising representatives of the State Planning Committee (SPC) and of the Ministry of Agriculture and Forestry (MAF), according to the Prime Minister's Decree No. 21 of 9 September 1997. The Agricultural Census Office, with staff from MAF and the National Statistical Centre (NSC) of SPC was established to implement the census. Technical and financial support was provided by the Swedish International Development Agency (SIDA) and its executing agency, Statistics Sweden. The census was based on the guidelines of FAO World Census of Agriculture 2000. Additional emphasis was given to rice because of its importance in Lao agriculture. About 2 200 enumerators were employed for the complete enumeration phase of Agricultural Census.

Enumeration period

The enumeration period lasted from 22 February to 19 March 1999.

Reference date/period

Livestock data refer to the day of enumeration. The reference period of most data collected in the census was the 1998/99 agricultural year, covering the 1998 wet season (from May to October 1998) and the 1998/99 dry season (from November 1998 to April 1999).

Definition

- **Agricultural Holding:** An agricultural holding (sometime referred to as a holding or a farm household) is an economic unit of agricultural production under single management, comprising all livestock raised and all agricultural land operated. Usually an agricultural holding is the same as a household, but sometimes it consists of two or more households operating as a partnership. The Census covered only the holdings that: either operated 0.02 ha or more of agricultural land in the 1998 wet season or in the 1998/99 dry season, or were raising 2 or more cattle or buffaloes, or 5 or more pigs or goats, or 20 or more poultry at the time of the census

Coverage

The census covered the whole of Lao PDR, including urban areas in Vientiane and elsewhere. The census only included agricultural activities of private households, carried out on their own or in partnership with others households. Agricultural activities undertaken by government organisations, business, etc. were excluded.

Frame

The census frame was prepared using the list of villages and households collected during the 1995 Population Census.

Method

The census was conducted in two parts: a complete enumeration of all agricultural holdings, to collect some basic data about agriculture, and a sample survey of agricultural holdings to collect more detailed information. The sample was selected using a two-stage sampling design: a sample of villages was first selected, and then a sample of households was selected in each of the sampled villages. Agricultural holdings were identified by asking the sampled households about their crop and livestock activity. About 2 200 enumerators were employed for the complete enumeration and 1 200 for the sample component. A Short Questionnaire was used for the complete enumeration and a Long Questionnaire for the sample survey; an additional form was also used to report area measured.

Data source

Lao Agricultural Census, 1998/99 Highlights Vientiane, February 2000. Steering Committee for the Agricultural Census, Agricultural Census Office.

Contact

Ministry of Planning and Investment (MPI), Department of Statistics (DoS), Lunag Prabang Road, Vientiane Capital, the Lao People's Democratic Republic. Tel.: (+856) 21 214 7740, (+856) 21 242 023; Fax: (+856) 21 219 129; E-mail: nscp@etllao.com.

Website

<http://www.nsc.gov.la>

LAO PEOPLE'S DEMOCRATIC REPUBLIC (THE) - Agric. Census 1998/99 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	668 000	1 047 700

NUMBER AND AREA OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Total	668 000	1 047 700
Without land	20 800	-
< 1 ha	234 800	133 800
1 - 2 ha	235 400	314 800
2 - 3 ha	95 800	222 300
3 and over	81 200	376 800

FRAGMENTATION		
	Number of holdings	Number of parcels
Holdings reporting parcels	647 200	-
holdings with:		
1 parcel	257 200	-
2 parcels	198 900	-
3 parcels	110 500	-
4 parcels	48 400	-
5 parcels and more	32 200	-
Parcels, total	-	1 365 100

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	-	1 047 800
Owned	-	1 013 200
Rented	-	26 900
Other single forms of ten.	-	7 600

HOLDERS BY SEX		
	Number of holders	
Total	667 900	-
Male	607 300	-
Female	60 600	-

HOLDERS BY AGE		
	Number of holders	
Total	667 900	-
< 25 years of age	25 900	-
25 to 44	351 000	-
45 to 64	238 600	-
65 >	52 400	-

HOLDERS AND HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	2 103 500	-
Male	1 020 800	-
Female	1 082 700	-

HIRED PERMANENT WORKERS		
Total	199 000	-
Male	87 900	-
Female	111 100	-

LAND USE		
		Area (ha)
Total land	-	1 047 700
Agricultural land	-	976 200
Cropland	-	958 600
Arable land	-	877 300
Temporary crops	-	765 000
temporarily fallow	-	112 300
Permanent crops	-	81 300
Permanent mead./past.	-	17 600
Wood or forest land	-	54 000
All other land	-	17 500

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Rice	614 000	735 100

PERMANENT CROPS (holdings reporting and area)		
	Holdings reporting	Area (ha)
Coffee	23 700	41 200
Cardamon	6 100	5 200
Peaches	6 500	200
Coconut	109 100	900
Oranges	34 400	1 000
Pineapples	25 900	11 500
Bananas	109 000	13 400
Mangoes	152 000	3 800
Tamarind	68 000	1 500
Jackfruit	73 800	600
Longan	23 900	400

PERMANENT CROPS (number of trees)		
	Total number of trees	of which: in compact plantation
Coffee	62 904 000	62 761 000
Cardamon	9 030 000	9 017 000
Peaches	52 000	24 000
Coconut	738 000	260 000
Oranges	488 000	325 000
Pineapples	5 217 000	4 506 000
Bananas	6 841 000	6 022 000
Mangoes	1 427 000	645 000
Tamarind	1 408 000	1 137 000
Jackfruit	503 000	155 000
Longan	253 000	147 000

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	208 100	994 100
Buffaloes	322 100	991 900
Goats	25 600	94 400
Pigs	327 500	1 036 300
Chickens	49 900	9 668 700
Ducks	190 800	1 351 300

LATVIA - Agricultural Census 2001 - Explanatory Notes

Historical outline

During the first independent period of Latvia, six agricultural censuses were conducted. The results of the 1939 census were not compiled in full, as war interrupted the work. During the post-war period, such large scale projects were not usually implemented. This practice was restarted with the funding allotted by the Government and methodological support of international experts.

Organization

The Central Statistics Bureau (CSB) and employees of the regional statistics offices carried out methodological guidance and organized work of the agricultural census. Taking into account the requirements of the World Agricultural Census Programme 2000, the requirements of EUROSTAT, the working group headed by the CSB with participation of experts from the Ministries of Agriculture, Economy, Environmental Protection and Regional Development, State Land Service and the Latvian Institute of Agrarian Economics developed a working programme and a questionnaire. In addition to the regular personnel of CSB and regional statistical offices, 2 742 persons were involved: 26 assistant managers, 533 supervisors and 2 183 enumerators.

Enumeration period

The census was carried out between 1 June and 5 July.

Reference date/period

Data on each agricultural farm for land use, livestock, buildings, machinery and other equipment was compiled as of June 2001. The sown areas included areas sown both as of 1 June and after 1 June for the harvest of 2001. The persons employed involved all those who were employed over the last twelve months before the census.

Definition

The agricultural holdings surveyed in the census were:

- who own or use agricultural land in the area of 1 ha or more;
- who during the last calendar year have produced for sale agricultural products worth Last (Ls) LVL 1 000 and over of, if the area land is less than 1 ha.

Coverage

The census was a countrywide activity.

Frame

A register of agricultural farms was developed by the CSB in 1997. The register compiled information on the composition of households on the basis of household cards of parishes and cities with rural territories. These data were supplemented with information from the State Land Service on land areas listed in the Land Register as properties and on land areas given for use. As a result, the information of all landowners and users as well as rented lands was compiled in the register.

Method

The census was based on a complete enumeration through interviews.

Data source

Results of the 2001 Agricultural Census in Latvia. Central Statistics Bureau of Latvia.

Contact

Central Statistical Bureau of Latvia, 1 Lacplesa Street, Riga LV-1301, Latvia. Tel.: (+371) 227 0126; Fax: (+371) 783 0137; E-mail: ic@csb.lv, csb@csb.gov.lv.

Website

<http://www.csb.gov.lv>

LATVIA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	180 263	3 586 200
of which:		
Economically active	140 835	2 800 100

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	180 263	3 586 200
< 1 ha	62	-
1 - 2 ha	11 060	16 100
2 - 5 ha	35 630	117 800
5 - 10 ha	39 967	285 800
10 - 15 ha	25 782	315 600
15 - 20 ha	17 995	310 900
20 - 30 ha	20 598	497 600
30 - 50 ha	16 096	615 600
50 - 100 ha	9 631	645 300
100 - 200 ha	2 520	337 100
200 - 500 ha	689	203 000
500 ha >	230	241 500

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	180 263	3 586 200
Civil Persons	170 700	18 800
Government	280	3 260 200
Other	9 283	307 200

TENURE OF LAND IN ECONOMICALLY ACTIVE FARMS		
		Area (ha)
Total	-	2 800 100
Owned	-	1 903 600
Rented	-	438 300
Other	-	458 200

PERSONS EMPLOYED IN AGRICULTURE		
	Number of persons	
Total	265 450	-
of which:		
Fully employed in agriculture	66 200	-
Mainly employed in agriculture	134 000	-

LAND USE IN ECONOMICALLY ACTIVE FARMS		
		Area (ha)
All land	-	2 800 100
Agricultural land	-	1 834 000
Cropland	-	1 198 900
Arable land	-	1 178 100
Temporary crops	-	856 200
Fallow land	-	314 300
All other arable land	-	7 600
Permanent crops	-	20 800
Permanent mead./pastures	-	463 600
Unused agricultural land	-	171 500
Wood / forest land	-	721 000
All other land	-	245 100

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	-	167 000
Barley	-	130 200
Triticale	-	12 900
Oats	-	55 300
Winter Rye	-	55 800
Buckwheat	-	10 300
Potatoes	115 093	52 200
Cabbages	-	1 719
Lettuce	-	34
Onions	-	67
Cucumbers	-	469

PERMANENT CROPS		
	Number of trees/ plants	of which: of productive age
Apples	1 090 100	904 500
Pears	126 400	89 500
Quinces	265 100	239 900
Plums	605 500	507 700
Cherries	556 400	477 200

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	76 920	364 800
> 1 year	-	100 700
1 - 2	-	60 400
2 and over	-	203 700
Sheep	6 910	37 500
Goats	4 976	14 500
Pigs	50 834	368 900
Horses	13 983	17 700
Poultry	72 709	3 576 000
Rabbits	17 804	179 400
Bee colonies	8 375	49 400
Furbearing animals	67	181 300

LEBANON - Agricultural Census 1998/99 - Explanatory Notes

Historical outline

Prior to 1998 Census of Agriculture, to which data presented here refer, agricultural censuses were conducted in Lebanon in 1961/62 and in 1970; a livestock census was conducted in 1980.

Organization

The census was organized by the Ministry of Agriculture, 'Direction des Etudes et de Coordination'. The census project, financed by the World Bank, was technically supervised by the Food and Agriculture Organization of the UN, in agreement with the 'Conseil de Développement et de Reconstruction' (CDR). A National Inter-Ministerial Committee, headed by the Director Central Statistics, was formed to follow-up the various phases of the project. Members of the Committee were advisors from the Ministry of Agriculture, from the CDR, from the Chamber of Commerce, Industry and Agriculture and from various Universities of the country. About 60 inspectors, 300 enumerators and 12 supervisors were involved in the field work.

Enumeration period

The enumeration period was 1 November 1998 to 30 July 1999.

Reference date/period

Time reference for items referring to the occupation of land is the agricultural year 1 October 1997 to 30 September 1998; for all other items is the day of enumeration.

Definition

The agricultural holding is considered an economic unit of agricultural production satisfying at least one of the following minimum specifications:

- 500 square meters of non irrigated arable land (Superficie Agricole Utile, SAU);
- 250 square meters of irrigated arable land;
- 100 square meters of land under protective cover;
- 0,5 units of large livestock and a valuable number of poultry and rabbits for breeding.

Coverage

The census covered the entire country.

Frame

Among the census preparatory works, a complete set of topographic maps was prepared and, in 1997, an exhaustive village survey was conducted. On this basis, lists of holders were then prepared.

Method

A pilot survey was conducted, and then complete enumeration of all holdings was carried out.

Data source

Résultats Globaux du Recensement Agricole – FAO, Project UTF/LEB/016 "Assistance au Recensement Agricole", Juin 2000. Ministère de l'Agriculture, Direction des Etudes et de Coordination, République Libanaise.

Contact

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E-mail: ministry@agriculture.gov.lb.

Website

http://www.agriculture.gov.lb/english_file/index_e.htm

LEBANON - Agricultural Census 1998/99 - Main Results

NUMBER AND ARABLE LAND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	194 829	247 940

NUMBER AND ARABLE LAND AREA OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Total	194 829	247 940
without arable land	4 036	-
< 0.1 ha	18 126	1 183
0.1 - 0.2 ha	27 689	3 833
0.2 - 0.5 ha	53 749	17 210
0.5 - 1 ha	37 994	26 422
1 - 2 ha	27 434	37 716
2 - 6 ha	19 536	62 649
6 - 10 ha	3 127	23 517
10 - 20 ha	1 983	26 246
20 - 50 ha	911	26 518
50 ha >	244	22 646

FRAGMENTATION		
	Number of parcels	
Parcels, total	491 682	-

LEGAL STATUS		
		Area (ha)
Total	-	247 940
Civil persons	-	209 803
Government	-	32 512
Other	-	5 625

TENURE OF LAND		
		Area (ha)
Total	-	247 940
Owned	-	153 831
Rented	-	53 704
Other forms of tenure	-	40 405

HOLDERS BY SEX		
	Number of holders	
Total	194 829	-
Male	180 479	-
Female	13 785	-

HOLDERS BY AGE		
	Number of holders	
Total	194 829	-
< 25 years of age	3 135	-
25 - 34	22 689	-
35 - 44	41 254	-
45-54	42 290	-
55 - 64	41 015	-
65 >	43 881	-
Juridical persons	565	-

HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURAL WORK ON THE HOLDINGS		
	Holdings reporting	Number of workers
Total	118 008	187 444

HIRED PERMANENT WORKERS		
	Holdings reporting	Number of workers
Total	10 460	22 753

LAND USE		
		Area (ha)
Arable land	-	247 940

TEMPORARY CROPS		
		Area (ha)
Cereals	-	51 842
Leguminous plants	-	6 506
Vegetables	-	45 232
Industrial crops	-	24 727
Oilseed crops	-	11 103

PERMANENT CROPS		
		Area (ha)
Olives	-	52 421
Fruit trees	-	59 515

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	15 451	75 874
Male		
number of head	-	16 702
< 1 year	-	11 042
1 - 2 years	-	3 738
> 2 years	-	1 922
Female		
number of head	-	59 172
< 1 year	-	14 955
1 - 2 years	-	7 155
> 2 years	-	37 062
Sheep	5 245	378 050
Male		
number of head	-	83 483
< 1 year	-	43 716
1 - 2 years	-	20 254
> 2 years	-	19 513
Female		
number of head	-	294 567
< 1 year	-	54 021
1 - 2 years	-	43 833
> 2 years	-	196 713
Goats	7 166	435 965
Male		
number of head	-	110 668
< 1 year	-	50 752
1 year and >	-	25 405
not stated	-	34 511
Female		
number of head	-	325 297
< 1 year	-	68 547
1 year and >	-	55 975
not stated	-	200 775
Pigs	47	9 711
Horses	-	1 888
Mules	-	1 921
Asses	-	7 654
Chickens	26 647	16 527 398
Beehives	7 029	131 937

LESOTHO - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Lesotho has been conducting Decennial Agriculture Censuses since 1949 and Annual Agriculture Surveys since 1973. The first census of agriculture, conducted in 1949/50, and the second, conducted in 1959/60, were both organized by the Ministry of Agriculture, while those conducted in 1969/70, 1979/80, 1989/90, and the latest, conducted in 1999/2000 to which data here refer, was organized by the Bureau of Statistics (BOS).

Organization

The Bureau of Statistics (BOS), was responsible for census planning, organization, data collection, processing, analysis and tabulation; administrative and financial responsibility was also with the BOS. FAO supported the BOS through a Data Processing Project.

Enumeration period

Enumerators visit the selected households at different times during the reference period, depending on the activities on which information is to be collected.

Reference date/period

The reference period for data collection was 1st August 1999 to 31st July 2000.

Definition

- **An agricultural holding** is an economic unit of agricultural production under single management. It consists of all livestock kept and all land used for agricultural production, regardless of the title. For the purpose of the census, the agricultural holdings were restricted to those meeting one or more of the following conditions:
 - operating at least one field of arable land;
 - raising at least one cow or five or more sheep/goats.
- **Primary Sampling Unit (PSU)** is the statistical area unit with identifiable geographical boundaries defined by physical features and landmarks and delimited in terms of a certain size of population living in villages within the area.

Coverage

The census covered the entire country. The types of holdings covered included peasant farms, large farms, prison farms, school farms, project farms, etc. Information was from both urban and rural areas.

Frame

The BOS has a master sample frame developed by using results from population censuses. The frame has about 789 PSU in rural areas and 249 in urban areas. The sample is updated after every population census.

Method

A stratified multi-stage sampling scheme was adopted, excluding prisons and project farms which were completely enumerated. Large enumeration areas constituted the PSUs and individual agricultural holdings (farming households) constituted the Secondary Sampling Units (SSUs) for estimation of crop areas and livestock population. Fields under specific crops formed the secondary sampling units for estimation of crop yields. The PSUs were selected with probability proportional to size, the size estimate being obtained from the 1996 Population Census. In each PSU, 30 agricultural households were selected through systematic sampling from a list of all agricultural households. Over 3 300 holdings were selected, there being about 30 selected holdings in each PSU. The same sampling method applied to the urban areas where 20 PSUs were selected. Data on crop area were obtained through field measurement of all the selected holdings. Data on yields for major crops were obtained by harvesting sample plots. Information on household characteristics, livestock, crop failures and use of fertilizers and protective chemicals, and the farmer's estimates of the yields of different crops, were collected through interviews with the sampled holder.

Data source

Lesotho Agricultural Census, Volumes I, II and III 1999/2000. Lesotho Bureau of Statistics, Ministry Of Finance and Development Planning.

Contact

Lesotho Bureau of Statistics, Ministry Of Finance and Development Planning, P.O. Box 455, Maseru 100, Lesotho. Tel.: (+266) 223 238 52, (+266) 223 263 93; Fax: (+266) 223 101 77; E-mail: itpd@bos.gov.ls.

Website

<http://www.bos.gov.ls>

LESOTHO - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	
Total	337 795	-

NUMBER OF HOLDINGS BY SIZE OF AREA PLANTED		
	Number of holdings	Area (ha)
Total reported	289 184	-
< 0.5 ha of area planted	151 470	-
0.5 - 1 ha	82 873	-
1 - 2 ha	49 024	-
2 - 3 ha	4 717	-
3 ha >	1 100	-

LEGAL STATUS		
	Number of holdings	
Total reported	290 984	-
Civil persons	290 684	-
Others	300	-

HOLDERS BY SEX AND AGE		
	Number of holders	
Total	337 795	-
Male	233 917	-
< 20 years	700	-
20-29	10 484	-
30-39	36 004	-
40-49	52 600	-
50-59	46 209	-
60-69	34 850	-
70 >	21 533	-
Female	103 878	-
< 20 years	100	-
20-29	1 200	-
30-39	7 629	-
40-49	12 533	-
50-59	19 608	-
60-69	23 817	-
70 >	23 717	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	1 486 332	-
Male	671 329	-
Female	814 203	-

HOLDER'S HOUSEHOLD MEMBERS BY AGE		
	Number of persons	
Total	1 486 332	-
< 10 years	421 987	-
10-20	510 819	-
20-29	275 988	-
30-39	120 475	-
40-49	71 195	-
50-59	40 155	-
60-69	26 066	-
70 >	19 647	-

PERMANENT WORKERS		
	Number of persons	
Total	14 101	-
Male	6 701	-
Female	7 400	-

TEMPORARY CROPS (PURE STAND)		
	Area harvested (ha)	Production (mt)
Wheat	14 190	12 841
Maize	157 946	277 626
Sorghum	25 831	26 807
Beans	13 426	14 320
Peas	4 723	2 800

PERMANENT CROPS		
	Total number of trees	of which: trees of productive age
Peaches	1 417 450	1 204 933
Apples	43 900	33 400
Pears	8 300	5 900
Grapes	3 400	2 400
Quinces	3 400	2 700
Apricots	83 800	68 800
Plums	5 300	4 700

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	157 484	755 134
Male	-	311 834
< 1 year	-	41 750
1 - 2 years	-	50 467
> 2 years	-	219 617
Female	-	443 300
< 1 year	-	42 383
1 - 2 years	-	53 350
> 2 years	-	347 567
Sheep, total	67 049	1 109 107
Male	-	317 485
< 1 year	-	102 267
1 year and >	-	215 218
Female	-	791 622
< 1 year	-	113 767
1 year and >	-	677 855
Goats, total	69 600	937 600
Male	-	270 400
< 1 year	-	77 500
1 year and >	-	192 900
Female	-	667 200
< 1 year	-	95 300
1 year and >	-	571 900
Pigs, total	-	103 700
< 6 month	-	44 200
6 month and >	-	59 500
Horses	-	98 933
Mules	-	1 283
Asses	-	203 368
Chickens	-	1 042 351

LIBYAN ARAB JAMAHIRIYA - Agricultural Census 2001 - Explanatory Notes

Historical outline

A census of agriculture was conducted in the former United Kingdom of Libya in 1960. Subsequently, in the Libyan Arab Jamahiriya three agricultural censuses were conducted, the first in 1974, the second in 1987 and the third, to which data here refer, in 2001.

Organization

The 2001 Census of Agriculture was planned, organized and conducted by the Department of Statistics and Census as central authority. At local level municipalities were also involved in census operations.

Reference date/period

Data refer to the agricultural year 1 October 1999 to 30 September 2000.

Definition

- **Agricultural holding:** A techno-economic unit of agricultural production wholly or partly used for crop production or livestock keeping or tree crops growing, or a mixture of land, livestock and tree crops, operated as an independent economic unit.
- **Owned (private) land:** The land owned by an individual or a family according to documents.
- **Public (Government) land:** is the land owned by the Government or by Islamic Waqf, or public companies or enterprises.
- **Occupied land:** is the land which the holder occupies and cultivates "de facto", taking the entire produce, without any registration or official documentation or rental contract or consent of the legal owner which could be the Government or a private. However, in some cases the permission is given for land owned by Government.

Coverage

The census covered the whole country.

Frame

A list of agricultural holders and holdings was obtained from the 1995 Population Census, whose questionnaire included some questions aimed to identify households involved in agricultural activities.

Method

Complete enumeration of all holdings was carried out. Data were collected through direct interview.

Data source

Agricultural Census 2001 Final Results. Libyan Arab Jamahiriya.

Contact

Statistics and Census Department, P.O. Box 600, Tripoli, Libyan Arab Jamahiriya.

LIBYAN ARAB JAMAHIRIYA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	176 658	1 809 596

FRAGMENTATION		
	Holdings with parcels	Number of parcels
Total	166 154	258 786

HOLDERS AND HOUSEHOLD MEMBERS BY TYPE OF ACTIVITY		Number of persons
Holders, total		176 658
Engaged mainly in agricultural work on the holding		59 566
Engaged in work off the holding		117 092
Household members engaged in agricultural work on the holding		136 074

PERMANENT CROPS		
	Number of trees/ plants	
Almonds	2 429 308	-
Dates	3 494 497	-
Figs	1 041 231	-
Pomegranates	589 530	-
Grapes	3 459 821	-
Citrus fruits	2 633 186	-
Olives	5 679 964	-

LIVESTOCK		
	Head/units	
Cattle, total	129 498	-
Male	27 033	-
Female	102 465	-
Camels, total	132 363	-
Male	20 556	-
Female	111 807	-
Goats, total	5 642 895	-
Male	1 152 780	-
Female	4 490 115	-
Sheep, total	1 146 362	-
Male	237 008	-
Female	909 354	-
Beehives, total hives	12 204	-

LITHUANIA - Agricultural Census 2003 - Explanatory Notes

Historical outline

The second census in independent Lithuania (the first one took place in 1930), to which the data reported here relates, was carried out in 2003.

Organization

The census of agriculture was organized under the Law on Statistics of the Republic of Lithuania, which empowers Statistics Lithuania to carry out all censuses in the country. A Resolution of the Government on Census of Agriculture 2003 charged Statistics Lithuania to establish a Commission on the Census of Agriculture from the representatives of the Ministries and Institutions. The Commission worked on methodological and procedural aspects relating to the Census. The Ministry of Agriculture was actively involved in development of the Census Questionnaire. An order was issued by the Director General of Statistics on the Rules of Filling in the Questionnaire of the Census of Agriculture 2003 and the List of Farms Accountancy. The Questionnaire was in harmony with the guidelines of the UN Statistical Commission and of Eurostat. The enumerators were guided by 116 heads of census units with 1 200 census supervisors checking the questionnaires.

Enumeration period

The Census of Agriculture was conducted during 2 – 30 June 2003.

Reference date/period

For livestock and poultry stocks as on 1 June 2003.

Definition

- **Farm (agricultural holding):** The census questionnaires were filled in by all farms producing agricultural products, provided:
 - their land property was one hectare of agricultural land or more (excluding leased out land); or
 - the income gained from the sale of agricultural products amounted to no less than 40 minimum standards of living (MSL).
- **Utilized Agricultural Land:** land plots of cultivated pastures, meadows and natural grazing, perennials. Kitchen-gardens and green houses.
- **Unutilized Agricultural land:** land used as agricultural land before, though recently it has not been cultivated due to economic, social or other reasons.

Coverage

The Census of Agriculture 2003 covered the entire territory of the country.

The subjects covered included land, crops, livestock, housing, agricultural equipment, the number of family members working in agricultural sector, the number of hired employees, their working hours, the farm group by income level and fishery.

Method

All farmers and land users, who grow agricultural products, were enumerated. Land users using less than one hectare of farming land and cultivating agricultural plants or raising animals and poultry were taken into a special list. Enumerators faced quite a challenge visiting on average eight land users per day and 163 per entire period.

Data source

Provisional Results of the Census of Agriculture 2003 in the Republic of Lithuania.

Contact

Government of Republic of Lithuania, Gediminovo av.29, LT-01500 Vilnius, Lithuania. Tel: (+370) 5 236 4822; Fax: (+370) 5 236 4845; E-mail: statistika@stat.gov.lt.

Website

<http://www.stat.gov.lt/en>

LITHUANIA - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	610 543	3 029 700
Of which:		
Farms 1 ha and more	278 563	2 939 071
Household plots (less than 1 ha)	331 980	90 629

NUMBER AND TOTAL AREA OF FARMS (1 ha AND MORE) BY SIZE OF TOTAL AREA OF HOLDING		
Size classes of agricultural land	Number of holdings	Area (ha)
Total number of holdings	278 563	2 939 100
Under 1 ha	418	100
1 and under 2 ha	21 628	32 000
2 and under 3 ha	39 936	93 300
3 and under 5 ha	91 368	314 400
5 and under 10 ha	64 038	443 700
10 and under 20 ha	38 081	520 700
20 and under 30 ha	10 545	253 300
30 and under 50 ha	6 679	251 300
50 and under 100 ha	3 593	244 000
100 and under 200 ha	1 351	183 200
200 and under 300 ha	372	88 600
300 and under 400 ha	149	51 100
400 and under 500 ha	96	42 600
500 ha and over	309	420 800

NUMBER AND AGRICULTURAL AREA OF FARMS (1 ha AND MORE) BY SIZE OF AGRICULTURAL AREA OF HOLDING		
Size classes of agricultural land	Number of holdings	Area (ha)
Total number of holdings	278 563	2 542 200
Under 1 ha of agricultural land	522	100
1 and under 2 ha	33 945	51 900
2 and under 3 ha	67 918	176 700
3 and under 5 ha	69 070	252 900
5 and under 10 ha	58 980	412 200
10 and under 20 ha	30 054	411 400
20 and under 30 ha	7 821	188 700
30 and under 50 ha	5 133	194 000
50 and under 100 ha	3 041	207 700
100 and under 200 ha	1 224	167 200
200 and under 300 ha	342	81 900
300 and under 400 ha	134	46 300
400 and under 500 ha	89	39 500
500 ha and over	290	311 700

LEGAL STATUS		
	Number of holdings	Area (ha)
Total holdings 1 ha or more	610 543	3 029 700
Holdings operated by:		
Individuals or households	277 970	2 543 900
Agricultural companies and enterprises	593	395 200
of which:		
Government	80	104 000
Cooperatives	50	23 600
Household plots	331 980	90 600

LAND USE		
	Number of holdings	Area (ha)
Total land	610 543	3 029 700
Agricultural land	-	2 577 700
Utilized	-	2 530 400
Not utilized	-	47 300
Wood or forest land	-	324 100
All other land	-	127 900

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Cereals	196 794	852 969
Pulses	8 678	21 460
Industrial crops	6 749	106 811
Potatoes	239 723	75 154
Field vegetables	118 970	12 932
Fodder crops	-	226 701

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	208 322	883 972
of which: Dairy cows	192 259	445 424
Pigs	167 534	1 076 114
Sheep	4 649	30 747
Goats	20 421	43 238
Horses	54 333	65 030
Poultry	197 148	8 670 419
Rabbits	-	401 200
Beehives	-	83 800

LUXEMBOURG - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Luxembourg has been participating in the World Census of Agriculture Programme since 1950 Round. An agricultural census covering crops and livestock is undertaken annually on 15 May, following almost the same criteria and definitions since 1953. Luxembourg also participates in the Farm Structure Survey (FSS) of European Community. Data presented here refer to the 1999 census which served as the basis of 1999/2000 FSS.

Organization

As per Act 9 of July 1962 the "Service Central de la Statistique et des Études Économiques (STATEC)", of the Ministry of National Economy, is the responsible organization for collecting statistical information of general interest, including agricultural census in the country. While STATEC is concerned with preparation of survey at methodological, technical and organizational level, the 118 municipalities organize and manage the survey in the field.

Enumeration period

The census was conducted during the period 20 – 25 May 1999.

Reference date/period

For land use, crops area, livestock, and agricultural machinery and equipment: 15 May 1999.
For farm labour: 12 months preceding the census date.

Definition

- The regulatory framework for the survey requires following units to be covered by the census:
 - All holdings with 1 ha or more of cultivated area (i.e. arable land, meadows and pastures, kitchen gardens, fruit and berry plantations, vineyards, nurseries and osieries);
 - All owners of commercially operated units producing vegetables, fruit or flowers, and owners of nurseries or osieries, even if the cultivated area is less than 1 ha;
 - All owners of vineyards with a total area of at least 0.1 ha;
 - All owners of commercial livestock or poultry breeding establishments.
- The census did not cover holdings with less than 1 ha of cultivated area which:
 - Possess woodland and lohhecken (coppice woodland);
 - Keep riding horses;
 - Fatten pigs for their own requirements;
 - Grow vegetables, strawberries etc. for their own requirements.

Coverage

Geographically, the census covers the entire country. Statistically, all holdings falling within the scope of the census are covered.

Frame

A uniform register of holdings is not kept. Some municipalities with a larger number of holdings keep an address list containing only the addresses of the holdings surveyed the previous year.

Method

In the country, consisting of administrative districts, subdivided into cantons, broken down into communes, the census is taken by commune. The responsibility for preparing and conducting the census in the municipalities rests with the local council's board of aldermen (Schöffenkollégium) composed of the Major and at least two councillors. Each year the municipalities generally employ the same locally resident enumerators who are familiar with the number and location of the holdings to be surveyed. They are allocated in the same survey district as in the previous year. Complete enumeration of holdings is carried out. Information is collected through direct interview and questionnaires are completed directly by enumerators.

Data source

Farm Structure Survey 1999/2000, 2003 Edition, Agriculture and Fisheries Theme 5, European Commission, Eurostat.

Contact

STATEC, Luxembourg, P.O. Box (B.P.) 304, L-2013 Luxembourg. Tel.: (+352) 247 842 19, (+352) 247 843 76 (informations statistiques); Fax: (+352) 246 4289; E-Mail: info@statec.etat.lu.

Website

<http://www.statec.lu>

LUXEMBOURG - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	2 638	137 664

NUMBER AND AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	2 638	137 664
< 2 ha of agricultural area	324	486
2 - 5 ha	257	1 048
5 - 10 ha	234	1 926
10 - 20 ha	202	3 589
20 - 30 ha	139	3 873
30 - 50 ha	331	14 696
50 - 70 ha	381	24 842
70 - 100 ha	460	41 073
100 ha >	310	46 131

TENURE OF AGRICULTURAL LAND		
		Area (ha)
Agricultural area	-	127 942
Owned	-	58 060
Rented	-	68 658
Under other forms of ten.	-	1 225

HOLDERS BY SEX		
	Number of holders	
Total	2 563	-
Male	2 057	-
Female	506	-

MEMBERS OF HOLDER'S HOUSEHOLD		
	Number of persons	
Total	9 187	-
Male	4 935	-
Female	4 252	-

HOLDERS AND HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	5 289	-
Male	3 294	-
Female	1 995	-

HIRED PERMANENT WORKERS		
	Number of persons	
Total	607	-
Male	547	-
Female	60	-

LAND USE		
		Area (ha)
Total land	-	137 664
Agricultural land	-	127 942
Cropland	-	62 828
Arable land	-	61 434
Permanent crops	-	1 394
Permanent mead./past.	-	65 114
Wood or forest land	-	8 133
All other land	-	1 589

TEMPORARY CROPS		
		Area (ha)
Wheat	-	9 602
Rye	-	747
Spelt	-	223
Triticale	-	3 066
Barley	-	11 622
Oats	-	1 725
Maize	-	476
Other cereals	-	393
Dry peas	-	575
Dry broad beans	-	108
Potatoes	-	734
Sugarbeets	-	2
Rapeseed (colza)	-	3 084
Maize for forage	-	11 241
Flowers and ornamental plants	-	10

PERMANENT CROPS		
		Area (ha)
Grapes	-	1 268

LIVESTOCK		
		Head/units
Cattle, total	-	205 193
< 1 year	-	-
total	-	54 331
Male	-	18 237
Female	-	30 962
not specified	-	5 132
1 - 2 years	-	-
total	-	47 009
Male	-	16 706
Female	-	30 303
2 years >	-	-
total	-	103 853
Male	-	4 833
Female	-	99 020
Sheep	-	8 476
Goats	-	311
Pigs	-	78 540
Horses	-	3 126
Chickens	-	84 317
Other fowls	-	999
Rabbits	-	6 542
Beehives	-	488

MADAGASCAR - Agricultural Census 2004/05 - Explanatory Notes

Historical outline

The country participated in the 1960 round of World Census of Agriculture by undertaking an agricultural census in 1961/62. The following census of agriculture was carried out during 1984/85. Data here presented refer to the 2004/05 Agricultural Census.

Organization

The Census of Agriculture 2004/05 was organized by Ministry of Agriculture, Livestock and Fisheries. Financial support for the Census was provided by the World Bank and European Commission. The technical support was provided by FAO.

Enumeration period

The enumeration took place from October 2004 to mid January 2005.

Reference date/period

Agricultural year: July 2004 to June 2005.

Definition

- **Agricultural holding** An economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, regardless to title, legal form or size. It includes the owned land, leased land or the land which is utilized under any other type of agreement. The parcels of land leased out to others would not form a part of the holding. For purpose of agriculture census a broader definition of agriculture was used. The agricultural activities would cover growing of crops, rearing of livestock and **traditional fishing**. The single direction could be exercised by a private individual, by a household, jointly by two or several private individuals or households, by a clan or a tribe, a legal entity such as company, religious, cooperative institution or organization of State.
- **Rural Population** comprises all individuals who reside in rural area. A *fokontany* where the proportion of the population working in the agricultural activities (agriculture, breeding, and fishing) exceeded 50% was defined as **rural area**.
- **Agricultural household** is the one in which one or more active members of the household carry on one or more agricultural activities as primary or secondary occupation.
- **Farming population** comprises all the individuals belonging to the agricultural households.

Coverage

The Census of Agriculture 2004/05 covered the whole of the national territory. The census covered crop, livestock and traditional fishing sectors.

Method

The Census of Agriculture 2004/05 was a sample survey with two stages of sampling with an overall sampling rate of 2.1 percent. The rate was 30 percent at first stage and 7 percent at the second stage. The primary sampling units were *fokontany* and the secondary sampling units were the farms (holdings). The first and second stage sampling was carried out independently with probability proportional to size with a view to getting representative results at the district level. Objective measurement of areas of parcels was carried out using the compasses for measuring topographic slope and triple decametres. For estimation of outputs, sampling of harvest was carried out.

Data source

The compact disc entitled "Recensement Général de l'Agriculture 2004/05" published by the Government of Madagascar.

Contact

Ministère de l'Agriculture, de l'Élevage et de la Pêche, Directeur des Systèmes d'Information, BP301 Antananarivo, Madagascar. Tel: (+261) 20 223 5153.

Website

<http://www.rga2005mag.info>;
http://harvestchoice.org/maps-etc/Madagascar_2005_Vol%201.pdf

MADAGASCAR - Agricultural Census 2004/05 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	2 428 492	2 083 590

AREA OF HOLDINGS BY TENURE		
		Area (ha)
Total area by tenure	-	2 083 590
Area owned, total	-	1 799 559
With legal title	-	172 432
Without legal title	-	1 627 127
Rented from others, total	-	139 642
For a fixed amount of money	-	66 744
For a fixed amount of produce	-	72 898
Rent-free	-	144 389

HOLDERS BY SEX AND AGE		
	Number of holders	
Total number of holders	2 428 492	-
Male	2 057 334	-
15 to 19 years of age	17 353	-
20 to 24	115 506	-
25 to 34	545 080	-
35 to 44	569 965	-
45 to 54	435 201	-
55 to 64	205 583	-
65 year and over	168 646	-
Female	371 158	-
15 to 19 years of age	3 588	-
20 to 24	15 316	-
25 to 34	59 089	-
35 to 44	84 156	-
45 to 54	91 966	-
55 to 64	60 417	-
65 year and over	56 626	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD BY SEX		
	Number of persons	
Total	13 315 725	-
Male	6 415 319	-
Female	6 900 406	-

HOLDERS ENGAGEMENT IN AGRICULTURE		
	Number of holders	
Total	2 428 492	-
Engaged in agriculture:		
As principal activity	2 242 351	-
As secondary activity	137 095	-

TEMPORARY CROPS		
	Holdings reporting	Area cultivated (ha)
Rice total		1 250 091
Treated with fertilizers	-	190 318
Irrigated (by canals)	-	684 587
Drained (by canals)	-	679 818
Treated with high-yielding seed varieties	-	12 306
Maize	-	252 838
Wheat	-	444
Cassava (manioc)	-	388 779
Potatoes	-	36 830
Sweet potatoes	-	123 913
Saonjo	-	10 828
Beans	-	74 446
Other leguminous plants	-	79 516
Groundnuts	-	54 506
Cotton	-	9 266
Tobacco	-	3 265
Sunflower seed	-	37 231

PERMANENT CROPS		
	Holdings reporting	Area cultivated (ha)
Coffee	-	115 020
Cocoa	-	7 504
Vanilla	-	63 764
Black pepper	-	10 386

LIVESTOCK		
	Holdings reporting	Head/units
Cattle, total	1 188 332	9 687 342
Male	-	4 714 333
Under 1 year of age	-	588 091
1 to 2 years of age	-	919 566
2 years of age and over	-	3 206 676
Of which oxen for draught purpos.	-	2 319 115
Female	-	4 973 009
Under 1 year of age	-	787 768
1 to 2 years of age	-	1 088 739
2 years of age and over	-	3 096 502
Of which milk cows	-	882 841
Pigs, total	527 021	1 272 646
Male	-	598 969
Under 2 months of age	-	75 536
2 to 6 months of age	-	186 524
6 months to 1 year of age	-	191 737
1 year of age and over	-	145 172
Female	-	673 677
Sheep	84 766	703 343
Goats	216 953	1 249 227
Total poultry	1 889 085	29 442 039
Chickens	-	24 443 502
Ducks	-	3 823 105
Geese	-	616 727
Turkeys	-	558 705
Rabbits	-	540 564
Beehives	90 734	-

MACHINERY/EQUIPMENT/NON RESIDENTIAL BUILDINGS		
		Number of units
Machinery/Equipment		
Tractors	-	550
Power-tillers	-	698
Spades (Angady)	-	5 371 350
Shovels	-	1 760 097
Picks	-	148 845
Machete	-	2 888 636
Hoes	-	613 596
Axes	-	2 827 156
Harrows animal operated	-	418 576
Ploughs animal operated	-	592 008
Rakes	-	128 650
Carts	-	17 242
Dusters hand-operated	-	31 508
Grass-choppers	-	67
Wheel-barrows	-	76 602
Non-residential buildings		
Warehouses	-	13 477
Barns	-	475 037
Stables	-	222 072
Piggeries	-	175 750
Hen-roosts	-	232 071
Goat-folds	-	6 884

MALAYSIA - Agricultural Census 2005 - Explanatory Notes

Historical outline

An agricultural census was conducted in Malaysia (formerly called Federation of Malaya) in 1950. Subsequently, two other agricultural censuses were conducted in 1960 and 1977. Then the agriculture sector was investigated through the 2005 Agriculture Census, to which information presented here below refer.

Organization

The national office responsible for the 2005 Agricultural Census was the Department of Statistics, under the Department of Prime Minister. Other Offices involved in the organization and management of the agricultural census were the Ministry of Agriculture and Agro-Based Industry (MOA) and the Ministry of Plantations and Commodity Industry (MOPIC). Over 10 000 enumerators and 1 300 supervisors were involved in census operations.

Enumeration period

The Census day was fixed as at 1 March 2005. The period when bulk of data collection (enumeration) took place was from March to April 2005.

Reference date/period

Reference period for crops was from 1 March 2004 to 28 February 2005.

Definition

- **Agricultural holder:** An individual who is involved in agricultural activities (crops, livestock, fisheries) as his/her main occupation and aged 15 years old and above. Part-time operators and establishments were excluded.
- **Crop operator:** An individual, aged more than 15 years, involved in crop planting activities as main occupation.

Coverage

The census covered the entire country. Information collected refers only to Crop Operators. Therefore, information on employment in agriculture, total area of holdings, legal status, land use etc. was not collected during the census. Part-time Crop Operators, Estates and Establishments like Federal Land Development Authority (FELDA), Federal Land Consolidation and Rehabilitation Authority (FELCRA) or Rubber Industry Smallholders Development Authority (RISDA) were excluded from the Census.

Frame

The frame for the Agricultural Census 2005 was provided by the Population and Housing Census 2000.

Method

The Census was conducted by complete enumeration through personal (face-to-face) interview. Based on the Population and Housing Census 2000, a number of Enumeration Blocks (EBs), reporting households involved in agriculture as main occupation, were covered. Seven enumeration blocks were assigned to each enumerator.

Two different questionnaires were used:

- In "Document-1", the enumerators listed all living quarters within each enumeration block, in order to identify agricultural households;
- While "Document 1A-1E" was used to collect detailed information on agricultural activities.

Data source

Agriculture Census 2005, December 2006. Department of Statistics Malaysia.

Contact

Department of Statistics Malaysia, Agriculture and Agro-Based Statistics Division, Block C6, Complex C, Federal Government Administrative Centre, 62514 Putrajaya. Tel.: (+60) 3 888 892 27; Fax: (+60) 3 888 892 17; E-mail: jpbkpkp@stats.gov.my.

Website

<http://www.statistics.gov.my>

MALAYSIA - Agricultural Census 2005 - Main Results

NUMBER AND AREA OF HOLDINGS

	Number of holdings ⁽¹⁾	Area (ha)
Total	526 265	533 914

⁽¹⁾ Crop operators

HOLDERS AND MEMBERS OF THEIR HOUSEHOLDS BY SEX

	Number of persons
All persons	526 265
Male	418 380
Female	107 885

TENURE

	Number of holdings
Total	526 265
Owned	430 824
Rented	43 675
Other forms of tenure	47 950

TEMPORARY CROPS

	Holdings reporting	Cultivated Area (ha)
Cassava/Manioc	4 336	1 945
Chillies	3 620	1 398
Chines cabbages	512	238
Chinese Kale	400	146
Chinese mustard	1 634	624
Chinese turnip	126	91
Cucumbers	3 665	1 380
Eggplants	2 855	1 059
French Beans	1 168	443
Groundnuts	577	187
Leaf mustard	1 862	840
Long Beans	5 965	2 125
Maize	5 061	2 915
Paddy rice	154 538	204 522
Round cabbages	1 021	517
Spinach	2 293	804
Sweet potatoes	1 704	669
White mustard	1360	660
Yams	765	334

PERMANENT CROPS

	Holdings reporting	Area (ha)
Bananas	12 528	4 203
Black pepper	17 667	12 427
Cempedak	11 443	1 092
Cocoa	4 861	7 903
Coconut	11 050	20 496
Coffee	673	699
Dragon fruit	101	58
Durian	36 360	6 847
Ginger	907	514
Guava	881	836
Jackfruit	3 186	225
Langsat	16 161	1 232
Longan	992	184
Mangoes	6 671	1 699
Mangosteen	4 010	576
Oil palm	26 294	75 756
Papaya	975	315
Pineapples	3 340	3 091
Pomelo	904	210
Rambutan	26 379	2 756
Rubber	84 899	146 251
Sapodilla	521	103
Starfruit	598	200
Sugarcane	491	401
Sweet orange	4 199	1 603
Tangerine	635	238

PERMANENT CROPS

	Holdings reporting	Area (ha)
Tobacco	7 544	5 377
Water rose apple	1 053	348
Watermelon	1 152	1 160
Wax apple	173	119

MALI - Agricultural Census 2004/05 - Explanatory Notes

Historical outline

A number of agricultural surveys have been undertaken in Mali since 1960. In 1984, a Census of Agriculture was carried out. The most recent Census of Agriculture, to which data here presented refer, is the "Recensement General de l'Agriculture (RGA)" conducted in 2004/05.

Organization

The leadership of the RGA project was assigned to the "Cellule de Planification et de Statistique" of the Ministry of Agriculture. The RGA National Technical Committee consisted of members both from the Agricultural and Livestock Statistics Sub-Committee and from the National Committee for Statistical Co-ordination. The "Bureau Central du Recensement Agricole (BCRA)" included personnel from several Offices, like the "Direction Nationale de la Statistique et de l'Informatique", the "Direction Nationale de l'Appui au Monde Rural" and the "Office Malienne du Bétail et de la Viande". Government Offices at regional level were also involved in the RGA exercise. Over 500 Enumerators, 100 Supervisors, 21 Regional Supervisors, 6 at national level and 3 General Supervisors were involved in RGA field-operations. Technical and financial assistance were provided by the FAO of the UN, the World Bank (through the project PASAOP), the European Union, the United States Agency for International Development (USAID), the "Coopération Française" and from AFRISTAT, The Economic and Statistical Observatory of Sub-Saharan Africa.

Enumeration period

June, 2004 to March, 2005.

Reference date/period

Reference period is the Agricultural Season 2004/05. Livestock numbers refer to animals on the holding at the time of enumeration.

Definition

- **Parcelle** is a piece of land within the holding on which a specific crop or crop mixture is cultivated (crop plot).
- **Bloc** is a piece of land entirely surrounded by other land, water, roads, etc. not forming part of the holding (parcel).

Coverage

The RGA covered the entire country. Both traditional and modern agricultural holdings were covered.

Frame

The frame for the sample enumeration of holdings in the Traditional Sector was provided by the General Population and Housing Census 1998. The "Direction Nationale de la Statistique et de l'Informatique (DNSI)" prepared maps reporting the Enumeration Sections (ES). In addition, a list of Villages was also used, in order to localize the ESs. In addition, an updated List of Modern Sector Holdings was available.

Method

Complete enumeration of modern holdings. Sample of the traditional holdings using a two-stage sampling design: at the first stage, 2 000 Sections (Primary Sampling Units, PSU) were selected with probability proportional to size and number of holdings; at the second stage, five holdings from each Section were simple randomly sampled, for a total of 10 000 holdings (Secondary Sampling Units, SSU).

Data source

Recensement Général de l'Agriculture (RGA) Campagne Agricole 2004/05, Principaux Résultats Définitifs (Vol. 1), Rapport de Synthèse – Octobre 2007. République du Mali.

Contact

Direction Nationale de la Statistique et de l'Informatique (DNSI), B.P. 12 Rue Archinard, Porte 233, Bamako, Mali.
Tel.: (+223) 222 2455, (+223) 222 4873; Fax: (+223) 222 7145; E-mail:cnpe.mali@afribonemali.net.

Website

http://www.harvestchoice.org/maps-etc/Mali_2004-05.pdf

MALI - Agricultural Census 2004/05 - Main Results

NUMBER OF HOLDINGS	
	Number of holdings
Total	805 194

NUMBER OF HOLDINGS BY SIZE	
	Number of holdings
Total	805 194
without land	110 635
Under 1 ha	144 961
1 - 2 ha	108 998
2 - 3 ha	78 876
3 - 5 ha	110 760
5 - 10 ha	142 932
10 - 20 ha	79 065
20 ha and over	28 967

HOLDERS BY SEX	
	Number of holders
Total	805 194
Male	780 559
Female	24 636

FARM POPULATION BY SEX AND AGE		
	Male	Female
Total	4 570 569	4 341 891
Under 10 years	1 603 596	1 469 182
10 - 20 years	1 081 951	928 321
20 - 30 years	602 957	712 152
30 - 35 years	823 997	979 183
35 - 45 years	389 887	427 612
45 - 55 years	270 951	255 309
55 - 65 years	215 011	164 457
65 years and over	185 176	117 883

HOLDINGS BY NUMBER OF PERSONS	
	Number of holdings
Total holdings	805 194
Holdings with:	
1 to 4 persons	112 634
5 to 9 persons	336 650
10 to 19 persons	173 884
20 to 29 persons	68 464
30 persons and over	31 787

TEMPORARY CROPS		
	Holdings	Area (ha)
Millet	398 612	1 184 607
Groundnuts	241 751	20 264
Sorghum	307 305	577 020
Niebe	126 104	233 577
Maize	20 268	252 312
Rice	170 452	314 914
Fonio	-	25 303
Voandzou	52 850	16 268
Cotton	137 897	429 962
Soybeans	3 882	1 440

LIVESTOCK	
	Number of head
Cattle	6 811 473
Sheep	7 242 973
Goats	8 273 955
Pigs	84 600
Horses	73 304
Asses	1 114 475
Camels	641 491
Chickens	7 146 689
Ducks, Geese	161 269
Turkeys	31 826
Guinea fowls	1 596 444
Other fowls	81 240

MALTA - Agricultural Census 2001 - Explanatory Notes

Historical outline

Since 1955, the Government Statistician is responsible for the organization and administration of agricultural surveys and censuses. Accordingly, censuses were carried out by the Central Office of Statistics, now the National Statistics Office (NSO). Data here presented refer to the 2001 Census of Agriculture. Previous agricultural censuses were conducted in 1982/83, 1979, 1968/69, 1960, 1949/50.

Organization

The NSO organized the 2001 Census of Agriculture in collaboration with the Ministry of Agriculture. Ministry of Education collaborated with NSO by making available a number of classrooms in the Government primary schools in all the villages, for interviewing purposes.

Enumeration period

The census interviews were held during 22 October to 11 November, 2001.

Reference date/period

For land, animal numbers and machinery: 30 September 2001. For crop and livestock production: the agricultural year (1 October 2000 to 30 September 2001).

Definition

- **Agricultural holding:** A single unit which has a single management and which produces agricultural products. A holding may have agricultural land in different localities, but all information related to it is taken at the holder's residence. No thresholds were applied. The excluded were those having
 - Less than three fruit trees of the same species, and
 - Ten or less vines on the holding (as these represented less than 0.001 ha).
- **Garigue (*Moxa* or *Xaghri*):** Land which cannot be ploughed because of scarcity of soil and/or because of predominant rocky nature of soil.

Coverage

The 2001 Agricultural Census covered the Islands of Malta and Gozo.

Frame

A postal survey conducted in 1999, updated the Farmers Register. All available administrative registers (market sales lists, fruit tree purchases, Farmers' Registration Code (FRC) and records of commercial sales to agriculture-related industries) were used to refresh the register of agricultural holdings. As a result, a register of 12 127 agricultural holdings was used as the census frame.

Method

Complete enumeration of holdings was performed, so that all agricultural holdings in the register were observed. Data were collected "as per holder's declarations". The holdings were grouped into two categories:

- In the first category, holdings having less than 0.3 ha of agricultural 'dry land' and no means of irrigation were served with a Postal Questionnaire. (The nature of these holdings with no irrigation and consequently depending entirely on the rainy season is well known; such holdings normally grow fodder, potatoes and onions).
- The rest of the holders, having all other agricultural activities, were interviewed personally at the government primary schools. The closing date of the census was the 11 November 2001. Non-respondents were given the opportunity to fill in the questionnaire at the Agricultural Extension Services till the end of January 2002. (This improved the response rate by a further 3 percent to 95 percent).

Data source

Census of Agriculture 2001 Valletta, National Statistics Office (NSO), 2003 xxviii, 227p. ISBN 99909-81-973.

Contact

- National Statistics Office (NSO), Lascaris Valletta VLT 2000, Malta. Tel.: (+356) 212 232 21, (+356) 212 232 25; Fax: (+356) 212 498 41, (+356) 212 484 83; E-mail: nso@gov.mt.
- Agriculture and Fisheries Statistics Unit. Tel: (+356) 212 246 75, (+ 356) 219 975 29; E-mail: agric.nso@gov.mt

Website

<http://www.nso.gov.mt>

MALTA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	11 959	11 620

AGRICULTURAL LAND (UTILIZED AND UNUTILIZED) BY SIZE OF HOLDING		Area (ha)
Agricultural land, total		10 149
Under 0.5 ha		3 401
0.5 and under 1 ha		2 526
1 and under 2 ha		2 242
2 and under 5 ha		1 501
5 and under 10 ha		292
10 ha and over		187

UTILIZED AGRICULTURAL LAND BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Utilized agricultural land	11 959	9 657
without land	943	-
Under 0.5 ha	5 596	1 403
0.5 and under 1 ha	2 547	1 793
1 and under 2 ha	1 752	2 405
2 and under 5 ha	959	2 805
5 and under 10 ha	144	931
10 ha and over	18	320

TENURE OF AGRICULTURAL LAND		Area (ha)
Total agricultural land		10 149
Owned		1 984
Rented		8 165

LAND USE		Area (ha)
Total land		11 620
Agricultural land		10 149
Irrigated		1 509
Unirrigated		8 640
Utilized		9 657
Arable land		7 471
Permanent crops		917
Fallow land		1 269
Unutilized		492
All other land		1 471

EMPLOYMENT IN AGRICULTURE		Number of persons
Persons engaged full-time in agriculture		
Total		1 524
Male		1 405
Female		119
Persons engaged part-time in agriculture		
Total		12 589
Male		10 757
Female		1 832

PERMANENT CROPS		
	Holdings reporting	Area under crops (ha)
Grapes	-	482
Peaches	2 083	153
Oranges	824	46
Lemons	774	27

TEMPORARY CROPS		
	Holdings reporting	Area under crops (ha)
Wheat	5 087	3 572
Barley	1 067	426
Potatoes	7 384	1 154
Onions	4 839	324
Beans, dry edible	4 875	358
Cauliflowers	1 243	195
Marrows	2 052	224
Pumpkin	728	50
Tomatoes	2 932	352
Melons	-	327
Lettuce	573	86
Cabbages	924	87
Carrots	568	63
Garlic	2 764	87
Kohlrabi	783	45

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	281	18 417
Under 1 year		
Total		5 148
Male	-	2 447
Female	-	2 701
1 to 2 years		
Total		3 462
Male	-	1 276
Female	-	2 186
2 years and over		
Total		9 807
Male	-	189
Female	-	9 618
Sheep	-	10 376
Goats	-	3 930
Pigs	157	81 841
Horses	507	817
Asses	-	36
Rabbits	1 042	55 254
Chickens	847	1 940 445
Ducks	94	1 460
Turkeys	55	4 824

MACHINERY		Units
Tractors		1 996
Combines (Harvester-threshers)		28
Trucks		869
Vans		2 650
Motor-sprayers		4 892
Rotary hoes		964
Irrigation pumps		5 785
Machinery tractor-operated		
Forage harvesters		263
Balers		913
Manure spreaders		61
Potato lifters		130
Sprayers		835

MARTINIQUE - Agricultural Census 2000 - Explanatory Notes

Martinique is part of the French territory, and it is only for statistical purposes that it is recorded in the Data Bank at country level in the North and Central American Region. Consequently, results related to France bear only upon the territory of France in Europe (France Métropolitaine).

Historical outline

The 2000 Agricultural Census is the third conducted in Martinique; the first was carried out in 1980/81 and the second in 1988/89.

Organization

The census was organized by the Statistical Services of the French Ministry of Agriculture and Fisheries through the Departmental Services of Agriculture and Forestry, Regional Services of Agriculture and Forestry, and the Central Service of Statistical Surveys and Studies.

Enumeration period

The census was carried out between October 2000 and January 2001.

Definition

- **Exploitation Agricole:** (Agricultural holding) is an economic unit of agricultural production under single management, reaching minimum limits in terms of size or agricultural production, such as:
 - 1 ha of agricultural area in use (SAU), or
 - 20 acres (1 acre = 0.40469 ha) of specialized crops, or
 - A sufficient agricultural production, estimated either in productive area (e.g. 10 acres of bananas of export varieties, 10 acres of sugarcane etc.) or in number of animals (e.g. 10 cows, 10 bee-hives etc.).
- **Le Siège de l'exploitation:** (Holding's headquarters) is the place where the holding is located, consisting of holding's main buildings or, in defect, of its largest parcel.
- **Les Actifs Agricoles:** (Agricultural workers) consist of family workers and of paid permanent and temporary/seasonal workers.
- **Les Actifs Familiaux:** (Family workers) include the holding's head of household and household members having an agricultural activity on the holding.
- **Les Saliés Permanents:** (Permanent employees) perform regular work on the holding throughout the year, no matter what length.
- **UTA, Unité du travail annuel:** (Unit of annual work) is equivalent to the annual work of a person employed full time during a year.

Coverage

The census covered the entire country.

Frame

In a first stage, the list of holdings to be interviewed was built by the Statistical Service of the Ministry of Agriculture and Fisheries, based on already existing files. In a second stage, the list was validated in collaboration with the mayors of each municipality (commune) at the Municipal Commission.

Method

Complete enumeration of holdings was conducted through direct interview of heads of household.

Data source

Agreste n.1 Juillet 2001, France. Recensement Agricole 2000. Les Départements d'Outre-Mer (DOM) – Martinique, Premiers Résultats.

Contact

- Direction de la Agriculture et de la Forêt, Jardin Desclieux 97200 Fort de France. Tel.: (+33) 5 967 120 40; Fax : (+33) 5 967 120 39; E-mail: daf972@agriculture.gouv.fr.
- Ministère de l'Agriculture et de la Pêche. Centre de documentation et d'information agricole (CDIA). Tel.: (+33) 1 495 585 85; Fax: (+33) 1 495 585 03; E-mail: scees-cdia@agriculture.gouv.fr.

Website

<http://www.agreste.agriculture.gouv.fr>
<http://www.agriculture.gouv.fr>

MARTINIQUE - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	8 039	32 041

FARM POPULATION	
	Number of persons
Total	22 141

EMPLOYMENT IN AGRICULTURE	
	Number of workers
Holders and household members	11 825
Hired permanent workers	6 795

LAND USE	
	Area (ha)
Total land	32 041
Agricultural land	26 766
Cropland	18 303
Arable land	8 485
Under Temporary crops	7 091
Temporarily fallow	1 394
Permanent crops	9 818
Permanent mead./past.	8 463
All other agricultural land	5 275

TEMPORARY CROPS	
	Area (ha)
Sugarcane	3 293
Flowers	187

PERMANENT CROPS	
	Area (ha)
Bananas	9 308
Pineapples	510

LIVESTOCK	
	Head/units
Cattle	28 342
Pigs	20 614
Sheep	15 925
Goats	11 391
Chickens	350 000
Horses	719
Rabbits (Females)	2 050
Beehives	2 202

MONGOLIA - Livestock Census 2000 - Explanatory Notes

Historical outline

Since 1924, an annual census of livestock has been undertaken in Mongolia. Information on crops and other agricultural data, not covered by the livestock census, were produced from administrative records based on reporting system. Data here presented refer to the annual livestock census undertaken in 2000.

Organization

The 2000 Livestock Census was organized and conducted by National Statistical Office (NSO) with the collaboration of the Ministry of Agriculture (MoFA) that provided field personnel for the collection of data. Data are collected at bag (Municipality) level and it involved 41 941 enumerators (which means 25 enumerators per bag on an average). Data so gathered are summarized at soum (district) level and further at aimag (province level).

Enumeration period

Data were collected from 7 – 17 December, 2000.

Reference date/period

Day of enumeration

Definition

Livestock holding is any household or enterprise with livestock for agricultural production. No threshold is applied.

Coverage

The census covered the whole country.

Frame

Bags are compact pieces of land with precisely defined boundaries. They constitute the frame to be canvassed.

Method

Complete enumeration of bags by means of personal interviews with a single questionnaire which applied both to households and enterprises engaged in agriculture was carried out..

Data source

Mongolia Livestock Census 2000. FAO-Rome 2009.

Contact

National Statistical Office of Mongolia, Government Building III, Baga toiruu 44, Ulanbaatar 11, Mongolia. Tel.: (+976) 11 321 433, (+976) 11 261 433; Fax: (+976) 11 324 518, (+976) 11 329 125;
E-mail:nso@magicnet.mn.

Website

<http://www.nso.mn>.

MONGOLIA - Livestock Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	250 000	-

LIVESTOCK	
	Number of head
Cattle	3 097 600
Pigs	14 700
Sheep	13 876 400
Goats	10 269 800
Horses	2 660 700
Chickens	89 100
Turkeys	890

MOROCCO - Agricultural Census 1996 - Explanatory Notes

Historical outline

The previous Agricultural Census in Morocco was conducted in 1974. The last Agricultural Census, to which data presented here refer, was conducted in 1996.

Organization

The responsible office for the Agricultural Census was the "Ministère de l'Agriculture, du Développement Rural et des Pêches Maritimes". About 850 persons were involved in the field work: 739 enumerators and 117 supervisors.

Enumeration period

The field work started on 29 October 1996 and continued for six months.

Reference date/period

The Census Day was 29 October 1996. Data on inventory items (livestock, etc.) refer to the day of interview. Other data refer to the agricultural year from 1 September 1995 to 31 August 1996.

Definition

Agricultural holding was defined as an economic unit of agricultural production under single management, comprising all livestock kept and all land used for agricultural production purposes, regardless to title or legal form.

Coverage

The agricultural census covered the entire country viz. 1 297 rural communes and 197 urban communes.

Method

A combination of complete enumeration and sampling was applied. A short questionnaire was used for all holdings and a long questionnaire was applied on a representative sample of different types of holdings.

Data source

Recensement Général de l'Agriculture, Résultats Préliminaires, Septembre 1998. Ministère de l'Agriculture, du Développement Rural et des Pêches Maritimes. Royaume du Maroc.

Contact

Direction de la Programmation et des Affaires Economiques, Avenue Hassan II, km 4, Rabat, Maroc.
Tel.: (+212) 769 0200, (+212) 769 0215, (+212) 769 0216; Fax: (+212) 769 8401.

Website

<http://www.madrpm.gov.ma>

MOROCCO - Agricultural Census 1996 - Main Results

NUMBER AND AGRICULTURAL AREA OF HOLDINGS

	Number of holdings	Agricultural Area (ha)
Total	1 496 349	8 732 223

NUMBER AND AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA OF HOLDINGS

	Number of holdings	Agricultural Area (ha)
Total	1 496 349	8 732 223
Holdings without land	64 716	-
Under 1 ha	315 323	170 361
1 and under 3 ha	446 710	904 728
3 and under 5 ha	237 669	1 011 088
5 and under 10 ha	247 766	1 894 722
10 and under 20 ha	125 169	1 880 472
20 and under 50 ha	47 985	1 526 298
50 and under 100 ha	7 829	585 157
100 ha and over	3 182	759 397

FRAGMENTATION

	Number of fields	
Fields, total	9 528 685	-

LEGAL STATUS

		Area (ha)
Total	-	8 732 223
Civil person	-	6 618 130
Government	-	270 153
Other	-	1 843 940

TENURE OF LAND

		Area (ha)
Total	-	8 732 223
Owned	-	7 677 383
Rented	-	410 026
Other forms of tenure	-	644 814

HOLDERS AND HOUSEHOLD MEMBERS BY SEX

	Number of persons	
Total	1 492 844	-
Male	1 426 449	-
Female	66 395	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLDS ENGAGED MAINLY IN AGRICULTURE

	Number of persons	
Total	3 452 194	-

HIRED PERMANENT WORKERS

	Number of workers	
Total	136 593	-

LIVESTOCK

	Holdings reporting	Number of head
Cattle	768 960	2 383 113
Sheep	781 563	16 726 674
Goats	301 897	5 703 509
Horses	-	139 845
Mules	-	516 357
Asses	-	1 026 303
Camels	19 088	149 406

MOZAMBIQUE - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Agricultural censuses were conducted in Mozambique in 1951 and 1961. A series of agricultural sample surveys were taken since 1993. The last Census of Agriculture, to which data here presented refer, was conducted in 1999/2000.

Organization

The census was conducted by the National Institute of Statistics (INE) in collaboration with the Ministry of Agriculture and Rural Development (MADER). Offices at central, provincial, district and local level were involved in census operations. Technical and financial assistance was provided by FAO, the Italian Cooperation, the United Nations Development Program (UNDP) and the World Bank.

Enumeration period

Data were collected during the period September 2000 to March 2001.

Reference date/period

Data on land refer to the agricultural year 2000/2001. Data on livestock refer to the calendar year 1 January to 31 December 2000.

Definition

Farms were classified as **small, medium or large**, on the basis of cultivated area and livestock population. The criteria used for categorization is summarized in table below.

Factors		Small farms	Medium farms	Large farms
1. Cultivated area	without irrigated land, fruit trees or plantation	< 10 ha	10 – 50 ha	≥ 50 ha
	with irrigated land, fruit trees or plantation	< 5 ha	5 – 10 ha	≥ 10 ha
2. Number of head of cattle		< 10 head	10 – 50 head	≥ 50 head
3. Number of head of sheep, goats and pigs		< 50 head	50 – 500 head	≥ 500 head
4. Number of fowls		< 5 000 head	5 000 – 20 000 head	≥ 20 000 head

Coverage

The census covered both Rural and Urban Areas of the country, with the exclusion of the cities of Maputo, Matola, Beira and Nampula that were investigated separately. The census did not cover some districts in the Province of Zambézia, due to adverse natural events, like flooding.

Frame

For the frame of small farms, lists prepared for the 1997 General Census of Population and Dwellings were utilized. For medium size the frame was based on lists available in the administrative subdivisions, adapted and actualized for the specific purposes of the Agricultural Census.

Method

A Pilot Census was conducted in the Districts of Chókwê, Manjakaze and Chicualacuala, located in the Province of Gaza. For the main census, in each district 8 to 40 Primary Sampling Units (i.e.: rural villages, wards, zones, town quarters, etc.) were selected, depending upon the number of inhabitants. In each UPA, 8 households, for the category of small farms, were then randomly selected for the interview. Out of these eight, two were in turn selected for objective measurements on their parcels (machambas), whether cultivated or temporarily fallow. All medium size farms in the UPAs were investigated. Complete enumeration of large farms was also carried out.

Data source

Censo Agro-Pecuário 1999/2000 Apresentação Sumária dos Resultados, Maputo, 28 Agosto de 2001. Instituto Nacional de Estatística em parceria com o Ministério da Agricultura e Desenvolvimento Rural, Mozambique.

Contact

Instituto Nacional de Estatística em parceria o Ministério da Agricultura e Desenvolvimento Rural, Av. Ahmed Sekou Touré, n. 21, P.O. Box 493 Maputo. Tel./Fax: (+258) 1 492 512; E-Mail: info@ine.gov.mz.

Website

http://harvestchoice.org/maps-etc/Mozambique_1999-00.pdf, <http://www.ine.gov.mz>

MOZAMBIQUE - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Cultivated Area (ha)
Total holdings	3 064 715	3 925 324
Small holdings	3 054 106	3 736 620
Medium holdings	10 180	67 727
Large holdings	429	120 977

HOLDINGS BY SIZE OF CULTIVATED AREA		
	Number of holdings	
Total	3 064 715	-
< 0.1 ha of cultivated area	38 358	-
0.1 - 0.2 ha	109 733	-
0.2 - 0.5 ha	553 421	-
0.5 - 1 ha	932 474	-
1 - 2 ha	922 603	-
2 - 3 ha	272 033	-
3 - 4 ha	108 512	-
4 - 5 ha	46 120	-
5 - 10 ha	49 941	-
10-20 ha	3 939	-
20 - 50 ha	488	-
50 - 100 ha	69	-
100 - 200 ha	37	-
200 - 500 ha	21	-
500 - 1000 ha	11	-
1000 ha >	22	-
not specified	26 933	-

HOLDERS BY SEX (SMALL & MEDIUM HOLDINGS)		
	Number of persons	
Total	3 064 195	-
Male	2 355 842	-
Female	708 353	-

HOLDER'S HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING (SMALL & MEDIUM HOLDINGS)		
	Number of persons	
Total	9 650 000	-

TEMPORARY CROPS (PURE STAND)		
	Holdings reporting	Area (ha)
Cabbage	52 592	5 061
Carrot	2 569	185
Cotton	186 227	131 284
Cucumber	199 512	24 410
Eggplant	51 904	-
Garlic	13 456	1 135
Ginger	1 625	223
Lettuce	23 594	2 528
Onion	45 870	5 086
Peas	10 626	1 189
Pimento	7 350	1 750
Pumpkin	610 558	87 140
Sesameseed	77 652	14 969
Sisal	1	20
Soybeans	8 102	1 320
Sugarcane	70 777	35 294
Sunflower	22 952	7 555
Tea	106	43
Tobacco	57 576	26 635
Tomatoes	85 860	10 368
Watermelons	113 095	14 929
Yams	18 523	2 074

PERMANENT CROPS		
	Number of holdings	Number of trees
Acajú (anacardium)	1 274 143	53 863 269
Apples	4 148	13 012
Avocados	193 083	798 466
Bananas	924 788	-
Grapefruit	16 879	96 359
Grapes	4 200	-
Guavas	218 864	781 065
Lemons/Limes	436 380	1 314 482
Litchees	6 699	54 354
Mangoes	1 508 480	11 068 373
Oranges	601 937	4 454 536
Papaya	1 113 038	7 447 816
Peaches	48 787	184 392
Pineapple	222 156	-
Tangerines	262 569	3 772 812

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	133 447	722 199
Sheep	35 142	174 096
Goats	851 771	5 046 637
Pigs	602 404	2 397 493
Asses	10 448	21 083
Chickens	2 139 255	23 587 438
Geese	1 681	9 437
Ducks	666 658	4 131 711
Turkeys	22 924	130 630
Rabbits	88 391	539 823

MYANMAR - Agricultural Census 2003 - Explanatory Notes

Historical outline

The Union of Myanmar participated in the World Census of Agriculture in 1953/54 (under the former country-name of "The Union of Burma"), but the coverage of that census was limited to 2000 village tracts in the neighbourhood of 252 towns. A Sample Census of Agriculture was conducted in 1993. The last Census of Agriculture was conducted in Myanmar in 2003.

Organization

A National Census Steering Committee (NCSC) was created in order to oversee the preparatory activities and decide on key issues. The Committee was chaired by the Director General of the Settlement and Land Records Department (SLRD) of the Ministry of Agriculture and Irrigation (MOAI) and composed of high ranking officials of the Government, by officers from different Departments and Agencies having a stake in the census results. A Technical Census Committee (TCC) was then created by the NCSC, while additional technical assistance was provided by FAO.

Enumeration period

Census enumeration started on 1 October and was completed on 15 November 2003.

Reference date/period

Data refer either to the agricultural season 2002/03 or to the enumeration period, depending on the type of census items.

Definition

In accordance with the definition of the WCA 2000 Programme, an agricultural holding is an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, regardless to title, legal form or size. In the MAC 2003 the management of an agricultural holding is defined as the activity of raising crops on at least 0.10 acres of land, i.e. about 400 square meters (m²), or raising at least 4 head of small livestock or 2 head of large livestock or a combination of the two, or at least 30 head of chickens or ducks, regardless of the area of land.

Coverage

Geographically, the census covered the entire country. At the time of the census the country was administratively subdivided into 9 States and 8 Divisions with 63 districts, 324 townships, about 12 900 village tracts and 58 000 villages. Highly urbanized areas were excluded from the census.

Frame

From 16 March to 15 August 2003 a complete listing of holdings in all townships of the country was prepared by the SLRD field personnel. A list of aquaculture and commercial livestock and poultry holdings, included in the 2003 Census but that might have not been covered during the households listing operations, was provided by the Department of Livestock and Veterinary, in collaboration with the Department of Fisheries.

Method

Complete enumeration of all holdings was carried out. Four questionnaires were used to collect census information: Agricultural Holdings questionnaire; Commercial Livestock and Poultry questionnaire; Household Fishing questionnaire; Aquaculture questionnaire. A pilot census was conducted in December 2002. An Advance Report was published based on a 20 percent sample of all census questionnaires.

Data source

Settlement and Land Records Department, Advance Report on Myanmar Census of Agriculture 2003, Yangon. The Government of the Union of Myanmar, Ministry of Agriculture and Irrigation.

Contact

Ministry of Agriculture and Irrigation, SLRD, Thirimingala Lane, Off kaba Aye Pagoda Road, Yangon Myanmar, Central Statistical Organization, Six-storeyed Bldg., Cannar Rd, Yangon, Myanmar.
Tel.: (+95) 1 246 637; Fax: (+95) 1 125 0351; E-mail: cso.stat@mptmail.net.mm.

Website

<http://www.myanmar.gov.mm/ministry/agri/statistics.htm>

MYANMAR - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	3 464 769	8 721 115

NUMBER AND AREA OF HOLDINGS BY SIZE OF TOTAL AREA OF HOLDINGS		
Size classes	Number of holdings	Area (ha)
Total number of holdings	3 464 769	8 721 115
Holdings with land	3 453 850	8 721 115
Holdings without land	10 919	-
Less than 0.4 ha	513 221	62 767
0.4 and under 1.2 ha	799 292	601 695
1.2 and under 2.0 ha	648 637	995 200
2.0 and under 4.0 ha	819 160	2 292 655
4.0 and under 8.1 ha	509 875	2 780 771
8.1 and under 20.2 ha	157 188	1 775 512
20.2 ha and over	6 477	212 515

FRAGMENTATION OF HOLDINGS		
	Number of holdings	
Total holdings with parcels	3 453 850	-
Holdings with 1 parcel	653 150	-
2 to 3 parcels	2 611 172	-
4 to 5 parcels	166 256	-
6 to 9 parcels	23 094	-
10 parcels and over	178	-

LEGAL STATUS (*)		
	Number of holdings	
Total number of holdings	3 453 850	-
Holdings operated by:		
One household	3 443 985	-
More than one household	9 865	-

HOLDERS BY SEX AND AGE		
	Number of holders	
Total	3 464 769	-
Male	2 945 101	-
Under 25 years of age	68 915	-
25 to 34	501 551	-
35 to 44	907 091	-
45 to 54	822 272	-
55 to 64 and over	645 272	-
Female	519 668	-
Under 25 years of age	19 020	-
25 to 34	68 960	-
35 to 44	115 938	-
45 to 54	147 014	-
55 to 64 and over	168 736	-

EMPLOYMENT		
Hired labour	Number of holdings	
Total number of holdings	3 464 769	-
Of which: with hired workers	2 251 892	-

LAND USE		
	Number of holdings	Area (ha)
Total land	3 453 850	8 721 115
Cropland		8 518 656
Arable land	3 034 218	8 029 644
Land under temporary crops	2 978 104	7 965 232
Land temporarily fallow	77 655	64 412
Permanent crops	689 411	489 012
All other land	3 130 933	202 459
Total area irrigated	-	1 460 415

IRRIGATION FACILITIES		
Holdings irrigated by:	Holdings reporting	Area irrigated (ha)
Private wells	113 636	79 800
River/Creek	301 747	575 447
Private dam/canal	83 667	138 510
Government dam/canal	263 035	666 658

TEMPORARY CROPS (ALL CROPPING SEASONS)		
		Area sown (ha)
Rice	-	5 513 597
Sesame	-	1 432 411
Blackgram	-	674 126
Greengram	-	533 441
Groundnuts	-	472 870
Pigeon peas	-	384 006
Maize (for seed)	-	185 126
Chick peas	-	184 403
Sunflower	-	146 296
Sugarcane	-	108 934

PERMANENT CROPS		
		Area in compact plantation (ha)
Cashew nuts	-	80 183
Rubber	-	75 691
Tea	-	40 646
Betel nut	-	39 831
Coconuts	-	32 900
Bananas	-	26 398
Mangoes	-	20 771
Dhani	-	18 581
Danyin	-	9 029
Oranges	-	8 273

LIVESTOCK		
		Number of head
Large Livestock (Cattle and Buffaloes both draught and dairy, Horses, Mules, Asses)	-	7 513 305
Small Livestock (Sheep, Goats, Pigs)	-	2 383 520
Poultry (Chickens, Ducks, Quails, Peak-geese)	-	25 687 023

FISHING ACTIVITIES ON FARM		
	Holdings reporting	
Fishing activities	97 667	-

AQUACULTURE ACTIVITIES ON FARM		
	Holdings reporting	
Aquaculture activities	4 917	-

MACHINERY		
Holdings reporting use of:	Number of holdings	Number of units
Intercultivators, total	397 643	487 866
Owned by the holder	-	404 449
Owned by Government	-	3 958
Owned by others	-	79 459
Sprayers	890 184	-
Tractors	137 267	155 831
Owned by the holder	-	36 747
Owned by Government	-	12 690
Owned by others	-	106 394
Harvesters	22 490	-
Threshers/Straw cutters	268 825	-
Water pumps	330 657	356 333
Owned by the holder	-	201 434
Owned by Government	-	4 213
Owned by others	-	150 686
Hullers	1 606 613	1 737 040
Owned by the holder	-	76 429
Owned by Government	-	5 262
Owned by others	-	1 655 349

FERTILIZERS / PESTICIDES		
	Holdings reporting use	
Organic Fertilizers	1 848 773	-
Inorganic Fertilizers	1 635 800	-
Pesticides	883 341	-
Weeding of field crops	464 658	-

NAMIBIA - Annual Agricultural Survey 1996/97 - Explanatory Notes

Historical outline

The 1996/97 Annual Agricultural Survey is the first in the series of annual surveys based on the 1994/95 Agricultural Census, the first agricultural census of independent Namibia.

Organization

The Central Statistical Bureau of the National Planning Commission and the Department of Planning of the Ministry of Agriculture, Water and Rural Development, were responsible for the Survey. Technical assistance was provided by the British Department for International Development (DFID), formerly Overseas Development Administration (ODA), under the executing agency of Food and Agriculture International Limited (FAI). The 1996/97 Annual Agricultural Survey has been entirely supported by the Namibian Government, under a capital budget arrangement. All staff concerned with data collection, both supervisors and enumerators, were trained intensively in the survey procedures. The field operations were under the overall control of the Survey/Field section of the CBS. Teams of four enumerators and one supervisor were formed to accomplish the data collection.

Enumeration period

Data were collected during the agricultural year 1996/97.

Reference date/period

Basic data on area planted, yield and production of pearl millet (mahangu), sorghum, maize and some data on livestock, were collected during the 1996/97 agricultural year.

Definition

- **Agricultural holding:** is an economic unit of agricultural production under a single management comprising all livestock kept and all arable land used wholly or partly for agricultural production purposes, without regard to title, legal form, or size. Single management may be exercised by an individual or a household, jointly by two or more individuals or households, by a clan or tribe, or by a juridical person such as corporation, cooperative or government agency. The holding may consist of one or more parcels of land and livestock, located in one or more separate areas or in one or more territorial or administrative division, provided that the parcels share the same production means utilized by the holding such as labour, farm buildings, and machinery or draught animals. All holdings which planted any one of the specified cereal crops viz. pearl millet (mahangu), sorghum or maize, were covered.
- **Communal agriculture** refers to agricultural activities on farms operated by family units on communal lands i.e. land belonging to the community and to which they have user rights but no title.

Coverage

The survey covered six regions of the country (out of thirteen) making up the Northern Communal Areas of Namibia, namely: Oshana, Oshana, Oshana, Oshikoto, Kavango and Caprivi.

Frame

The Master Sample Frame of the Central Bureau of Statistics (CBS), developed on the occasion of the 1995 Census of Agriculture, was used.

Method

Two-stage sampling method was applied. A sample of Primary Sampling Units (PSUs) was selected at the first stage from the Master Sample Frame of the CBS. At the second stage, a sample of agricultural holdings was then selected within each of the sampled PSU. The sample size for the six regions was of 118 PSUs and 1 423 holdings.

Data source

Annual Agricultural Survey 1996/97, Basic Analysis of Communal Agriculture January 1998. Republic of Namibia.

Contact

Central Statistics Bureau (CBS), National Planning Commission, Private Bag 13356, Windhoek, Namibia;
Tel.: (+264) 61 283 4056; Fax: (+264) 61 237 620; E-mail: info@npc.gov.na.

Website

<http://www.npc.gov.na>

NAMIBIA - Annual Agricultural Survey 1996/97 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Cultivated area (ha)
Total	102 357	295 632

HOLDINGS BY SIZE OF CULTIVATED AREA		
	Number of holdings	Cultivated area (ha)
Total	102 357	295 632
< 0.1 ha of cultivated area	860	16
0.1 - 0.2 ha	1 127	162
0.2 - 0.5 ha	3 595	1 274
0.5 - 1 ha	9 160	7 025
1 - 2 ha	25 115	38 199
2 - 3 ha	24 053	59 427
3 - 4 ha	15 820	54 998
4 - 5 ha	10 139	45 440
5 - 10 ha	11 493	72 595
10-20 ha	861	11 901
20 - 50 ha	119	3 215
50 ha >	15	1 380

FRAGMENTATION (FIELDS)		
	Number of fields	
Total	108 004	-

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	852 207	-

HOLDER'S HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	603 561	-

TEMPORARY CROPS		
		Area (ha)
Pearl millet (mahangu)	-	40 599
Sorghum	-	2 206
Maize	-	40 599
Pearl millet (mahangu) & Sorghum		185 409

LIVESTOCK		
	Holdings reporting	Number of head
Cattle		
total	-	707 246
Male	-	212 640
Female	-	433 683
not stated	-	60 923
Sheep	-	39 211
Goats	-	1 020 311
Pigs	-	57 687
Horses	-	2 039
Mules/Asses	-	85 189
Poultry	-	783 085

NEPAL - Agricultural Census 2002 - Explanatory Notes

Historical outline

Five Decennial Censuses of Agriculture were conducted in Nepal: the first in 1962, then in 1972, 1982, 1992 and the most recent, to which data here refer, in 2002.

Organization

The 2001/02 National Sample Census of Agriculture (NCA) was organized and conducted under the responsibility of the Central Bureau of Statistics (CBS), of the National Planning Commission Secretariat of His Majesty's Government. An Agricultural Census Technical Committee, chaired by the Director General of the CBS was formed, to advise on the various technical aspects of the census. Asian Development Bank (ADB) supported the census.

Enumeration period

The field work was undertaken in two phases, the first from January to June 2002 in 46 Districts, while the remaining 29 Districts were enumerated during the period April to June 2002.

Reference date/period

Data on crop cultivation and other holding characteristics, except livestock, refer to the calendar year 2001. Data on livestock inventory refer to the time of enumeration.

Definition

The main statistical unit of the agricultural census is the agricultural holding, which is defined as an economic unit of agricultural production reporting at least one of the following: (1) An area under crops of 0.012 ha in hill/mountain districts, and of 0.014 ha in lowland districts; (2) 2 cattle or buffaloes; (3) 5 sheep or goats; (3) 20 poultry; or (4) A combination of livestock equivalent to 2 cattle/buffaloes.

Coverage

Geographically, the census covered the whole country including urban areas. Statistically, only agricultural holdings operated by households were considered: agricultural activities undertaken by government organizations, corporations and other juridical persons were not covered by NCA.

Frame

Some 5 100 Enumeration Areas (EAs), including at least 30 holdings, were firstly selected. Lists of all agricultural holdings in each EA, used as the basis for the selection of the Probability Proportional to Size (PPS) sample, were obtained from the 2001 Population Census. The holdings were identified on the basis of the place of residence of the holder.

Method

The census methodology was a combination of complete enumeration and sampling. Consequently, the census was implemented in two phases. *In the first phase*, the complete enumeration of all holdings, their area and the number of livestock and poultry raised by all households in the country was performed, as an additional activity in the listing operation of the 2001 Population Census. Some questions on agricultural activities were asked to identify the agricultural holdings. *In the second phase*, the basic sampling methodology used was a two-stage sampling, applied as follows:

- **First stage:** a stratified sample of EAs with probability proportional to the expected number of holdings (stratified PPS), was selected. To select the sample of EAs, the districts were divided into four groups according to the importance of their agricultural production.
- **Second stage:** within the selected EAs, a sample of 20 to 30 agricultural holdings was drawn using a stratified (on the basis of size) systematic random sampling.

The final sample at country level was of about 123 000 holdings (3.7 percent of the total). The District of Manang was completely enumerated because of its small number of holdings.

Data source

National Sample Census of Agriculture 2001/02 Kathmandu, Nepal 2003. Government of Nepal, National Planning Commission Secretariat (NPC), Central Bureau of Statistics (CBS).

Contact

Government of Nepal, National Planning Commission Secretariat, Central Bureau of Statistics, Thapathali, Kathmandu, Nepal. Tel.: (+977) 1 424 5947, (+977) 1 422 9406; Fax: (+977) 1 422 7720; E-mail: env@stat.wlink.com.np, info@cbs.goc.np.

Website

<http://www.cbs.gov.np>

NEPAL - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	3 364 139	2 654 037

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	3 364 139	2 654 037
Without land	26 700	118
Under 0.1	260 547	13 242
0.1 and under 0.2 ha	346 113	49 864
0.2 and under 0.5 ha	972 258	327 061
0.5 and under 1 ha	915 674	641 659
1 and under 2 ha	588 649	791 965
2 and under 3 ha	157 026	371 223
3 and under 4 ha	51 573	175 690
4 and under 5 ha	20 241	89 258
5 and under 10 ha	21 575	139 750
10 ha and over	3 783	54 207

FRAGMENTATION		
	Number of holdings	Number of parcels
Total	3 364 139	10 987 412
Holdings consisting of:		
1 parcels	717 984	-
2- 3 parcels	1 546 050	-
4- 5 parcels	645 315	-
6- 9 parcels	339 031	-
10 parcels and over	101 789	-

LEGAL STATUS		
	Number of holdings	
Total number of holdings	3 364 139	-
Holdings operated by:		
An individual or a household	3 268 845	-
Two or more individuals/households	93 892	-
Others	1 402	-

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	3 364 139	2 654 009
Under one form of tenure	2 952 275	2 241 199
Owned	2 907 426	2 212 864
Rented from others	35 844	26 307
for fixed amount of money	3 377	1 561
for fixed quantity of produce	7 581	4 124
for a share of produce	18 350	17 503
in exchange for services	2 424	517
other rental arrangements	4 112	2 602
Other single forms of tenure	9 005	2 028
More than one form of ten.	411 864	412 810

HOLDERS BY SEX		
	Number of holders	
Total	3 364 139	-
Male	3 092 632	-
Female	271 507	-

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	19 811 649	-
Male	10 267 646	-
Female	9 544 003	-

PERMANENT WORKERS		
	Number of workers	
Total	178 981	-
Male	138 745	-
Female	40 236	-

LAND USE		
	Number of holdings	Area (ha)
All land	3 364 139	2 654 050
Agricultural land	-	2 494 212
Cropland	-	2 474 462
Arable land	3 309 823	2 356 981
Temporary crops	3 307 391	2 326 124
Temporary meadows	60 285	10 720
Temporarily fallow	120 880	18 384
All other arable land	17 401	1 754
Permanent crops	618 095	117 481
Permanent mead./pastures	79 038	19 750
Wood or forest land	204 834	37 221
All other land	-	122 617

MAIN TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Paddy	-	1 544 604
Wheat	1 935 109	793 509
Maize, total	1 953 351	769 421
Millet	1 059 995	250 495
Barley/Naked barley	250 992	39 311
Buckwheat	250 992	39 310
Soybeans	257 218	17 765
Chick peas (grams)	81 111	11 539
Black/red/green grams	292 753	35 462
Horse beans	82 008	10 592
Grass peas	95 105	25 523
Lentils	756 094	236 783
Peas	177 806	18 149
Cow peas	171 095	10 594
Winter potatoes	649 158	48 794
Summer potatoes	231 721	35 062
Mustard seed	851 605	148 969
Linseed	202 971	54 513
Sugarcane	85 142	51 923
Ginger	103 717	10 198

PERMANENT CROPS		
	Holdings reporting	Area in compact plantation
Oranges	265 870	3 200
Lemons	191 890	623
Limes	130 961	292
Sweet oranges	36 991	228
Mangoes	565 678	18 478
Bananas	467 383	3 140
Guavas	229 423	484
Jackfruit	136 047	676
Pineapple	26 390	229
Lychee	79 415	779
Apples	35 010	1 380

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	2 297 356	7 215 162
Buffaloes	1 586 755	3 477 727
Sheep	67 694	471 159
Goats	1 686 362	6 932 943
Pigs	327 804	632 551
Chickens	1 594 366	17 631 318
Ducks	110 120	393 092
Pigeons	202 098	1 845 234

MACHINERY AND EQUIPMENT		
	Holdings reporting use	
Tractors	272 871	-
Threshers	249 450	-
Power tillers	15 609	-

NETHERLANDS - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

From 1934 agricultural censuses have been carried out in the Netherlands every year to cater to administrative needs, to build frame for surveys and to obtain statistical data.

Organization

The census was carried out on the basis of an order issued by Ministry of Agriculture under an Agriculture Act. The census was carried out jointly by Statistics Netherlands and Ministry of Agriculture. Statistics Netherlands provided the technical input by way census planning and questionnaire design, and the Ministry of Agriculture carried out the field work through its executive agency called LASER which has offices in 5 administrative regions of the country.

Enumeration period

From 1 – 5 April 1999 with a follow-up period for non-response.

Reference date/period

The reference date was the census day: 1 April 1999.

Definition

- **Standard Gross Margin (SGM):** The SGM determines the techno-economic orientation and techno-economic size of the holding. It is described as the gross production minus the proportionately variable non-factor cost. It is calculated per hectare of crop or per head of livestock, and is periodically revised on the basis of a sample survey. To facilitate comparison, it is expressed in European currency unit (Ecu) or a bigger unit ESU (equals 1 000 Ecu).
- **Agricultural activity:** for the purpose of agricultural census it is defined as an activity related to a characteristic that is included in the list of characteristics for the census. Implicitly, it is an activity for which a Standard Gross Margin has been fixed.
- **Agriculture:** a set of agricultural activities defined as above.
- **Agricultural holding:** is an economic unit which is engaged in agricultural activities at a scale above a threshold.

Coverage

Geographically, the survey covered the entire territory of the country. Statistically, the census covered all units engaged in agriculture and whose economic size is above 3 ESU. This threshold allowed coverage of about 99 percent of agricultural production. However, this threshold led to a drastic decline in number of holding since 1991 census, as a greater number of units have fallen below the threshold size than the number of units growing above the threshold size.

Frame

In order to become eligible for financial support all holders are required to register with LASER which maintains a National Farm Register (NFR). This register is continuously updated to include mutations and resultant changes in size of holding, the name of holder, his address and telephone number. However, updating of electronic data base is done during April to August each year along with survey data. The register is subjected to various types of checks to correct for errors and reporting biases before being used for statistical purposes. All units in the NFR whose size exceeded 3 ESU constituted the frame for the census.

Method

The 1999 census was carried out as with complete enumeration. Since 1990 the methodology has gradually changes from personal interview to postal survey. For 1999 FSS survey questionnaire was sent by mail in advance before the reference date and the respondents were obliged to complete, sign and return it within 5 days. Refusers and non-respondents were visited by the Agricultural Inspection Service, a kind of agricultural police force. These arrangements lead to nearly 100 percent response. Quality checks were applied and holders were contacted again for seeking clarification or obtaining missing information, if required. Holders received a print out of validated data for confirmation of data entered in the record. They were given an opportunity to change before survey data was processed.

Data source

Farm Structure Survey 1999/2000, 2003 Edition, Agriculture and Fisheries Theme 5, European Commission, Eurostat.

Contact

Statistics Netherlands, National Accounts, P.O. Box 4000 2270 JM Voorburg, the Netherlands. Tel.: (+31) 70 337 3800; Fax: (+31) 70 387 7429.

Web site

<http://www.cbs.nl>

NETHERLANDS - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	101 550	2 239 290

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	101 550	2 239 290
without agricult. land	1 490	1 310
0 - 2 ha of agricult. area	14 630	20 740
2 - 5 ha	15 620	59 780
5 - 10 ha	15 780	123 700
10 - 20 ha	17 510	272 710
20 - 30 ha	13 080	346 140
30 - 50 ha	15 100	608 820
50 - 100 ha	7 150	490 220
>= 100 ha	1 190	315 870

LEGAL STATUS		
	Number of holdings	
Holdings operated by:		
Civil Persons	95 100	-
Other	6 450	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	2 027 800
Owned	-	1 435 460
Rented	-	558 980
Other forms of tenure	-	33 360

HOLDERS BY SEX		
	Number of holders	
Total	95 100	-
Male	87 650	-
Female	7 450	-

HOLDERS BY AGE		
	Number of holders	
Total	95 100	-
< 35 years of age	6 460	-
35 to 44	20 440	-
45 to 54	24 210	-
55 to 64	25 770	-
65 >	18 220	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	193 820	-
Male	128 100	-
Female	65 720	-
Of which, full time:		
Total	90 040	-
Male	77 780	-
Female	12 260	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	81 920	-
Of which, full time:	35 430	-

LAND USE		
	Number of holdings	Area (ha)
All land	101 550	2 239 290
Agricultural land	-	2 027 800
Cropland	-	1 043 120
Arable land	69 890	1 009 530
Permanent crops	8 120	33 590
Permanent mead./pastures	66 120	984 680
Wood / forest land	6 550	113 330
All other land	-	98 160

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat (Soft)	10 500	102 780
Rye	880	2 650
Barley	8 870	58 290
Oats	730	2 520
Maize	2 590	16 040
Dry pulses	950	4 080
Potatoes	15 840	179 800
Sugarbeets	17 740	119 750
Industrial plants	1 070	6 640
Rapeseed and Turnip	130	1 320
Vegetables (grown in the open)	11 160	76 350

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	47 880	4 205 690
of which: dairy cows	35 060	1 649 730
Sheep	18 330	1 400 650
Goats	3 650	152 790
Pigs	16 430	13 566 820
Chickens, total	-	38 320 000
Broilers	1 230	53 250 000
Laying hens	2 960	51 520 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	199 750	218 990
Tractors not belonging to the holding	391 100	-

NEW CALEDONIA - Agricultural Census 2002 - Explanatory Notes

Historical outline

The 2002 General Census of Agriculture is the third census undertaken in New Caledonia; the first one was conducted in 1983/84 and the second in 1991.

Organization

The "Institut de la Statistique et des Etudes Economiques (ISEE)", in collaboration with the "Direction des Affaires Vétérinaires, Alimentaires et Rurales (DAVAR)" of New Caledonia, were entrusted with the technical organization of the General Census of Agriculture 2002.

Enumeration period

The census was conducted from 1 July 2002 to 28 January 2003.

Definition

- **Agricultural holding:** is an economic unit of agricultural production satisfying at the same time the following three conditions:
 - To produce at least one crop or to utilize agricultural land;
 - To reach a minimum size in terms of area, livestock numbers or agricultural production;
 - To be managed by an agricultural holder who takes the day-to-day decisions..
- **Superficie Agricole Utilisée (SAU):** includes arable land, land under permanent crops and land under permanent meadows and pastures.

Coverage

- Geographically, the census covered the entire country.
- To identify the holdings reaching the minimum size to be covered by the census, the method of calculation used by the Agriculture Register was followed: (i.e. 100 points for one hectare under pasture-land, 100 pts for a milk cow, 100 pts for a sow; 20 pts for 100 square meters under vegetables, 20 pts for a bee-hive; 2 pts for a laying-hen, etc.). All agricultural holdings exceeding 350 points were enumerated.

Frame/Method

Holdings were enumerated through direct interview.

Data source

Recensement Général Agricole (RGA) 2002. "Institut de la Statistique et des Etudes Economiques (ISEE), "Direction des Affaires Vétérinaires, Alimentaires et Rurales (DAVAR) Nouvelle-Calédonie.

Contact

- Institut de la Statistique et des Etudes Economiques (ISEE), Immeuble Gallieni 1-5, rue Gallieni 2^e étage, B.P. 823-98845 Nouméa, Nouvelle Calédonie. Tél. : (+687) 283 156, (+687) 275 481; Fax: (+687) 288 148; E-mail: isee@isee.nc.
- Direction des Affaires Vétérinaires, Alimentaires et Rurales (DAVAR) 209, rue Auguste Bénébig, Haut Magenta, B.P. 256 – 98845 Nouméa, Nouvelle Calédonie. Tél. : (+687) 255 100; Fax : (+687) 255 129; E-mail: davar@gouv.nc.

Website

<http://www.isee.nc>

NEW CALEDONIA - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	5 574	289 545

LEGAL STATUS		
		Area (ha)
Total	-	289 545
Civil persons	-	190 228
Government	-	30 513
Tribe/clan	-	68 804

TENURE OF LAND		
		Area (ha)
Total	-	289 545
Owned	-	249 528
Rented	-	40 017

MEMBERS OF HOLDER'S HOUSEHOLD		
		Number of persons
Total	-	21 212

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
		Number of persons
Total	-	13 247

LAND USE		
		Area (ha)
All land		289 545
Agricultural land	-	247 878
Cropland	-	7 692
Arable land	-	6 232
Temporary crops		4 435
Temporarily fallow	-	1 602
All other arable land		195
Permanent crops		1 460
Permanent mead./pastures		240 186
All other land		41 667

TEMPORARY CROPS		
		Area (ha)
Cereals	-	953
Root/tuber crops	-	785
Leguminous plants	-	1 875
Flowers/ornamental plants		103
Vegetable crops	-	426

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Coffee	-	222

LIVESTOCK		
		Head/units
Cattle	-	111 308
Pigs	-	25 447
Horses/mules/asses	-	7 512
Deers	-	14 367
Goats	-	8 130
Sheep	-	2 297
Poultry	-	382 838
Rabbits	-	7 791
Bee-hives	-	1 971

NEW ZEALAND - Agricultural Census 2002 - Explanatory Notes

Historical outline

New Zealand has participated in all the rounds of World Census of Agriculture. Present data refer to the 2002 Census of Agriculture, Horticulture and Forestry, which is the first comprehensive agricultural census conducted since 1994. Surveys of the agriculture sector were held in 1999 and 2000: in 1999, Statistics New Zealand conducted a sample survey of livestock and arable farming, while the 2000 survey related to horticulture.

Organization

The census is organized by Statistics New Zealand with the cooperation of the Ministry of Agriculture and Forestry (MAF).

Enumeration period

The census day was 30 June 2002. The mailing of questionnaires started on 27 June, with all questionnaires being posted by mid-July.

Reference date/period

- Data on area sown, area harvested and production of temporary crops refer to the agricultural year ended 30 June 2002.
- Data on area planted under permanent crops refer to 30 June 2002.
- Data on livestock numbers refer to 30 June 2002.

Definition

- **Agricultural holding:** An agricultural holding (Farm) is an agricultural production unit consisting of one or more blocks of land, managed as a single operation which is engaged in agricultural activity.
This includes:
 - Farming livestock, horticulture, forestry, and growing grain, seed and arable crops.
 - Land potentially usable for such purposes.

Coverage

- Geographically, the census covered the entire country.
- Statistically, the census included all individuals or business involved in livestock, cropping, horticulture or forestry, whether the farming activity is a major source of income or not.

Frame

The list of farms used for the 2002 Agricultural Census has been extracted from Statistics New Zealand's Business Register and from the Inland Revenue Department's Client Register. This list includes all enterprises, on either the Client Register or the Business Register, that are recorded as having agricultural activity.

Method

The agricultural census is a postal sample survey, the selected farmers and growers being asked to complete and return questionnaires within 14 days of receipts. A complete return is requested for anyone who is carrying out farming, horticultural or forestry activities.

Data source

The 2002 Census of Agriculture, Horticulture and Forestry, Provisional Results. Statistics New Zealand.

Contact

- Statistics New Zealand Information Centre, Aorangi House, 85 Molesworth St., P.O. Box 2922, Wellington.
Tel.: (+64) 4 931 4600; Fax: (+64) 4 931 4030; E-mail: info@stats.govt.nz.
- Ministry of Agriculture and Forestry (MAF), Policy Information & Regions, PO Box 2526, Wellington, New Zealand.
Tel.: (+64) 4 894 0100; Fax: (+64) 4 894 0720; E-mail: info@maf.govt.nz.

Website

<http://www.stats.govt.nz>

NEW ZEALAND - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	70 000	15 640 348

NUMBER OF HOLDINGS BY SIZE		
	Number of holdings	
Total	70 000	-
< 5 ha	11 750	-
5 - 10 ha	7 300	-
10 - 20 ha	7 300	-
20 - 40 ha	7 300	-
40 - 60 ha	4 800	-
60 - 80 ha	3 800	-
80 - 100 ha	3 300	-
100 - 200 ha	9 700	-
200 - 400 ha	7 900	-
400 - 600 ha	2 800	-
600 - 800 ha	1 200	-
800 - 1 000 ha	700	-
1 000 - 2 000 ha	1 200	-
2 000 - 4 000 ha	540	-
4 000 ha >	410	-

LAND USE		
	Number of holdings	Area (ha)
Total land	70 000	15 640 348
Agricultural land	-	12 076 530
Cropland	-	534 043
Permanent meadows/past.	-	11 542 487
Wood/forest land	-	3 180 502
All other land	36 000	383 316

TEMPORARY CROPS		
	Area (ha)	Production (Metric Tons)
Wheat	42 155	301 498
Barley	78 097	440 883
Oats	7 353	34 987
Maize	14 178	148 847
Other cereals	2 587	13 162
Potatoes	10 611	-
Peas	8 273	-
Squash	6 560	-
Sweet corn	6 384	-
Onions	5 488	-
Lettuce	1 287	-
Asparagus	2 015	-
Broccoli	1 786	-
Carrots	1 831	-
Pumpkins	1 033	-

PERMANENT CROPS		
	Area (ha)	
Apples	11 715	-
Pears	965	-
Nashi (Asian) pears	119	-
Peaches	808	-
Apricots	635	-
Nectarines	528	-
Cherries	550	-
Plums	394	-
Kiwi	11 964	-
Avocados	3 099	-
Feijoas	198	-
Tamarillos	270	-
Passionfruit	70	-
Persimmons	282	-
Grapes for wine	17 359	-
Grapes for table use	112	-

LIVESTOCK		
		Number of head
Cattle, total	-	9 656 267
Dairy cattle	-	5 161 589
Beef cattle	-	4 494 678
Sheep	-	39 545 609
Goats	-	153 084
Pigs	-	341 377
Horses	-	75 856
Deer	-	1 643 938

NICARAGUA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The first nationwide census of agriculture was conducted in Nicaragua in 1963. A second census was conducted in 1971, but all information collected during the census was lost because of the earthquake that in 1972 severely hit the country. The latest agricultural census, the "Tercer Censo", to which data reported here refer, was conducted in 2001.

Organization

The National Institute of Statistics and Censuses (INEC), whose Director was designed as National Executive Director of the Census Project, in collaboration with the Ministry of Agriculture and Forestry (MAG-FOR), organized and conducted the III CENAGRO. Among the 5 000 persons participating in the field work of census operations, there were 3 011 enumerators and 965 supervisors. Technical assistance was provided by the Food and Agriculture Organization of the UN, through the Project "Apoyo a las actividades precensales del Tercer Censo Nacional Agropecuario".

Enumeration period

The enumeration lasted one month, and was carried out during March 2001.

Reference date/period

Three reference periods were adopted:

- The agricultural year 1 May 2000 to 30 April 2001;
- The enumeration day;
- The calendar year 1 January to 31 December 2000.

Definition

Agricultural holding (Explotación Agropecuaria, EA) is all land totally or partially exploited inside a municipality as a techno-economic unit of agricultural production under single management, regardless of size, title or legal form. An agricultural holding could be a landless holding, either located in rural or in urban areas.

Coverage

All agricultural holdings in the country were covered, excluding kitchen-gardens in Urban Areas.

Frame

A list of rural households from the 1995 Census of Population and Dwellings, and cartography reporting the localization of rural households, were used as the frame of the III CENAGRO.

Method

The country, administratively divided into 15 Departments and two Autonomous Regions, subdivided in turn into 115 Municipalities, was, for census purposes, subdivided into 2 984 Segments, (Segmentos de Empadronamiento Agropecuario, SEA), each one including about 70 agricultural holdings. Complete enumeration of holdings identified through direct interview as agriculturally active was carried out. For the Post-Enumeration Survey, SEAs were grouped in four strata: Pastures, Arable Land, Permanent Crops and Other and a proportionate stratified random element sampling, then stratified by size of holding, was adopted. The Survey covered 7 274 agricultural holdings in 100 Segments.

Data source

CDROM: CENAGRO, III Censo Nacional Agropecuario, Resultados Finales, INEC, MAG-FOR, FAO, UE.

Contact

Instituto Nacional de Estadísticas y Censos INEC, Dirección: Frente al Hospital Lenin Fonseca, Los Arcos, Managua, Nicaragua. Tel.: (+505) 2 666 178, (+505) 2 662 825; E-mail: webmaster@inide.gob.ni.

Website

<http://www.inide.gob.ni>

NICARAGUA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	199 549	6 254 514

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	199 549	6 254 514
< 0.4 ha	7 337	1 936
0.4 - 0.7 ha	10 745	7 146
0.7 - 1.8 ha	21 379	28 389
1.8 - 3.5 ha	26 517	72 808
3.5 - 7.0 ha	28 576	159 300
7 - 14 ha	27 022	298 717
14 - 35 ha	38 780	982 308
35 - 70 ha	21 684	1 172 423
70 - 140 ha	10 746	1 139 997
140 - 350 ha	5 169	1 153 030
350 ha >	1 594	1 238 462

FRAGMENTATION		
	Number of holdings	
Total	199 549	-
holdings with: 1 parcel	130 947	-
2 parcels	47 707	-
3 parcels	12 967	-
4 parcels	5 891	-
5 parcels	855	-
6 parcels	563	-
7 parcels >	619	-

LEGAL STATUS		
	Number of holdings	
Total	199 549	-
Civil person	196 909	-
Corporation	328	-
Cooperative	610	-
Collective	1 457	-
Government	45	-
Others	200	-

HOLDINGS BY TENURE		
	Number of holdings	
Total	199 549	-
Under one form of tenure	186 843	-
Owned	172 805	-
Rented	5 024	-
Other single forms	9 014	-
More than one form of tenure	12 706	-

AREA BY TENURE		
		Area (ha)
Total	-	6 254 514
Owned	-	5 885 865
Rented	-	121 404
Other forms	-	247 246

HOLDERS BY SEX		
	Number of holders	
Total	196 909	-
Male	161 323	-
Female	35 586	-

HOLDERS BY AGE		
	Number of holders	
Total	196 909	-
< 25 years of age	8 530	-
25 - 34	31 432	-
35 - 44	46 069	-
45 - 54	44 804	-
55 - 64	33 488	-
65 and over	31 695	-
not stated	891	-

HOLDINGS BY SIZE OF HOLDER'S HOUSEHOLD		
	Number of holdings	
Total	196 909	-
Holdings with:		
1 person	47 741	-
2 - 3	85 852	-
4 - 5	39 268	-
6 - 9	20 279	-
10 >	3 769	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	611 161	-
Male	436 001	-
< 12 years	32 013	-
12 >	403 988	-
Female	175 160	-
< 12 years	17 213	-
12 >	157 947	-

HIRED WORKERS		
	Holdings reporting	Number of workers
Total	94 675	678 161
Permanent	-	125 914
Temporary	-	552 247

LAND USE		
		Area (ha)
All land	-	6 254 514
Agricultural land	-	5 138 742
Cropland	-	2 154 132
Arable land	-	1 858 218
Temporary crops	-	670 317
Temporarily fallow	-	1 187 900
Permanent crops	-	295 915
Permanent mead/past.	-	2 984 610
Wood/forest land	-	889 274
All other land	-	226 498

TEMPORARY CROPS		
	Holdings reporting	
Maize	141 384	-
Rice	114 976	-
Sorghum	17 031	-
Beans	13 559	-

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Citrus fruits	11 077	11 153
Sugarcane	6 507	61 208
Coffee	43 182	129 911
Bananas / Plantains	51 665	63 492

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	96 994	2657 039
Pigs, total	93 581	383 172
under 6 month	-	209 672
6 month and more	-	173 500
Sheep	2 626	29 903
Goats	2 836	22 390
Horses	102 135	334 610
Mules	32 046	72 097
Asses	4 615	7 073
Rabbits	1 093	5 255
Chickens	-	8 616 679
Other poultry	-	111 958

Historical outline

The first agricultural census in the Commonwealth of Northern Mariana Islands (CNMI) was conducted in 1970 in conjunction with the decennial population census. This practice was continued in 1980 and 1990 also. However, in 1998 an independent agricultural census was conducted for the first time. The 2002 Census of Agriculture in CNMI, the fifth in the series, is synchronized with the five yearly programme of Agricultural Census followed in the main United States.

Organization

The 1997 Appropriations Act of United States transferred the responsibility of the Agricultural Census from the Bureau of the Census, to the National Agricultural Statistics Service (NASS) of the US Department of Agriculture (USDA). Thus since 1998 the responsibility for agricultural census of CNMI vests with NASS.

Enumeration period

The enumeration for Agricultural Census 2002 took place during January 2003.

Reference date/period

Inventories of livestock, poultry and machinery relate to the time of enumeration. The data on crop production, crop and livestock sales and expenses relate to the calendar year 2002.

Definition

A farm (agricultural holding) is defined as: "Any place from which US\$ 1 000 or more of agricultural products were produced and sold (or normally would have been sold) during the 2002 calendar year".

Coverage

The agricultural census covered the entire country.

Frame

The CNMI Census of Agriculture was based on a list of farm operators compiled by the CNMI Department of Commerce. The core of this list was a compilation of all persons having a business licence to sell agricultural products. The local Department of Agriculture provided a supplementary list of known farmers.

Method

Data were collected through personal interview of farm operators. Each enumerator was an employee of the Department of Commerce and had responsibility for specified names on the list of farm operators. The enumerators contacted all persons on their list and completed a Census Report Form for all farm operations. If a person on the list was not operating a farm, the enumerator recorded whether the land had been sold or rented to someone. If it was still being used for agriculture, the name of new operator was included in the list of holders for further enumeration.

Data source

Census of Agriculture 2002 (Vol. I), Geographic Area Series, Part 56. United States Department of Agriculture (USDA), United States of America.

Contact

United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), 1400 Independence Ave., SW Washington, DC 20250. Tel.: (800) 727 9540, (+202) 720 3878;
E-mail: nass@nass.usda.gov

Website

<http://www.nass.usda.gov/census>

NORTHERN MARIANA ISLANDS - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	214	952

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	214	952
under 0.4 ha	5	1
0.4 and under 0.8 ha	36	19
0.8 and under 2.0 ha	74	81
2.0 and under 4.0 ha	51	132
4.0 and under 8.1 ha	23	113
8.1 and under 20.2 ha	11	150
20.2 ha and over	14	6

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	214	-
Civil persons	190	-
Corporation	19	-
Others	5	-

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	214	952
Under one form of tenure	201	770
Owned	154	384
Rented	47	386
More than one form of ten.	13	182

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	214	952
Owned	164	435
Rented	60	517

HOLDERS BY SEX		
	Number of holders	
Total	214	
Male	194	
Female	20	

HOLDERS BY AGE		
	Number of holders	
Total	214	
Under 35 years of age	27	
35 to 44	61	
45 to 54	76	
55 to 64	32	
65 and over	18	

HIRED PERMANENT WORKERS		
	Holdings reporting	Number of persons
Total	80	145

LAND USE		
	Number of holdings	Area (ha)
All land	214	952
Agricultural land	-	852
Cropland	194	357
Permanent mead./pastures	60	495
Wood or forest land	52	38
All other land	138	62

IRRIGATION		
	Holdings reporting	Area (ha)
Land irrigated	135	125

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Taro	60	19
Sweet potatoes	44	14
Cucumbers	56	12
Eggplant	71	10
Yams	41	7
Chinese cabbage	50	6
Pumpkins/Squash	45	6
Peppers ,hot	61	6
Onions green	52	6
Tomatoes	48	5
Watermelons	26	4
Maize	31	4
Cassava	26	3
Cantaloupes	6	1

PERMANENT CROPS		
	Holdings reporting	Trees of bearing age
Betelnuts	38	24 633
Bananas	87	16 074
Papayas	51	3 943
Soursops	34	2 319
Lemons/limes	61	2 259
Coconuts	32	2 148
Sweetsops	26	847
Pineapples	10	747
Mangoes	21	707
Guavas	26	546
Avocados	11	185
Tangerines	24	178
Breadfruits	14	169
Starfruits	13	149
Oranges	13	112
Grapefruits	8	19

LIVESTOCK		
	Holdings reporting	Number of head
Cattle and calves	55	1 319
Hogs and Pigs	61	2 242
Goats	15	198
Chickens	68	11 490
Ducks	12	186
Pigeons	17	711

MACHINERY AND EQUIPMENT		
	Holdings reporting	Units owned
Tractors, all kinds	60	65
Motortrucks	70	82
Automobiles	144	155
Tillers, all kinds	73	85

NORWAY - Agricultural Census 1999 - Explanatory Notes

Historical outline

Norway conducted its first General Census of Agriculture and Livestock, in conjunction with the Census of Population, in 1835. Separate censuses devoted exclusively to agriculture were undertaken in 1907, 1918, 1929, 1939, 1949, 1959, 1969, 1979, 1989 and the latest in 1999, to which data presented here refer.

Organization

Statistics Norway is the responsible institution charged with the organization of the agricultural census. The municipal agricultural authorities and the divisions of agriculture at the county governors worked as decentralized offices for census implementation.

Enumeration period

The census day was 31 July 1999.

Reference date/period

Data mainly refer to the day of enumeration.

Definition

The holding is a unit of farming operation including livestock keeping and horticulture. The holding has the following characteristics: is operated as a unit, includes rented agricultural area and is independent of municipal boundaries. For inclusion in the census the holding had to satisfy one of the following criteria. Operating at least:

- 0.5 ha of agricultural area;
- 300 square meters of greenhouses;
- 0.2 ha of field grown vegetables;
- 0.1 ha of field-grown berries (strawberries, raspberries, black currant etc.);
- 0.1 ha under fruit trees;
- 0.1 ha of nurseries;

Or having at least:

- 10 head of cattle;
- 25 sheep over one year of age;
- 10 goats over one year of age;
- 5 breeding pigs and/or 200 other pigs;
- 1000 laying hens and/or chickens reared for egg production;
- 5000 chickens for meat production.

Coverage

- Geographically, the census covered the entire country.
- Statistically, the census covered, in each municipality of the country, all holders fulfilling the above described conditions (see definitions).

Frame

The Farm Register (Landbruks registeret), reporting all farming properties and all agricultural holdings and their owners and holders, was used as the register of addresses in order to send the questionnaires to census respondents. In the past, responsible organs for operating the Register were the Norwegian Institute of Land Inventory, together with the Institution "Norwegian Grain". Since 2000, the Norwegian Agricultural Authority is responsible for operating the Register.

Method

Three different questionnaires were prepared for the 1999 census, of which the main questionnaire and the supplementary questionnaire were sent directly to respondents in the middle of July, while the greenhouse and horticulture questionnaire was distributed through the municipal agricultural authorities. The questionnaires mailed back to Statistics Norway were checked and, when necessary, the municipal agricultural authorities were requested to provide supplementary information.

Data source

Census of Agriculture 1999, Norges Offisielle Statistikk, Statistics Norway, Oslo-Kongsvinger.

Contact

- Statistics Norway, Kongens gt.6, P.O. Box 8131 Dep. N-0033 Oslo Norway. Tel.: (+47) 21 090 000; Fax: (+47) 21 094 973.
- Statistics Norway, Oterv'n 23, P.O. Box 1260 Dep. N-2201 Kongsvinger Norway. Tel.: (+47) 62 885 000; Fax: (+47) 62 885 030; E-mail: ssb@ssb.no.

Website

<http://www.ssb.no>

<http://www.nilf.no/Engelsk/Hoved.shtml>

NORWAY - Agricultural Census 1999 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	70 740	6 355 686

NUMBER AND AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	70 740	6 355 686
without land	398	-
0.1 - 0.5 ha of agricult. area	331	5 739
0.5 - 5 ha	13 788	665 817
5 - 10 ha	16 720	1 312 629
10 - 20 ha	22 286	2 226 233
20 - 30 ha	10 367	1 147 623
30 - 50 ha	5 273	622 471
50 and over	1 577	375 174

FRAGMENTATION		
	Number of holdings	
Total holdings with land	70 342	-
holdings with:		-
1 parcel	22 260	-
2 - 4 parcels	33 190	-
5 parcels and more	14 892	-

LEGAL STATUS		
	Number of holdings	
Total	70 740	-
Civil person	69 959	-
Corporation	319	-
Others	462	-

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Holdings rented from others	38 746	323 859

HOLDERS BY SEX		
	Number of holders	
Total	69 959	-
Male	60 914	-
Female	9 045	-

HOLDERS BY AGE		
	Number of holders	
Total	69 959	-
< 30 years of age	3 656	-
30 - 40	14 267	-
40 - 50	20 447	-
50 - 60	19 276	-
60 - 70	9 981	-
70 >	2 332	-

PERMANENT WORKERS		
	Number of workers	
Total	22 486	-

LAND USE		
		Area (ha)
All land	-	6 355 686
Agricultural land	-	746 331
Wood/forest land	-	2 867 595
All other land	-	2 741 760

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	5 414	51 580
Rye	273	1 456
Oats	11 173	91 313
Barley	17 782	182 592
Triticale	244	1 233
Potatoes	10 252	14 851
Carrots	695	1 318
Cabbages	465	541
Cauliflowers	333	488
Swedes and Turnips	505	553

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples	1 379	1 895
Pears	568	222
Plums	851	319
Cherries	129	47
Sweet cherries	38 781	248
Strawberries	1 281	1 662
Raspberries	651	238
Black currants	185	200
Blueberries	77	24

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	30 130	1 033 070
Sheep (1 year and over)	22 707	955 367
Goats (which have kidded)	1 235	55 023
Pigs	5 876	738 372
Horses	7 310	26 959
Chickens (laying hens)	4 064	3 181 174

PAKISTAN - Agricultural Census 2000 - Explanatory Notes

Historical outline

The first Census of Agriculture in Pakistan was conducted in 1960, the second in 1972, the third in 1980 and the fourth in 1990. Data here presented refer to the fifth Census of Agriculture, undertaken in 2000.

Organization

The 2000 Census of Agriculture was conducted by the Agricultural Census Organization, which works as an attached Department to the Statistics Division of the Government of Pakistan. The census taking exercise was guided by an Advisory Committee, comprising about 50 members drawn from the concerned federal and provincial government departments, universities, research institutes, and from the Agricultural Development Bank. Farmers were also included in the Advisory Committee as non-official members.

Enumeration period

Enumeration periods were: For "Hot Area": from January to March 2000. For "Cold Area": from April to June 2000. For "Very Cold Area" (Northern Areas): from July to August 2000.

Reference date/period

Data on land and land utilization pertain to the agricultural year 1999/2000, i.e. Kharif season 1999 and Rabi season 1999/2000. Data on number and size of farms, and all other items, refer to the enumeration periods.

Definition

Household means a person or a group of persons living together and eating from the same kitchen, whether or not related to each other. Households could be:

- **Farm Households:** include households operating any farm area irrespective of their ownership and whether operated individually or jointly with other households. Farm households may or may not have any livestock. **Non-Farm Households:** include households not operating any farm area. Households owning land but not operating any land area are also included.
- **Agricultural Households:** include farm Households and/or Livestock Holders.
- **Non-Agricultural Households:** refer to households which do not fall in the category of farm Households and/or Livestock Holders.

Coverage

The census covered the whole country, i.e. North West Frontier Provinces (NWFP), Punjab, Sindh and Balochistan Provinces. The geographic coverage was also extended to Northern Areas, Azad Jammu and Kashmir, each one considered as a separate entity.

Frame

The following frames were prepared: (1) A list of National Certainty Holdings comprising all Government and Private farms of 100 acres (40.469 ha) or more, scattered all over the country, a list of Mouzas (villages) arranged by Patwar and Kanugo Circles (groups of villages reporting a uniform assessment rate originated by similar conditions of soil, rainfall, climate, etc.). Purely forest and urban Mouzas were excluded. (2) A complete list of urban blocks, (3) A list of households in selected mouzas reporting specified area characteristics, (4) A list of households in sampled mouzas reporting specified livestock characteristics.

Method

The Agricultural Census 2000 was sample based. The design varied for different regions in view of the ground realities. Therefore, the entire country was divided into three distinct parts:

- In rural settled areas of NWFP, Punjab and Sindh Provinces, a three stage weighted and stratified sample design was applied.
- In rural settled areas of Balochistan, Azad Jammu and Kashmir, a single stage weighted sample was used.
- In the rest of the country, including urban areas and unsettled rural and tribal areas, comprising Northern Areas, a single stage systematic sample was used.

Data source

Agricultural Census 2000 Pakistan Report. Government of Pakistan, Statistics Division, Agricultural Census Organization, May 2003.

Contact

Government of Pakistan, Agricultural Census Organization, Gurumangat Road, Gulberg-III, Lahore, Pakistan. Tel.: (+92) 42 926 3180, (+92) 42 575 1667; Fax: (+92) 42 926 3172; E-mail: agcensus@lhr.paknet.com.pk, agcensus@yahoo.com.

Website

<http://www.statpak.gov.pk>

PAKISTAN - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	6 620 224	20 437 554

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	6 620 224	20 437 554
Government holdings	170	30 772
Under 0.5 ha	1 290 098	362 544
0.5 and under 1 ha	1 099 330	821 245
1 and under 2 ha	1 425 370	1 981 277
2 and under 3 ha	966 411	2 256 772
3 and under 5 ha	890 755	3 442 507
5 and under 10 ha	580 200	3 891 228
10 and under 20 ha	260 791	3 324 310
20 and under 40 ha	77 773	1 955 330
40 and under 60 ha	15 277	689 070
60 ha and over	14 054	1 682 491

FRAGMENTATION		
	Number of holdings	
Total ⁽¹⁾	6 620 054	-
1 parcel	4 018 447	-
2 - 3 parcels	1 801 251	-
4 - 5 parcels	429 224	-
6 - 9 parcels	241 498	-
10 parcels and more	129 642	-

⁽¹⁾ Excluding Government holdings

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total ⁽¹⁾	6 620 054	20 406 782
Under one form of tenure	6 061 066	17 443 336
Owned	5 134 504	14 961 275
Rented	926 562	2 482 061
More than one form of ten.	558 991	2 963 441

TENURE OF LAND		
		Area (ha)
Total ⁽¹⁾	-	20 406 782
Area owned	-	16 255 900
Area rented	-	4 150 882

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	129 421 200	-
Male	67 251 300	-
under 10 years of age	24 198 100	-
10 years of age and over	43 053 200	-
Female	62 169 900	-
under 10 years of age	22 747 500	-
10 years of age and over	39 422 400	-

HOLDERS AND HOUSEHOLD MEMBERS (10 YEARS AND OVER) ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	22 323 033	-
Male	14 667 961	-
Female	7 655 072	-

LAND USE		
	Number of holdings	Area (ha)
Total land	6 620 224	20 437 554
Cropland	6 331 949	16 498 489
Arable land	6 250 305	15 458 894
Land temporarily fallow	364 464	1 039 595
Wood or forest land	169 293	258 122
All other land	-	3 680 943
Unused and potentially productive	759 609	2 878 520
Unproductive	665 701	802 423

HIRED PERMANENT WORKERS		
	Number of holdings	Number of workers
Total	295 974	660 180

TEMPORARY CROPS		
	Holdings rep.	Area (ha)
Wheat	5 329 625	9 473 772
Rice	1 612 914	2 919 551
Maize	1 135 345	874 429
Cotton	1 626 779	3 202 126

PERMANENT CROPS		
	Holdings rep.	Number of trees/plants
Almonds	22 385	1 275 642
Apples	200 292	12 509 826
Apricots	167 929	2 708 769
Bananas	29 346	11 706 469
Cheeku	3 141	225 682
Cherries	6 796	322 716
Dates	165 306	6 826 415
Grapes	61 147	257 029
Guavas	122 982	4 321 354
Kino/Fruiter	95 718	14 255 697
Lemons	86 416	496 737
Loquat	22 008	619 460
Mangoes	311 318	8 689 998
Mulberries	190 544	909 050
Oranges	84 038	3 786 395
Papayas	2 543	96 393
Peaches	72 504	1 492 468
Pears	87 863	502 000
Persimmons	27 048	655 481
Plums	125 597	2 326 153
Pomegranates	48 183	1 058 972
Sweet lemons	56 361	577 869
Walnuts	200 964	1 296 575

LIVESTOCK		
	Holdings rep.	Number of head
Cattle, total	4 895 702	17 304 250
under 3 years of age	-	5 884 672
3 years of age and over	-	11 419 578
Male	-	2 761 275
Female	-	8 658 319
Buffaloes, total	5 312 649	18 643 966
under 3 years of age	-	7 039 034
3 years of age and over	-	11 604 932
Male	-	920 094
Female	-	10 684 833
Sheep, total	1 177 360	13 130 751
under 1 year of age	-	3 711 005
1 year of age and over	-	9 419 746
Male	-	1 835 724
Female	-	7 584 018
Goats, total	5 302 787	34 759 109
under 1 year of age	-	11 055 803
1 year of age and over	-	23 703 306
Camels, total	297 376	613 691
under 3 years of age	-	196 312
3 years of age and over	-	417 379
Horses, total	205 383	274 595
under 3 years of age	-	67 750
3 years of age and over	-	206 845
Mules, total	55 088	91 127
under 3 years of age	-	21 440
3 years and over	-	69 687
Asses, total	2 222 428	2 977 534
under 3 years of age	-	737 601
3 years of age and over	-	2 239 933

PANAMA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The first nationwide agricultural census in Panama was conducted in 1950 through complete enumeration; the second was carried out in 1961 on a sample basis; other four decennial censuses were conducted, through complete enumeration, in 1971, 1981, 1991 and the latest in 2001, to which data presented here refer.

Organization

The Direction of Statistics and Censuses of the "Contraloría General de la República de Panamá" organized and conducted the Sixth National Agricultural Census in Panama.

Enumeration period

The enumeration period was from 22 to 29 April 2001.

Reference date/period

Three references date/period were adapted: The agricultural year 2000/01, 22 April 2001, Calendar year 2000.

Definition

Agricultural holding is all land totally or partially used for agriculture, regardless of title, legal form, size or location, by an agricultural holder and his household. A holding may consist of more than one parcel, if all located in the same District.

Coverage

The census covered the entire country.

Frame

The census segments assigned to the enumerators were used as frame.

Method

The country was, for census purposes, divided into Regions, Zones, controlled by the supervisors, and Segments, each one including a certain number of holdings, assigned to the enumerators. Complete enumeration of all holdings was carried out; data were collected through direct interview.

Data source

VI Censo Agropecuario (Vol. I), Tomi 1 and 2, datos basicos. Contraloría General de la República, Dirección de Estadística y Censo, República de Panamá.

Contact

Contraloría General de la República, Dirección de Estadística y Censo, Ave. Avenida Balboa y Avenida Federico Boyd, 2do. piso, República de Panamá. Tel.: (+507) 510 4358; Fax: (+507) 510 4355.

Website

<http://www.contraloria.gob.pa/inec>

PANAMA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	236 794	2 769 529

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	236 794	2 769 529
Without land	181	-
< 0.1 ha	83 271	3 402
0.1 - 0.5 ha	25 168	4 767
0.5 - 1 ha	16 281	9 103
1 ha and over	111 893	2 752 256

HOLDERS BY AGE		
	Number of holders	
Total	232 464	-
< 21 years	2 118	-
21-24	6 134	-
25-34	38 871	-
35-44	54 803	-
45-54	49 668	-
55-64	40 302	-
65 and over	40 568	-

TENURE OF LAND		
	Number of holdings	Area (ha)
Total holdings with land	236 613	2 769 529
Under one form of tenure	221 740	2 063 339
Owned	87 005	888 722
Rented	2 289	34 416
Other single forms	132 446	1 140 201
More than one form of ten.	-	706 190

LAND USE		
	Holdings reporting	Area (ha)
All land	-	2 769 529
Agricultural land	-	2 230 214
Cropland	-	695 169
Arable land	-	547 950
Temporary crops	113 402	243 976
Temporarily fallow	41 233	303 974
Permanent crops	181 260	147 219
Permanent mead./pastures	-	1 535 045
Wood/forest land	41 773	412 356
All other land	136 016	126 959

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Maize	52 460	64 016
Rice	47 364	109 562
Sorghum	134	499
Beans	52 223	22 617
Cassava	68 872	4 886
Yams	25 916	4 796
Tannia	12 053	1 098
Sugarcane	24 385	25 382
Tobacco	286	149
Potatoes	454	1 447
Onions	267	364
Chili	4 774	171
Tomatoes	3 955	1 323
Chayote	3 048	55

PERMANENT CROPS		
	Holdings reporting	Number of trees/plants
Coffee	32 020	50 831 069
Bananas	66 591	19 384 769
Plantains	86 925	13 050 064
Papaya	41 594	434 260
Oranges	106 495	3 250 916
Cocoa	12 321	2 025 432
Pineapples	23 575	16 689 031
Coconut	92 016	1 085 921
Avocados	78 262	357 259
Lemons	68 239	312 477
Pomelos	20 980	64 090
Mangoes	135 127	702 038
Guanabana	56 297	206 868
Maracuya	9 690	126 328
Pixba	44 924	478 304
Guayaba	24 730	293 557
Cashew nut	82 277	963 253

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	39 205	1 533 461
Pigs	28 186	312 189
Sheep	353	6 024
Goats	701	6 165
Horses	44 683	134 781
Mules/Asses	1 819	3 254
Chickens	150 805	14 132 823
Turkeys	6 007	23 594
Duks/Geese	21 805	189 424

PHILIPPINES - Agricultural Census 2002 - Explanatory Notes

Historical outline

The 2002 Census of Agriculture (CA 2002) is the fifth decennial census of agriculture undertaken in the country after those conducted in 1991, 1981, 1971 and 1960. Censuses of agriculture were also conducted in 1903, 1918, 1939 and 1948 in conjunction with population censuses, but on a limited scale.

Organization

The 2002 Census of Agriculture was organized and conducted by the National Statistics Office (NSO) which is the agency of the Government that is given the mandate to conduct all official censuses in the country. The Bureau of Agricultural Statistics provided assistance during actual census operations, particularly in the field supervision. The Department of Agriculture was also involved in census operations. 19 223 Enumerators, 4 015 Team Supervisors and 1 693 Census Area Supervisors were involved in Census operations

Enumeration period

Data were collected during the period 3 March to 5 April 2003.

Reference date/period

The reference period of the 2002 Census of Agriculture was from 1 January to 31 December 2002. However, data on livestock and poultry for CA 2002 were recorded as of the time of visit of the enumerators to households.

Definition

Farm:

- Is any piece of land having a total area of at least 1 000 square meters used wholly or partly for the growing of crops such as palay, maize, fruits, vegetables, nuts, etc., and/or rearing of livestock and/or poultry, regardless of number;
- Or any land regardless of area used for the raising of at least 20 head of livestock and/or 100 poultry.

Coverage

The census covered the entire country.

Frame

Census of Agriculture and Fisheries (CAF) Form 1 (List of households, Agricultural and Fishing Operators) was designed to list all households in sampled barangays (villages), whether in rural or in urban areas. Those listed were interviewed to determine whether any household member was engaged in agricultural activity anytime from 1 January to 31 December 2002. CAF Form 2 (Agriculture Questionnaire) was used to collect detailed information on the agricultural activity of any household member who was an agricultural operator.

Method

Sampling method was applied. Single stage stratified cluster sampling where barangays were stratified into three strata in each Municipality, was used. A systematic sample of barangays was independently selected in each district and all households whether in rural or urban areas, in the sampled barangays were listed and interviewed. Data were collected through direct interview. Of the total of 41 945 barangays of the country, 11 890 (28.4 percent) were selected as sample barangays. Self Administred Questionnaires (SaQ) were also used during enumeration.

Data source

The 2002 Census of Agriculture, Bureau of Agricultural Statistics, the Philippines.

Contact

Philippines Department of Agriculture, Bureau of Agricultural Statistics, Ben-Lor Bldg., 1184 Quezon Avenue, Quezon City, the Philippines. Tel.: (+63) 2 371 2048.

Website

<http://countrystat.bas.gov.ph/>; <http://www.census.gov.ph>

<http://www.bas.gov.ph>

PHILIPPINES - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	4 822 739	9 670 793

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	4 822 739	9 670 793
under 0.5 ha	973 601	232 731
0.5 and under 1 ha	962 273	594 300
1 and under 2 ha	1 394 903	1 635 995
2 and under 3 ha	624 669	1 365 613
3 and under 5 ha	508 880	1 778 383
5 and under 7 ha	221 198	1 248 615
7 and under 10 ha	81 942	665 781
10 and under 25 ha	88 658	1 192 188
25 ha and over	11 616	957 187

FRAGMENTATION		
	Number of holdings	
Total	4 822 739	
1 parcel	1 858 545	
2 to 3 parcels	2 679 001	
4 to 5 parcels	232 826	
6 to 9 parcels	46 387	
10 parcels and more	5 980	

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	4 822 739	9 670 793
Civil persons	4 782 541	9 325 164
Corporation	7 590	214 316
Cooperative	13 629	68 133
Government	2 673	7 413
Others	16 306	55 767

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	4 822 739	9 670 793
Under one form of tenure	3 322 411	6 565 776
Owned	2 292 666	4 896 765
Rented	989 885	1 573 815
Under other single forms	27 267	72 650
Not reported	12 593	22 546
Under more than one form of tenure	1 500 328	3 105 017

HOLDERS BY SEX		
	Number of holders	
Total	4 822 739	
Male	4 251 745	
Female	516 572	
Not stated	54 422	

HOLDERS BY AGE		
	Number of holders	
Total	4 822 739	
15 to 19 years of age	13 864	
20 - 24	135 920	
25 - 29	341 942	
30 - 34	522 614	
35 - 39	606 137	
40 - 44	624 083	
45 - 49	575 556	
50 - 59	948 888	
60 - 64	396 293	
65 and over	631 577	
Of age not reported	25 865	

IRRIGATION		
	Holdings reporting	Area irrigated (ha)
Total	1 984 045	2 930 029

EMPLOYMENT		
	Number of persons	
Holdings and members of their households engaged mainly in agricultural work:		
Total	5 455 184	
Male	2 144 465	
Female	3 238 930	
Not stated	71 789	
Hired permanent workers		
Total	348 297	
Male	187 528	
Female	155 424	
Not stated	5 345	

LAND USE		
	Number of holdings	Area (ha)
Total Land	4 822 739	9 670 793
Agricultural land	5 012 665	9 290 250
Cropland	4 998 070	9 160 972
Arable land	3 293 399	4 935 579
Permanent crops	1 704 671	4 225 393
Perm. meadows/pastures	14 595	129 278
Wood or forest land	19 026	73 865
All other land	2 543 224	306 678

TEMPORARY CROPS		
	Holdings reporting	Area planted (ha)
Rice (Palay)	2 149 971	3 922 522
Maize	1 458 446	2 439 067
Sugarcane	167 186	344 671
Tuber, Bulb, Root crops	1 364 276	277 153
Fruit bearing vegetables	1 088 913	92 220

PERMANENT CROPS		
	Holdings reporting	Number of Trees
Abaca	103 671	59 736 105
Bananas	2 273 834	169 845 231
Bananas	2 273 834	169 845 231
Coconuts	2 598 225	320 007 057
Coffee (Robusta)	96 422	42 276 333
Grapes	2 211	59 991
Oranges	63 176	1 037 998
Pineapples	124 940	161 167 670
Strawberries	1 620	6 601

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	924 628	2 329 383
Carabaos	1 525 195	2 805 941
Horses	228 013	328 862
Pigs	2 058 951	8 572 977
Goats	659 772	2 106 768
Chickens	3 465 232	126 705 576
Quails	15 161	4 398 701
Pigeons	3 603	66 068
Ducks	429 700	11 171 949
Beehives	11 251	-
Hearth-worm culture	5 746	-
Cocoons	7 788	-

POLAND - Agricultural Census 2002 - Explanatory Notes

Historical outline

The Agricultural Census 2002 was conducted together with the National Population and Housing Census 2002.

Organization

The census was conducted by the Central Statistics Office with its President as the General Census Commissioner.

Enumeration period

The enumeration period took place from 21 May to 8 June 2002.

Reference date/period

The reference period for labour contribution to agricultural holdings was 12 months previous to survey.

Definition

- **Agricultural Holding:** Is an agricultural area, including forest land, buildings, equipment and stock if they constitute or may constitute an organised economic unit as well as rights and obligation related to running a holding.
- **Private farm:** An agricultural holding from 0.1 ha of agricultural land, being exclusive property or used by natural person or group of persons.
- **Owner of livestock:** A person having less than 0.1 ha of agricultural land or nothing but having at least 1 head of cattle, or/and 5 head of pigs, 1 sow, 3 head of sheep or goats, 1 horse, 30 head of poultry, 5 females of fur animals.

Coverage

The Census was conducted in the whole country and it covered private farms, natural persons owning livestock and other agricultural holdings managed by legal persons or units without legal personality.

Frame

The list of private farms was prepared on the framework of the statistical tax register which was updated during pre-census visits carried out by census enumerators and supplemented by the list of livestock owners. Index of agricultural holdings managed by legal persons and other units was established on the bases of Statistics Units Database.

Method

The enumeration was based on interviews. For those agricultural holdings which holders refused to participate or were out of contact, data were imputed.

Data source

Report on the Agricultural Census 2002. Central Statistics Office, Warsaw, Poland.

Contact

Central Statistical Office, 00-925 Warsaw, Al Niepodleglosci 208, Poland. Tel.: (+48) 22 608 3000, Information Centre: (+48) 22 608 3164, (+48) 22 608 3161; E-mail: dane@stat.gov.pl.

Website

<http://www.stat.gov.pl/english/index.htm>

<http://www.stat.gov.pl>

POLAND - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	2 933 000	19 324 800

NUMBER AND AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	2 933 000	19 324 800
< 0.1 ha of agricultural area	19 700	6 700
0.1 - 0.2 ha	213 400	48 500
0.2 - 0.5 ha	411 300	184 300
0.5 - 1 ha	332 700	297 900
1 - 2 ha	517 000	892 300
2 - 3 ha	281 100	831 200
3 - 5 ha	348 600	1 603 800
5 - 7 ha	216 800	1 503 100
7 - 10 ha	210 000	2 002 100
10 - 15 ha	182 700	2 509 900
15 - 20 ha	83 900	1 616 800
20 - 30 ha	64 300	1 713 300
30 - 50 ha	31 700	1 290 300
50 - 100 ha	12 400	937 500
100 - 200 ha	3 400	517 700
200 - 300 ha	1 100	307 100
300 - 500 ha	1 300	547 000
500 - 1 000 ha	1 100	819 300
1 000 ha >	600	1 696 000

HOLDERS AND HOUSEHOLD MEMBERS BY SEX		
	Number of holders	
Total	10 474 500	-
Male	5 280 600	-
Female	5 193 900	-

LAND USE		
		Area (ha)
All land	-	19 324 800
Agricultural land	-	16 899 300
Cropland	-	13 337 500
Arable land	-	13 066 500
Permanent crops	-	271 000
Permanent mead./pastures	-	3 561 800
Wood / forest land	-	1 201 200
All other land	-	1 224 300

TEMPORARY CROPS		
		Area (ha)
Cereals	-	8 293 690
Pulses	-	45 415
Potatoes	-	803 385
Industrial plants	-	757 497

LIVESTOCK		
		Head/units
Cattle, total	-	5 532 728
< 1 year		
Total	-	1 384 379
Male	-	631 784
Female	-	752 595
1 - 2		
Total	-	1 083 309
Male	-	453 365
Female	-	629 944
2 >		
Total	-	3 065 040
Male	-	50 616
Female	-	3 014 424
Sheep, total	-	345 280
< 1 year	-	109 064
1 >	-	236 216
Goats	-	193 355
Pigs	-	18 628 910
Horses	-	329 533
Rabbits	-	870 351
Fur animals	-	257 261
Poultry	-	198 783 484
Beehives	-	562 446

PORTUGAL - Agricultural Census 1999 - Explanatory Notes

Historical outline

The first agricultural census in Portugal was conducted in 1952/54; the second in 1968, the third in 1979 and the fourth in 1989. In the autonomous region of Azores agricultural censuses were conducted in 1964, 1977 and 1985, while in the autonomous region of Madeira censuses were carried out in 1964, 1977 and 1986. The latest Agricultural Census, to which data reported here refer, was conducted in the whole country in 1999.

Organization

The National Institute of Statistics (INA) was the responsible institution for the organization and management of the General Census of Agriculture 1999 (RGA99). In Portugal mainland the regional offices of the Ministry of Agriculture worked in collaboration with the INA Regional Statistical Offices. In the autonomous region of Azores the census was carried out by the Azores Regional Statistics Service, while the Madeira Regional Statistical Office was responsible for organizing and conducting the census in that autonomous region. In order to decentralize the census operations, two Regional Commissions were created in each Agrarian Region, one to make decisions, the other to operate at executive level. The Commissions included experts from both INA Regional Statistical Offices and from the Regional Offices of the Ministry of Agriculture. The "Conselho Superior de Estatística (CSE)" formed an Advisory Committee including experts from the National Institute of Statistics (INA), the Ministry of Agriculture, Rural Development and Fisheries, the Country Farmers Union, The National Municipalities Association, the Regional Governments of the Autonomous Regions and the Trade Unions.

Enumeration period

The fifth General Census of Agriculture was conducted between October 1999 and March 2000.

Reference date/period

The reference period was the agricultural year 1998/99 (1 November 1998 to 31 October 1999).

Definition

Agricultural holding is a techno-economic unit of agricultural production satisfying at least one of the following conditions:

- Reporting at least 1 ha of agricultural land (*Superfície Agrícola Utilizada, SAU*).
- Reporting at least one of the following: 0.05 ha of flowers or greenhouses or nurseries; 0.1 hectares of specialized cultures; 0.2 ha of industrial crops or orchards; 0.5 ha under potatoes or under other crops extensively cultivated.
- Reporting at least one of the following: 1 breeding bull; 1 cow; 2 head of cattle two years old; 3 pigs for fattening; 1 swine; 6 sheep or goats; 10 female rabbits; 100 chickens or other fowls; 10 beehives.
- Reporting a certain livestock production for the 1998/99 agricultural seasons.

Coverage

The census covered the entire country, i.e. Portugal Mainland and the insular regions of Azores and Madeira.

Frame

In the first phase, lists of holders were prepared using as source administrative records. In the second phase, lasting from 1 March to 15 May 1999, the lists were checked and updated by enumerators.

Method

A Pilot Survey was conducted on a sample of 3 450 agricultural holders during November 1998, which was followed by a complete enumeration census; data were collected by enumerators through direct interview.

Data source

Recenseamento Geral da Agricultura 1999, Principais Resultados 2001. Instituto Nacional de Estatística, Portugal.

Contact

- Instituto Nacional de Estatística - Av. António José de Almeida 1000-043 Lisboa. Tel.: (+351) 218 426 100; Fax: (+351) 218 426 380; E-mail: ine@ine.pt.
- Departamento de Estatísticas da Agricultura e Pescas, Núcleo de Estatísticas de Base. Tel.: (+351) 218 426 116; Fax: (+351) 218 426 359.

Website

<http://www.ine.pt/index.htm>

PORTUGAL - Agricultural Census 1999 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	415 969	5 188 955

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	415 969	5 188 955
without agricultural land	3 357	4 601
< 1 ha of agricultural area	108 445	141 785
1 - 2 ha	115 272	331 130
2 - 5 ha	100 715	544 666
5 - 10 ha	42 123	446 878
10 - 20 ha	23 064	502 468
20 - 50 ha	13 088	506 326
50 - 100 ha	4 126	360 662
100 ha >	5 779	2 350 607

FRAGMENTATION		
	Number of holdings	
Holdings reporting parcels	412 612	-
1 parcel	84 291	-
2	60 859	-
3	49 458	-
4 - 5	73 107	-
6 - 9	76 720	-
10 - 19	51 941	-
20 parcels and more	16 236	-

LEGAL STATUS		
	Number of holdings	Agricultural area (ha)
Total	415 969	3 863 195
Civil person	409 308	3 052 446
Corporation	5 503	666 251
Cooperative	295	70 697
Government	331	38 651
Other	532	35 150

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	3 863 195
Owned	-	2 797 300
Rented	-	867 474
Other forms of tenure	-	198 421

HOLDERS BY SEX		
	Number of holders	
Total	409 308	-
Male	314 254	-
Female	95 054	-

HOLDERS BY AGE		
	Number of holders	
Total	409 308	-
15 - 24 years	1 543	-
25-34	15 480	-
35-44	46 768	-
45-54	79 817	-
55 >	265 700	-

HOLDER'S HOUSEHOLD MEMBERS		
	Number of persons	
Total	1 236 214	-
Male	624 196	-
Female	612 018	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	489 308	-
Fully engaged	43 246	-
Partially engaged	446 062	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	46 599	-

LAND USE		
	Number of holdings	Area (ha)
All land	415 969	5 188 955
Agricultural land	-	3 863 195
Cropland	-	2 473 320
Arable land	351 402	1 761 672
I. under temporary crops	-	1 177 305
land temporarily fallow	-	562 710
all other arable land	-	21 657
Permanent crops	342 918	711 648
Permanent mead./pastures	101 772	1 389 875
Wood / forest land	201 089	1 008 361
All other land	-	317 399

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	19 661	220 271
Rye	39 761	48 705
Barley	5 591	24 517
Oats	23 071	84 364
Millet	105 530	163 693
Sorghum	830	7 111
Rice	2 180	25 113
Dry beans	83 679	12 465
Potatoes	181 588	50 196
Tobacco	506	2 292
Sunflower	2 726	50 154
Linseed	631	16 374

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples	35 476	19 880
Pears	22 109	11 803
Cherries	7 867	4 586
Peaches	18 347	6 599
Figs	13 342	5 895
Oranges	44 124	17 914
Lemons	5 414	709
Tangerines	9 330	4 127
Grapefruit	194	12
Bananas	7 774	1 154
Pineapples	291	67
Avocados	552	175
Almonds	24 522	36 513
Chestnuts	22 660	27 676
Walnuts	5 203	2 707
Olives	159 129	335 029
Vines	246 934	215 046

LIVESTOCK		
	Holdings reporting	Head/units
Cattle, total	102 457	1 415 188
Sheep	71 203	2 929 765
Goats	55 014	537 241
Pigs	132 630	2 418 426
Horses	17 012	41 469
Mules	15 582	17 244
Asses	32 616	37 758
Rabbits (Females for breeding)	82 684	338 331
Chickens for meat	162 687	25 928 167
Laying hens	235 276	11 980 332
Duks/Geese/Guinea Fowls	51 634	770 512
Turkeys	14 086	1 263 076
Beehives	15 126	233 781

PUERTO RICO - Agricultural Census 2002 - Explanatory Notes

Historical outline

The first Census of Agriculture was conducted in Puerto Rico in 1910. The 2002 Census of Agriculture, to which data here refer, is the 15th conducted in the country.

Organization

The 2002 Census of Agriculture of Puerto Rico was conducted in accordance with a Cooperation Agreement signed between the NASS, the Puerto Rico Department of Agriculture and the University of Puerto Rico Extension Service. The NASS is the National Agricultural Statistics Service of the United States Department of Agriculture (USDA) to which, through the 1997 Appropriations Act, the responsibility for organizing the Agricultural Censuses was transferred from the US Bureau of the Census.

Enumeration period

The enumeration took place during 1 January to 31 December 2002.

Reference date/period

The 2002 Census of Agriculture is the first census conducted with the same reference period of the United States: the reference date for inventory items is 31 December 2002; while for other data is the calendar year 1 January to 31 December 2002.

Definition

Farm operator is the person who operates the farm, either doing the work or making day-to-day decisions about planting, harvesting, feeding, marketing and other similar activities. This person might be the owner, a member of owner's household, a hired manager or a tenant.

Coverage

- Geographically, the agricultural census covered the entire country.
- Statistically, the combined information extracted from the Census Mail List (CML) and the Area Sample Survey, which was conducted to identify the farms not listed on the CML, resulted on a complete coverage of all farms.

Frame

The List Frame, reporting all known operational farms, was compiled in a pre-census stage using the list of active farms extracted from the 1998 Census of Agriculture, together with lists of farmers provided by the Puerto Rico Department of Agriculture and, in addition, names and addresses of operational farms identified through a screening of the Area Frame. After the identification of duplicate records (i.e. those reported in more than one list), a final list of active operational farms was developed.

Method

The census was conducted using a multiple frame approach, consisting of a List Frame and an Area Frame. To every address, excluding some special records, a Census Report Form was mailed and, in case of no response, a second Report Form was subsequently mailed. Those farms which did not respond by mail were visited by enumerators from the Department of Agriculture.

Data source

Census of Agriculture 2002 (Vol. I), Geographic Area Series, Part 52. Puerto Rico.

Contact

United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), IBM Plaza, Suite 604, 654 Munoz Rivera Ave, Hato Rey, PR 00918-4123. Tel.: 800 727 9540, (+202) 720 3878;
E-mail: nass@nass.usda.gov.

Website

<http://www.pr.nrcs.usda.gov/contact>
<http://www.nass.usda.gov>

PUERTO RICO - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	17 659	271 440

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	17 659	271 440
Under 3.93 ha	7 943	13 361
3.93 and under 7.86 ha	3 847	20 678
7.86 and under 19.65 ha	3 228	37 970
19.65 and under 39.30 ha	1 282	34 302
39.30 and under 68.78 ha	590	30 784
68.78 and under 102.18 ha	281	23 578
102.18 ha and over	488	110 767

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	17 659	271 440
Civil persons	16 005	217 329
Corporation	595	38 847
Others	1 059	15 264

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	17 659	271 440
Under one form of tenure	15 329	183 299
Owned	13 693	144 027
Rented	1 636	39 272
More than one form of ten.	2 330	88 141

HOLDERS BY SEX		
	Number of holders	
Total	17 659	-
Male	16 105	-
Female	1 554	-

HOLDERS BY AGE		
	Number of holders	
Total	17 659	-
under 25 years of age	21	-
25 to 34	873	-
35 to 44	2 001	-
45 to 54	3 672	-
55 to 64	5 477	-
65 and over	5 615	-

HIRED WORKERS		
	Holdings reporting	Number of persons
Total	7 277	31 736

LAND USE		
	Number of holdings	Area (ha)
All land	17 659	271 440
Agricultural land	-	221 271
Cropland	16 912	178 199
Permanent mead./pastures	5 096	43 072
Wood or forest land	3 825	25 530
All other land	10 325	24 639

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Cabbage	57	64
Cassava (Manioc)	318	101
Cucumbers	153	144
Dasheens	703	409
Edible dry beans	87	27
Eggplant	82	122
Green beans	440	296
Pigeon peas	477	427
Pumpkins	743	1 587
Sugarcane	-	811
Sweet peppers	495	234
Sweet potatoes	220	253
Taniers	785	288
Tomatoes	55	273
Watermelons	44	337
Yams	995	574

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Avocados	1 217	447
Citrons	118	226
Coconuts	200	105
Grapefruits	1 313	198
Lemons and Limes	311	50
Mangoes	254	1 048
Oranges	3 972	2 884
Papayas	170	252
Passion Fruit	123	22
Soursops	240	17

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	4 034	281 371
Pigs	1 170	87 490
Sheep	641	19 749
Goats	541	8 110
Horses	1 600	11 011
Chickens (for egg prod.)	625	1 866 632
Rabbits	395	67 691
Beehives	93	2 466

MACHINERY AND EQUIPMENT		
	Holdings reporting	Units
Wheel tractors	1 345	2 739
Track-laying tractors	235	284
Coffee depulpers	622	680
Milking machinery	354	3 699
Emergency electric generators	1 174	1 360

QATAR - Agricultural Census 2000/01 - Explanatory Notes

Historical outline

The Agricultural Census, to which data presented here refer, was conducted in 2000/01.

Organization

The Department of Agriculture and Water Research of the Ministry of Municipal Affairs & Agriculture of the State of Qatar were entrusted with the organization and implementation of the 2001/2002 Census of Agriculture. For this purpose an Advisory Committee, chaired by the Director of Agriculture and Water Research Department, was established.

Enumeration period

Data were collected in two times: the first visit to the agricultural holdings took place in January to February 2000 where all data were gathered except the information related to summer crops as well as date palm and fruit trees. The second visit was conducted in May/June 2001: during this visit the data related to summer crops and permanent trees such as date palm trees and other trees fruits trees has been collected.

Reference date/period

General time reference for the census was the agricultural year September 2000 to August 2001.

Definition

Agricultural holding is an economic unit of agricultural production under single management, including all animals and all land used wholly or partially for agricultural production regardless to title, legal form, size or location. The holder could be one person, or more persons or families, or a legal person, or a cooperative or a tribe. The holding may consist of one parcel or more than one parcel, in which case the production means such as workers, buildings or machinery should be common to all parcels.

- Statistically, the census covered all holdings practicing agriculture, plus livestock holdings reporting at least, as minimum size:
 - One cow or one camel;
 - Five head of sheep or goats;
 - Fifty head of poultry.

Coverage

Geographically, the census covered the entire country. Hunting and game breeding farms, forestry and fishery farms, agricultural services, livestock trading establishments and walled fields around water wells, were excluded from the agricultural census.

Frame

The frame was designed during the preparatory stage of the census, lasting from April to December 2001. Availability of digital information on land is ensured by the Qatar's Centre for Geographic Information Systems (CGIS, Doha).

Method

During the preparatory stage a pilot census was carried out, aimed to finalize and make tests on census questionnaires, supervisor and enumerator manuals, staff training booklets, time schedule, transportation means, etc. Complete enumeration of holdings was then conducted. Data were collected through direct interview of the farm holders. Objective measurements techniques were applied to determine the areas of different crops and the number of permanent trees.

Data source

Agricultural Census 2000/01 Doha, Qatar, February 2002. Ministry of Municipal Affairs & Agriculture, Department of Agriculture and Water Research, State of Qatar.

Contact

Ministry of Municipal Affairs & Agriculture, Department of Agriculture and Water Research, P.O. Box 1967, Doha, Qatar. Tel.: (+974) 449 2777; Fax: (+974) 441 0526.

Website

<http://www.mmaa.gov.qa>

QATAR - Agricultural Census 2000/01 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	3 553	42 328

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	3 553	42 328
< 0.1 ha	900	44
0.1 - 0.2 ha	479	69
0.2 - 0.5 ha	714	213
0.5 - 1 ha	351	221
1 - 2 ha	189	246
2 - 3 ha	91	217
3 - 4 ha	78	265
4 - 5 ha	43	189
5 - 10 ha	148	1 047
10 - 20 ha	157	2 276
20 - 50 ha	211	6 750
50 - 100 ha	113	7 680
100 and over	79	23 113

LEGAL STATUS		
	Number of holdings	
Total	3 553	-
Civil persons	3 522	-
Corporation	5	-
Government	17	-
Other	9	-

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	3 553	42 328
Owned	939	36 835
Other forms of tenure	2 614	5 493

HOLDER'S HOUSEHOLD MEMBERS		
	Number of persons	
Total	31 933	-

PERMANENT WORKERS		
	Number of persons	
Total	12 175	-
Male	12 085	-
Female	90	-

TEMPORARY WORKERS		
	Number of workers	
Total	256	-

PERMANENT CROPS		
	Number of trees/plants in compact plantation	No. of scattered trees/plants
Oranges	11 119	303
Mulberry	1 769	2 678
Figs	3 909	3 814
Grapefruit	525	216
Guavas	3 508	1 661
Pomegranate	3 848	4 171
Olives	3 864	1 607
Clementines	1 309	35
Kanar	4 774	11 868
Indian almonds	3 165	9 027
Lemons	23 706	5 573
Mangoes	284	407
Bananas	1 730	659
Dates	402 648	116 999

LAND USE		
		Area (ha)
All land	-	42 328
Agricultural land	-	6 020
Cropland	-	4 542
Arable land	-	2 608
Permanent crops	-	1 934
Permanent mead./pastures	-	1 479
All other land	-	36 308

TEMPORARY CROPS		
		Area (ha)
Wheat	-	12
Maize	-	121
Barley	-	1 306
Other cereals	-	262
Alfalfa	-	904
Beet root	-	8
Cabbages	-	65
Carrots	-	20
Cauliflower	-	65
Corchoru	-	13
Coriander	-	31
Cowpeas	-	8
Cucumber	-	7
Dy onions	-	36
Eggplant	-	132
Gardenrock	-	19
Gourds	-	74
Green beans	-	10
Green onions	-	61
Hot pepper	-	42
Lettuce	-	28
Okra	-	64
Other vegetables	-	71
Parsley	-	14
Pumpkins	-	41
Radish	-	31
Rodes	-	745
Snake cucumber	-	17
Squash	-	153
Sweet pepper	-	11
Sweetmelons	-	54
Swisschard	-	13
Turnips	-	13

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	514	9 671
Sheep	1 804	149 798
Goats	2 223	139 513
Camels	1200	32 829
Horses	-	1 415
Mules/Asses	-	668
Deer	-	7 206
Rabbits	-	7 641
Beehives	-	1 754
Chickens	1 739	2 238 419
Turkeys	-	1 345
Duks	-	12 266
Geese	-	6 408
Quails	-	1 265
Doves	-	274 363
Ethiopian poultry	-	2 235
Other fowls	-	3 777

REUNION - Agricultural Census 2000 - Explanatory Notes

Réunion is part of the French territory, and for statistical purposes it is recorded in the Data Bank at country level in the African Region. Consequently, results related to France bear only upon the territory of France in Europe (France Métropolitaine).

Historical outline

The 2000 Agricultural Census is the third conducted in Réunion after the 1980/81 and 1988/89 ones.

Organization

The census was organized by the Statistical Services of the French Ministry of Agriculture and Fisheries through the Departmental Services of Agriculture and Forestry, Regional Services of Agriculture and Forestry, and the Central Service of Statistical Surveys and Studies.

Enumeration period

Data collection began in October 2000 and lasted for four months.

Reference date/period

For land use: from 1 November 1999 to 31 October 2000. For livestock numbers: the reference date was the day of enumeration.

Definition

- **Exploitation Agricole** (Agricultural holding): is an economic unit of agricultural production under single management, reaching minimum limits in terms of size or agricultural production, such as:
 - 1 ha of agricultural area in use (SAU), or
 - 20 acres (1 acre = 0.40469 ha) of specialized crops, or
 - A sufficient agricultural production, estimated either in productive area (e.g. 10 acres of bananas of export varieties, 10 acres of sugarcane etc.) or in number of animals (e.g. 10 cows, 10 bee-hives etc.).
- **Le Siège de l'exploitation** (Holding's headquarters) is the place where the holding is located, consisting of holding's main buildings or, in defect, of its largest parcel.
- **Les Actifs Agricoles** (Agricultural workers) consist of family workers and of paid permanent and temporary/seasonal workers.
- **Les Actifs Familiaux** (Family workers) include the holding's head of household and household members having an agricultural activity on the holding.

Coverage

The census covered the entire country.

Frame

In the first half of 1988, a list of agricultural holdings, based on the list prepared for the previous census, was established in each municipality and used as frame.

Method

Complete enumeration of holdings was conducted through direct interview of heads of household.

Data source

Agreste n.03 Août 2002, France Recensement Agricole 2000. Les Départements d'Outre-Mer (DOM) – Réunion, Premiers Résultats.

Contact

- Direction de la Agriculture et de la Forêt (DAF). Service de Statistique Agricole. Parc de la Providence, 97489 Saint Denis De La Réunion. Information Statistiques, Economique et Géographique. Tel.: (+262) 308 989; Fax: (+262) 308 999; E-mail : daf.reunion@agriculture.gouv.fr.
- Ministère de l'Agriculture et de la Pêche. Centre de documentation et d'information agricole (CDIA). Tel.: (+33) 1 495 585 85; Fax: (+33) 1 495 585 03; E-mail: scees-cdia@agriculture.gouv.fr.

Website

<http://www.agreste.agriculture.gouv.fr>

REUNION - Agricultural Census 2000 - Main Results

NUMBER AND AGRICULTURAL AREA OF HOLDINGS

	Number of holdings	Area (ha)
Total	9 387	43 691

NUMBER AND AGRICULTURAL AREA OF HOLDINGS BY SIZE

	Number of holdings	Area (ha)
Total	9 387	43 691
Under 1 ha	2 246	820
1 - 2 ha	1 679	2 172
2 - 5 ha	2 769	8 536
5 - 10 ha	1 988	12 927
10 - 20 ha	485	6 359
20 ha and over	220	12 877

TENURE OF AGRICULTURAL LAND

	Area (ha)
Total agricultural area	43 691
Owned	25 267
Rented from others	18 424
For an agreed amount of money/produce	15 808
For a share of produce	2 616

HOLDERS BY AGE

	Number of holders
Total	9 387
Under 40 years	3 583
40 to 49 years	2 771
50 to 64 years	2 728
65 years and over	305

EMPLOYMENT IN AGRICULTURE

	Number of persons
Household members engaged in agricultural work	14 854

LAND USE

	Area (ha)
Agricultural land	43 700
Cropland	34 300
Arable land	28 300
Permanent crops	2 500
Other cropland	3 500
Land under permanent meadows/pastures	9 400

TEMPORARY CROPS

	Holdings reporting	Area (ha)
Sugarcane	4 777	29 037
Flowers	307	750

PERMANENT CROPS

	Holdings reporting	Area (ha)
Bananas	458	1 746
Pineapples	-	200

LIVESTOCK

	Holdings reporting	Number of head
Cattle, of which:	-	27 100
Cows for milk production	230	4 394
Cows for meat production	912	7 156
Sheep	57	1 513
Goats	1 787	21 594
Pigs	879	76 873
Chickens	3 838	2 068 059
Horses	-	500

ROMANIA - Agricultural Census 2002 - Explanatory Notes

Historical outline

No General Census was carried out since 1948. The Agricultural Census 2002 was conducted by the National Statistics Institute and the Ministry of Agriculture as part of the National Program of Agricultural Statistics. The census was based on FAO and Eurostat recommendations.

Organization

The census was conducted by the Central Statistics Office with its President as the General Census Commissioner. Approximately 40 000 enumerators were recruited trained and entitled to operate in the field work.

Enumeration period

Data collection was done during 26 working days within the two months period: 2 December to 31 January.

Reference date/period

The reference period for land use and irrigated areas was the agricultural year (October 2001 to September 2002). The data on legal status, livestock, and agricultural constructions referred to 1 December 2002, the reference date for the census. The data on labour force referred to the last 12 months (from November 2001 to December 2002).

Definition

The Survey Unit was defined as: "a technical-economic unit of agricultural production, consisting of one or more plots, even non-contiguous or located in different municipalities, utilised entirely or partially for agriculture production, operated by a holder (head of the household, physical person, company or public body) that carries out the activity under single administration and is assuming the risk of management, alone or together with others, regardless the size of land, the number of animals or the contribution to agricultural production".

Coverage

The Census was conducted in the whole territory of Romania, including rural and urban areas

Frame

Each locality was provided by the National Institute of Statistics with the list of survey units located in its area of responsibility, based on the information contained in the Agricultural Registers kept at the level of each commune, town and municipality.

Method

The census was conducted through complete enumeration. It was based on direct interviews conducted by enumerators for civil persons and by self-registration for the units with legal status, under the direct supervision of the chief enumerator.

Data source

Recensământul General Agricol. Rezultate Preliminare 2003. Institutul National de Statistica. Bucuresti Romania.

Contact

Institutul National de Statistica, B-dul. Libertatii 16, Bucuresti, sector 5, Romania. Tel.: (+40) 21 318 1871, (+40) 21 317 7770; Fax: (+40) 21 312 4875, (+40) 21 318 1873; E-mail: romstat@insse.ro, datestat@insse.ro.

Website

<http://www.insse.ro>

ROMANIA - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Agricultural area (ha)
Total	4 759 698	13 939 473

LEGAL STATUS		
Holdings operated by:	Number of holdings	Agricultural area (ha)
Total	4 759 698	13 939 473
Civil Persons	4 736 587	7 715 633
Other	23 111	6 223 840

LAND USE		
		Area (ha)
Agricultural land	-	13 939 473
Cropland	-	9 304 842
Arable land	-	8 960 950
Permanent crops	-	343 892
Permanent mead./pastures	-	4 634 631

LIVESTOCK		
		Head/units
Cattle	-	2 864 931
Sheep	-	7 220 849
Goats	-	737 173
Pigs	-	8 229 347
Horses, Mules, Asses	-	909 238
Poultry	-	82 086 652
Beehives	-	770 923

SAINT KITTS AND NEVIS - Agricultural Census 2000 - Explanatory Notes

Historical outline

The 2000 Agriculture and Fisheries Census is the fifth conducted in St. Kitts and Nevis. Prior to the 2000 census, censuses were conducted in 1987, 1975, 1961 and 1946.

Organization

The Planning Unit (PU) of the Ministry of Finance, St. Kitts, in collaboration with the Ministries of Agriculture, Land, Housing, Co-operatives and Fisheries of St. Kitts (MAFCLH) and Nevis ((MALHCF), were responsible for the coordination and conduct of the census. The Director of Agriculture, St. Kitts, was designated as the National Census Project Coordinator (NCPC). He formed the National Coordinating Committee (NCC) responsible for the management and coordination of the census. Other members of the NCC were the Census Officer, the Deputy Census Officers of St. Kitts and Nevis, the Director of Agriculture and the Business Development Officer of Nevis. Since the management and processing of the 2000 census occurred separately on St. Kitts and Nevis, two Central Processing Units were formed. A Census of Agriculture and Fisheries Steering Committee (CAFSC) was formed, to advise the NCC and approve methodologies and procedures. Technical assistance was provided by the Food and Agriculture Organization of the UN. Nearly 117 enumerators, drawn mainly from the staff of the PU and MAFCLH, worked in St. Kitts under the direction of 22 supervisors, while 31 enumerators and 7 supervisors, from the MALHCF and from the Ministry of Education, worked in Nevis.

Enumeration period

The census was conducted from 16 May to 9 June 2000 with follow-up visits through the end of July.

Reference date/period

The reference year for the census was the agricultural year (1 May 1999 to 30 April 2000).

Definition

The agricultural holding is considered an economic unit of agricultural production satisfying, at the day of enumeration, at least one of the following minimum specifications:

- one head of cattle or one donkey or horse;
- two head of pigs, sheep, goats (or one head of any two);
- A flock of at least 10 fowls or rabbits;
- 10 or more bearings of any tree crops, bananas or plantains or fruit trees;
- 400 square meters of land under vegetables, provision, food or cash crops.

Coverage

Geographically, the census covered the entire country.

Frame

Since there was no list of holdings, it was necessary to visit every household to identify the agricultural holdings; separate listing books were prepared for each enumeration district in St. Kitts and Nevis. The heads of household were asked whether anyone in their household would satisfy one or more of the criterion for an agricultural holding and the responses were recorded in the listing books. Lists of large and specialized farms were also prepared by the staff of MAFCLH and MALHCF. These lists were used to confirm that all these holdings were included in the census.

Method

The agricultural census was designed as a complete enumeration of all agricultural holdings in St. Kitts and Nevis.

Data source

Agriculture and Fisheries Census 2000, Preliminary Findings, January 2001. Ministry of Lands, Housing and Agriculture, Saint Kitts and Nevis.

Contact

Government of Saint Kitts and Nevis, Ministry of Lands, Housing and Agriculture, P.O. Box 186, Basseterre, Saint Kitts and Nevis. Tel.: (+1) 854 465 2521(Min); Fax: (+1) 854 465 5202.

SAINT KITTS AND NEVIS - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	3 066	6 369
With land	2 383	6 369
Without land	683	-

FRAGMENTATION		
	Number of parcels	
Total	2 705	-

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	3 060	6 369
Civil person	2 931	1 473
Corporation	110	121
Cooperative	7	411
Government	9	4 359
Other	3	5

TENURE OF LAND		
	Number of holdings	Area (ha)
Total holdings with land	2 383	6 369
Under one form of tenure	2 315	6 129
Owned	1 365	5 155
Rented	703	757
Other single forms of tenure	247	217
More than one form of tenure	68	240

HOLDERS BY SEX		
	Number of holders	
Total	3 046	-
Male	2 197	-
Female	849	-

HOLDERS BY AGE		
	Number of holders	
Total	3 046	-
< 15 years of age	2	-
15 - 24	114	-
25 - 34	456	-
35 - 44	814	-
45 - 54	605	-
55 - 64	401	-
65 >	654	-

LAND USE		
		Area (ha)
All land	-	6 369
Agricultural land	-	5 828
Cropland	-	4 827
Arable land	-	510
I. under temporary crops	-	392
I. temporarily fallow	-	118
Permanent crops	-	4 317
Permanent mead./pastures	-	1 001
Wood or forest land	-	367
All other land	-	174

TEMPORARY CROPS		
	Holdings reporting	
Maize	49	-
Sweet potatoes	328	-
Tomatoes	253	-
Cabbages	228	-
Sweet pepper	328	-
Groundnuts	169	-
Pigeon peas	63	-

PERMANENT CROPS		
	Holdings reporting	
Sweet oranges	196	-
Bananas	948	-
Plantains	62	-
Grapefruit	80	-
Limes	300	-
Avocados	328	-

LIVESTOCK		
	Holdings reporting	Head/units
Cattle		
Total	453	4 349
Male	-	1 331
Female	-	3 018
Pigs		
Total	728	4 880
Male	-	1 971
Female	-	2 909
Sheep		
Total	802	14 084
Male	-	3 990
Female	-	10 094
Goats		
Total	894	17 125
Male	-	4 856
Female	-	12 269
Horses	31	169
Asses	88	189
Chickens	415	25 710
Ducks	22	203
Turkeys	7	36
Other fowls	27	469
Rabbits	71	1 086
Beehives	10	95

SAINT LUCIA - Agricultural Census 1996 - Explanatory Notes

Historical outline

Previous agricultural censuses were conducted in 1950, 1961, 1973/74 and 1986.

Organization

The Ministry of Agriculture, Land, Fisheries and Forestry, in collaboration with the Central Statistical Office, was responsible for the organization of the census. The field work involved 176 enumerators, 30 supervisors, and 3 field coordinators.

Enumeration period

The field work was performed during the period 15 January to 15 March 1996.

Reference date/period

Census reference year was the calendar year 1995. Specific inventory items had the enumeration day as time reference.

Definition

Agricultural holding was defined as an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title and legal form.

The minimum size limits to qualify for coverage in the census were:

- 0.05 ha of any temporary crop;
- 10 bearing trees of any tree crop or 100 mats of banana or plantain;
- one head of cattle;
- 2 pigs or two goats or 2 sheep or one head of any of the two;
- 12 poultry or 12 rabbits or 12 head of poultry and rabbits together.

Coverage

The agricultural census covered the entire island.

Frame

Data from 1991 Census of Population, along with records from other sources, i.e. Ministry of Agriculture, Farm Associations, etc., were used for building the census frame.

Method

The agricultural census was organized on a complete enumeration basis. Data were collected through personal interviews.

Data source

Census of Agriculture 1996, Final Report proposed by the FAO Project TCP/STL/4552, August 1996. Saint Lucia.

Contact

Saint Lucia Government Statistics Department, Chreiki Building, Micoud Street, Castries, Saint Lucia.
E-mail: statsdept@candw.lc.

Website

<http://www.stats.gov.lc>
<http://www.slumaffe.org>

SAINT LUCIA - Agricultural Census 1996 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	13 366	20 770

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	13 366	20 770
Holdings without land	1 626	-
Under 2 ha	9 172	5 474
2 and under 4 ha	1 711	4 409
4 and under 10.1 ha	700	3 794
10.1 and under 20.2 ha	92	1 243
20.2 and under 40.5 ha	27	658
40.5 and under 80.9 ha	15	840
80.9 and under 202.3 ha	16	2 125
202.3 ha and over	7	2 227

FRAGMENTATION		
		Parcels
Total number of parcels	-	15 447

TENURE OF LAND		
		Area (ha)
Total	-	20 770
Owned	-	17 003
Rented	-	2 809
Other forms of tenure	-	958

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	24 173	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	7 419	-
Male	5 500	-
Female	1 919	-

LAND USE		
		Area (ha)
All land	-	20 770
Agricultural land	-	17 353
Cropland	-	15 784
Arable land	-	1 849
Permanent crops	-	13 935
Permanent mead./pastures	-	1 569
Wood or forest land	-	2 756
All other land	-	661

PERMANENT CROPS		
	Area in compact plantation (ha)	Number of trees/plants
Mangoes	10 629	126 073
Citrus	516	111 052
Avocado	256	36 687
Breadfruit	590	70 010
Bananas	7 751	14 365 484
Plantains	421	727 733
Coconut	4 825	667 644
Cocoa	317	312 688

LIVESTOCK		
		Number of head
Cattle	-	6 967
Pigs	-	14 688
Sheep	-	12 488
Goats	-	9 714
Chickens	-	99 682
Ducks	-	590
Turkeys	-	27

Historical outline

The Agricultural Census 2000 is the fifth conducted in St. Vincent and the Grenadines. Prior to the 2000 census, censuses were conducted in 1985/86, 1972, 1961 and 1946.

Organization

The Ministry of Agriculture and Labour (MAL) created an Agriculture Census Unit (ACU) to be responsible for the overall management and coordination of the Agricultural Census 2000. An Agricultural Census Steering Committee (ACSC) was formed to act as a national governing unit that would advise the MAL and approve methodologies and procedures. The Agriculture Census Coordinator and two Assistant Coordinators were recruited. Additional staff included the Data Processing Supervisor (from the Data Processing Department of the Ministry of Finance), and a Statistician from the Agriculture Planning Unit (APU). MAL staff served as supervisors, enumerators, coders and data entry personnel. As part of the FAO technical assistance, the FAO Regional Statistician, a National Statistician and an International Statistician, consultant in Data Processing, advised the ACU on technical and procedural issues. About 161 enumerators were hired. Some staff from the MAL and other public service agencies was also used as enumerators. The enumerators worked under the direction of 35 supervisors drawn mainly from the Extension Staff of the MAL. These supervisors were in turn supervised by three Regional Extension Supervisors.

Enumeration period

The census was conducted from 14 February to 31 March 2000. Follow-up visits were made, through the end of May, as required.

Reference date/period

The reference year for the census was the agricultural year (1 January 1999 to 31 December 1999).

Definition

The agricultural holding is considered an economic unit of agricultural production satisfying, at the day of enumeration, at least one of the following minimum specifications:

- one head of cattle or one donkey or horse;
- two head of pigs, sheep, goats (or one head of any two);
- a flock of at least 12 fowls or rabbits;
- 10 or more bearings of any tree crops, bananas or plantains;
- 500 square meters or more of vegetables, provision, food or cash crops.
- a raised stand or greenhouse of at least 18 square meters.

Coverage

Geographically, the census covered the entire country.

Frame

Agricultural holdings were identified through a listing form used by enumerators who visited every dwelling unit in the country. When an agricultural holding was identified, a census questionnaire was administered. Separate listing books were prepared for each enumeration district in St. Vincent and the Grenadines. The heads of household were asked whether anyone in their household would satisfy one or more of the criterion for an agricultural holding and the responses were recorded in the listing books. Lists of large and specialized farms were also prepared by the MAL Regional Extension Supervisors. These lists were used to confirm that all these holdings were included in the census. The Regional Extension Supervisors enumerated all large and specialized farms not identified through the listing procedures.

Method

The agricultural census was designed as a complete enumeration of all agricultural holdings in St. Vincent and the Grenadines.

Data source

National Agricultural Census 2000, Preliminary Results. Government of Saint Vincent and the Grenadines, Ministry of Agriculture and Labour.

Contact

- Ministry of Agriculture and Labour, Murray's Road, Kingstown, Saint Vincent and the Grenadines.
Tel. (+854) 456 1410; Fax: (+854) 457 1688.
- Ministry of Agriculture Forestry and Fisheries, Richmond Hill, Kingstown, Saint Vincent and the Grenadines.
Tel.: (+784) 456 1410, (+784) 456 1111; Fax: (+784) 457 1688; E-mail: office.agriculture@mail.gov.vc.

SAINT VINCENT AND THE GRENADINES - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	7 380	7 199

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	7 380	7 199
without land	876	-
< 0.2 ha	2 032	148
0.2 - 0.4 ha	732	169
0.4 - 1 ha	1 735	1 018
1 - 2 ha	1 102	1 477
2 - 4 ha	647	1 569
4 - 10.1 ha	187	968
10 - 20.2 ha	41	527
20.2 - 40.5 ha	19	535
40.5 ha and over	9	789

FRAGMENTATION		
	Number of parcels	
Total	8 258	-

LEGAL STATUS		
	Number of holdings	
Total	7 380	-
Civil person	7 353	-
Cooperative/Corporation	11	-
Government	14	-
Other	2	-

TENURE OF LAND		
		Area (ha)
Total	-	7 199
Owned	-	5 299
Rented	-	1 647
Other forms of tenure	-	253

HOLDERS BY AGE		
	Number of holders	
Total	7 346	-
< 15 years of age	12	-
15 - 24	299	-
25 - 34	1 054	-
35 - 44	1 943	-
45 - 54	1 583	-
55 - 64	1 192	-
65 >	1 134	-
not specified	129	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX AND AGE		
	Number of persons	
Total	29 794	-
Male	15 263	-
< 15 years of age	4 334	-
15 - 24	3 305	-
25 - 34	1 966	-
35 - 44	1 964	-
45 - 54	1 356	-
55 - 64	1 031	-
65 >	1 061	-
not specified	246	-
Female	14 531	-
< 15 years of age	4 243	-
15 - 24	3 064	-
25 - 34	1 961	-
35 - 44	1 860	-
45 - 54	1 318	-
55 - 64	897	-
65 >	978	-
Not specified	210	-

PERMANENT WORKERS		
	Number of workers	
Total	1 739	-
Male	1 280	-
Female	459	-

LAND USE		
		Area (ha)
All land	-	7 199
Agricultural land	-	6 025
Cropland	-	4 729
Arable land	-	1 707
I. under Temporary crops	-	1 080
fallow land	-	627
Permanent crops	-	3 021
Permanent mead./pastures	-	1 296
Wood or forest land	-	731
All other land	-	444

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Cabbages	515	53
Carrots	398	42
Dasheen	1 179	159
Eddoes	725	199
Groundnuts	229	52
Pigeon peas	700	66
Sweet pepper	382	25
Sweet potatoes	807	157
Tannias	713	63
Tomatoes	536	58
Yams	817	106

PERMANENT CROPS		
	Holdings reporting	Number of trees/plants
Avocados	1 051	6 631
Bananas	2 576	3 328 808
Coconut	2 249	71 105
Grapefruit	471	2 822
Guava	514	4 652
Limes	838	3 712
Mangoes	2 037	12 144
Oranges	1 121	13 998
Plantains	819	186 083
Papaw	390	1 781
Pineapples	116	139 306

LIVESTOCK		
	Holdings reporting	Head/units
Cattle, total	1 515	4 767
Male	-	1 402
Female	-	3 365
Sheep, total	2 139	10 038
Male	-	2 875
Female	-	7 163
Goats, total	2 193	9 554
Male	-	2 779
Female	-	6 775
Pigs, total	804	4 807
Male	-	1 868
Female	-	2 939
Horses	-	44
Asses	-	265
Rabbits	-	1 249
Chickens	-	65 920
Turkeys	-	131
Ducks	-	342
Other fowls	-	2 961
Beehives	-	42

SAMOA - Agricultural Census 1999 - Explanatory Notes

Historical outline

Samoa conducted its first census of agriculture in 1989. The second census was conducted in 1999.

Organization

The census was a joint undertaking of the Department of Statistics and the Ministry of Agriculture, Forests, Fisheries and Meteorology. The authority for the census rested with the Government Statistician. For the implementation of the census programme a Census Advisory Committee was formed, including the Government Statistician as the chairperson and representatives from important Ministries and the Representative of the FAO Sub Regional Office. The committee was in-charge for the approval of scope, coverage, methodology, questionnaires and manuals of the census, and for monitoring the progress of the work plan. About 230 temporary enumerators were recruited. Senior officers and extension officers from the Departments of Statistics and Agriculture acted as supervisors. Technical and financial support was provided by FAO under a project.

Enumeration period

The enumeration period goes from the third week of October to 30 November 1999.

Reference date/period

The general reference period was the calendar year from 1 January to 31 December 1999. However, for the purpose of the census, the reference period is from 1 January 1999 to the time of visit or day of enumeration. Reference dates/periods used for specific data items were: (1) the calendar year 1999; for number of holdings, mode of operation, use of fertilizers and pesticides, agriculture income, fishing and forestry: (2) for total area and crop production: the enumeration day and the calendar year 1999; and (3) for livestock and labour inputs: the enumeration day.

Definition

- **Household:** one or more persons who live together and have their meals together
- **Holding:** An agricultural holding is an economic unit of agricultural production under single management comprising of all livestock kept and all land used wholly or partly for agricultural production purposes, regardless to title, legal form or size.
- **Non-Agricultural household** is a household not engaged in any crop production.
- **Household with Minor Agricultural Activity** is the household managing less than 0.05 ha of land under garden crops or less than 20 coconuts, bananas or other tree crops.
- **Household with Subsistence Agriculture** is the household that produces crops but does not sell them
- Commercial holding is the one with the main purpose of production is sale.

Coverage

The census covered the entire country, including the Apia urban area.

Frame

A list of households in respect of each enumeration block in the country was prepared in 1997 for the Household Income and Expenditure Survey: this was used as a base for the updating. Several teams of officials updated the list all over the country; thereafter, maps were prepared for each enumeration area. In total, there were 863 census blocks in Samoa for which household lists and enumeration maps were prepared.

Method

The methodology was a combination of complete enumeration and sample survey. The first part involved all households (households identified as non-agriculture only being required to complete an abbreviated questionnaire). The second part of the questionnaire was designed to cover 25 percent of all agricultural holdings as identified in the first part, with selection made on systematic sample basis. Thus, while the Household Form was canvassed in respect of all households in the country, the Parcel Form was completed in respect of 25 percent of the agricultural holdings only. A Post Enumeration Survey, considered as an integral part of the Census, was carried out.

Data source

Census of Agriculture, Report 1999. Government of Samoa.

Contact

Samoa Statistics Department (SBS), Ministry of Finance, Level 1, Government Building (MFMII), P.O. Box 1151, Apia, Samoa. Tel.: (+685) 243 84; Fax: (+685) 246 75; E-mail: info.stats@mof.gov.ws.

Website

<http://www.spc.int/prism/Country/WS/stats>

SAMOA - Agricultural Census 1999 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	14 734	53 382

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	14 734	53 382
< 0.4 ha	1 022	206
0.4 - 1 ha	1 775	902
1 - 2 ha	4 693	5 954
2 - 4 ha	3 526	9 650
4 - 8 ha	2 302	12 220
8 - 20 ha	1 127	13 061
20 - 40 ha	220	5 541
40 ha and over	69	5 848

FRAGMENTATION		
	Number of parcels	
Total	35 317	-

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	14 734	53 382
Civil persons	14 729	53 240
Other	5	142

TENURE OF LAND		
		Area (ha)
Total	-	53 382
Owned	-	3 242
Rented	-	1 521
Other forms of tenure	-	48 619

HOLDERS BY SEX		
	Number of holders	
Total	14 778	-
Male	14 455	-
Female	255	-
Not specified	68	-

HOLDERS BY AGE		
	Number of holders	
Total	14 778	-
15 - 19 years	226	-
20 - 39	6 571	-
40 - 59	6 285	-
60 >	1 528	-
Not specified	168	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX AND AGE		
	Number of persons	
Total	164 217	-
Male	85 585	-
< 15 years	35 539	-
15 - 59	45 499	-
60 >	1 966	-
Female	78 632	-
< 15 years	32 484	-
15 - 59	41 028	-
60 >	5 120	-

HOUSEHOLD MEMBERS 15 YEARS OF AGE AND OVER WORKING ON THE HOLDING		
	Number of persons	
Total	10 241	-
Male	8 085	-
Female	2 131	-
Not specified	25	-

PERMANENT WORKERS		
	Number of persons	
Total	1 366	-
Male	1 184	-
Female	77	-
Not specified	105	-

LAND USE		
		Area (ha)
All land	-	53 382
Agricultural land	-	50 820
Cropland	-	48 289
Permanent mead./pastures	-	2 531
All other land	-	2 562

TEMPORARY CROPS		
	Holdings reporting	
Beans	4 193	-
Cassava	5 081	-
Cucumber	3 322	-
Eggplant	5 306	-
Groundnuts	794	-
Kava	4 087	-
Maize	468	-
Taamu	14 154	-
Taro	11 260	-
Tomatoes	4 747	-
Watermelons	559	-
Yams	11 926	-

PERMANENT CROPS		
	Holdings reporting	
Avocados	1 988	-
Bananas	14 508	-
Breadfruit	13 009	-
Cocoa	11 727	-
Coconut	13 889	-
Coffee	410	-
Grapefruit	856	-
Lemons	3 967	-
Limes	3 517	-
Mangoes	7 656	-
Oranges	3 133	-
Pineapples	5 671	-

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	5 673	27 883
Goats	121	1 993
Pigs	12 316	167 316
Horses	974	1 799
Chickens	14 207	431 090

SAUDI ARABIA, Kingdom of - Agricultural Census 1999 - Explanatory Notes

Historical outline

Three agriculture censuses were conducted in the Kingdom of Saudi Arabia in 1974, 1982, and in 1999 to which data here refer.

Organization

The 1999 Census of Agriculture was organized and conducted by the Economic Studies and Statistics Department of the Ministry of Agriculture and Water (MAW). Upon the approval of the MAW a Supervisory Committee was set up, chaired by the General Director of Economic Studies and Statistics Department and including representatives from the various sectors of MAW and from other concerned institutions. The Advisory Committee was defined mainly to review and follow up the execution of all the census stages, to make recommendations and to review data processing and output.

Enumeration period / Reference date

Data refer to the agricultural year 1 November 1998 to 31 October 1999. For livestock numbers, data refer to the day of enumeration.

Definition

- **Village or Agricultural Complex:** Are defined as geographical sites containing a number of agricultural holdings.
- **Agricultural Holding** (same as used in previous censuses) is an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form or size. Single management may be exercised by individual or household or other subjects such as specialized projects, establishments or companies.

Coverage

The census covered the agriculturally productive regions of the entire country.

Frame

During the preparatory phase of the census (see Methods), lists of the villages, complexes and agricultural holdings were set up. The census frame was defined as the list of villages and agricultural complexes, together with the number of their agricultural holdings. This classification was based on the approved administrative sub-divisions of the Kingdom. All MAW Directorates were requested to update the census frame by the end of 1998.

Method

The census was conducted by complete enumeration in the 13 Administrative Regions of the Kingdom and data were collected by enumerators through direct interview.

Prior to the census, a pre-test was conducted to evaluate the questionnaire before its final adoption and implementation.

The census included three phases:

- The preparatory phase;
- The fieldwork for data collection phase: divided, in turn, into two sub-phases – the first covering the regions of Riyadh, Qassim, Hail, Jauf, Tabuk, the Eastern Province and the Northern Borders Region and the second covering Makkah, Madinah, Baha, Asir, Jazan, and Najran Regions.
- The third phase included processing, input, analysis and dissemination of data.

Data source

Statistics of Agricultural Census by Kingdom's Regions 1999. Agricultural Research and Development Affairs, Department of Economic Studies and Statistics of the Ministry of Agriculture and Water, Kingdom of Saudi Arabia.

Contact

The Ministry of Agriculture and Water, P.O BOX: 9612, Yeddah 21432 Kindom of Saudi Arabia.

SAUDI ARABIA, Kingdom of - Agricultural Census 1999 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	242 267	4 046 446

FRAGMENTATION		
	Number of holdings	Number of parcels
Holdings reporting parcels	242 267	-
Holdings with:		
1 parcel	161 467	-
2 to 4	52 166	-
5 and more	28 634	-
Parcels, total	-	559 991

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	242 267	4 046 446
Civil persons	241 181	3 695 640
Corporation	197	301 916
Cooperative	2	1 005
Government	19	1 682
Other	868	46 204

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	242 267	4 046 446
Under one form of tenure	237 131	3 922 139
Owned	234 346	3 879 434
Rented	1 883	24 018
Other forms of tenure	902	18 687
More than one form of ten.	5 136	124 307

HOLDERS BY SEX		
	Number of holders	
Total	242 267	-
Male	240 399	-
Female	1 868	-

HOLDERS BY AGE		
	Number of holders	
Total	242 267	-
< 20 years of age	14 282	-
20 to 34	13 922	-
35 to 49	56 780	-
50 to 64	92 845	-
65 >	64 438	-

PERMANENT WORKERS		
	Number of persons	
Total	423 763	-
Male	410 142	-
Female	13 621	-

LAND USE		
		Area (ha)
All land	-	4 046 446
Cropland	-	2 064 244
Arable land	-	1 880 699
Permanent crops	-	183 545
All other land	-	1 982 202
of which:		
Area normally irrigated	-	1 191 351

TEMPORARY CROPS		
		Area (ha)
Wheat	-	483 865
Sorghum	-	155 420
Alfalfa	-	130 287
Carrots	-	30 224
Potatoes	-	16 426
Watermelon	-	14 072
Tomatoes	-	11 424
Okra	-	6 695
Millet	-	6 359
Melons	-	5 121
Eggplant	-	4 793
Maize	-	3 945
Onions, dry	-	3 589
Cucumbers	-	2 695
Haricot beans	-	2 208
Sesame	-	2 108
Pepper	-	1 975
Lettuce	-	1 182
Pumpkins	-	1 177
Cabbages	-	1 077
Squash	-	608
Goundnuts	-	17

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Date palm	111 551	2 178 472
Grapes	16 918	628 774
Pomegranates	22 293	455 061
Figs	13 645	453 877
Lemons	15 993	433 584
Oranges	6 236	386 316
Olives	5 681	317 135
Mandarins	4 126	275 060
Peaches	4 516	271 136
Apricots	5 133	207 229
Apples	1 608	181 945
Mangoes	1 114	73 450
Bananas	1 476	12 258
Henna	440	4 247
Coffee	800	1 444

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	14 748	280 513
Sheep	63 903	6 760 042
Goats	40 775	2 368 346
Camels		
Total	10 194	255 475
Male	-	58 903
Female	-	196 572
Horses		
Total	548	5 335
Male	-	2 901
Female	-	2 434
Poultry	7 011	225 309 915
Beehives	1 089	-

SENEGAL - Agricultural Census 1998/99 - Explanatory Notes

Historical outline

An Agriculture Survey was conducted in Senegal in 1960/61. Data presented here refer to the National Census of Agriculture conducted in 1998/99.

Organization

The Direction of Agriculture of the Ministry of Agriculture and Livestock organized and conducted the 1998/99 National Census of Agriculture. A National Seminar was held in Dakar from 25 to 27 March 1998, with the participation of several public and private agencies, to decide the scope and coverage of the Census. Central and Regional Services of the Direction of Agriculture were involved: 15 officers worked at central level, while at regional level there were 10 Agriculture Regional Inspectors, 26 Chiefs of Agricultural Sector, 27 bureau controllers, 76 field work controllers, 439 enumerators and 27 chauffeurs. Technical assistance was provided by FAO through the project "Recensement National de l'Agriculture et Système Permanent de Statistiques Agricoles". The project was funded by the Government of Netherlands, the United States Agency for International Development (USAID) and the Government of Senegal.

Enumeration period

The enumeration period lasted from June 1998 to January 1999.

Reference date/period

Data refer to the rainfall season (from June to November) of the agricultural year 1998/99.

Definition

- **Rural households/Menage agricole** is a household where at least one member is involved in any kind of crop production or livestock keeping as holder or manager (i.e. not simply as a hired worker).
- **Agricultural holding/Exploitation Agricole**: Is a household where at least one member is involved in any kind of crop production or livestock keeping as holder or manager (i.e. not simply as a hired worker).
- **Champ** is any piece of land surrounded by other land, water roads, forest, etc. not forming part of the holding (In the 2000 WCA Programme this definition corresponds to "Parcel").
- **Parcelle** is a piece of land on which a specific crop or crop mixture is cultivated. (In the 2000 WCA Programme, this definition corresponds to "Plot").

Coverage

The census covered all agricultural holdings practicing the rainfall (winter) agriculture in Senegal, with the exclusion of the agricultural holdings operating in urban areas, not identified during the 1997/98 Pre-Census. Geographically, the departments of Bignona, Oussouye and Ziguinchor in the region of Ziguinchor, and the district of Diattacounda in the department of Sedhiou, region of Kolda, were excluded from the census.

Frame

The frame of the 1998/99 Agricultural Census was identified during the Pre-Census undertaken in 1997. The starting point was the 1988 General Census of Population and Dwellings providing a list of villages and a series of maps for their identification. During the Pre-Census this list was corrected and updated. All agricultural holdings in the villages were identified among the Rural Households (See definitions above) and exhaustively enumerated. The country, administratively consisting of 10 Regions each one consisting, in turn, of 3 Departments was, for census purposes, divided into Enumeration Districts (DR), also called Enumeration Zones (ZD).

Method

A two-stage sampling method was applied, stratified at the first stage. A Department, if agriculturally homogeneous, corresponded to one stratum. For six Departments, consisting of several strata, a proportionate stratified random element sampling method was applied. Primary Sampling Units were the Enumeration Districts while Secondary Sampling Units were the Agricultural Holdings. A sample of 7 250 agricultural holdings was selected, corresponding to 1.66 percent, i.e. 1 holding out of 60. For the selected holdings direct interview of holders and objective measurements were carried out by enumerators.

Data source

Recensement National de l'Agriculture 1998/99, (Vol. 1 to 6), Septembre 2000. FAO Project GCP/SEN/048/NET "Recensement National de l'Agriculture et Système Permanent de Statistiques Agricoles". Ministère de l'Agriculture et de l'Elevage, République du Sénégal.

Contact

Agence Nationale de la Statistique et de la Démographie (ANSD), Rue de St. Louis x Rue de Diourbiel –Point E BP 116 Dakar RP Sénégal. Tel.: (+221) 338 692 139; (+221) 338 692 160; Fax: (+221) 338 243 615.

Website

http://harvestchoice.org/maps-etc/Senegal_1988-99_Vol%201.pdf; <http://www.fao.org>

SENEGAL - Agricultural Census 1998/99 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	437 037	1 877 684

NUMBER AND AREA OF HOLDINGS BY SIZE OF CULTIVATED LAND		
	Number of holdings	Area (ha)
Total	437 037	1 877 684
< 0.5 ha	46 579	12 166
0.5 - 1 ha	44 953	33 217
1 - 2 ha	72 226	106 628
2 - 3 ha	57 849	143 782
3 - 4 ha	47 413	164 653
4 - 5 ha	36 951	164 804
5 - 7 ha	51 052	302 905
7 - 10 ha	39 617	329 166
10 - 20 ha	34 326	458 886
20 ha and over	6 071	161 477

HOLDERS BY SEX AND AGE		
	Number of holders	
Total	437 036	-
Male	397 439	-
15 - 34	46 553	-
35 - 59	231 625	-
60 >	119 261	-
Female	39 597	-
15 - 34	4 273	-
35 - 59	22 432	-
60 >	12 892	-

HOLDERS AND HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	5 168 493	-
Male	2 582 962	-
Female	2 585 531	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	3 086 708	-
Male	1 690 156	-
Female	1 396 552	-

HIRED PERMANENT WORKERS		
	Number of persons	
Total	91 226	-
Male	70 493	-
Female	20 733	-

HIRED TEMPORARY WORKERS		
	Number of persons	
Total	196 190	-
Male	161 064	-
Female	35 126	-

TEMPORARY CROPS		
		Area (ha)
Millet	-	805 288
Groundnuts	-	528 381
Sorghum	-	204 901
Niebe	-	125 943
Maize	-	54 101
Rice	-	47 681
Watermelon	-	21 776
Cassava/Manioc	-	18 802
Bissap	-	11 591
Fonio	-	3 421
Sesameseed	-	2 544
Gombo (Okra)	-	1 775
Tomatoes	-	1 622
Sweet potatoes	-	65

LIVESTOCK		
		Head/units
Cattle, total	-	2 838 336
Male	-	823 618
< 2 years	-	213 156
2 - 4 years	-	267 119
4 years >	-	234 350
age not stated	-	108 993
Female	-	1 866 433
< 2 years	-	273 397
2 - 4 years	-	452 893
4 years >	-	1 140 143
Sex not stated	-	148 285
< 4 years	-	47 161
4 years >	-	101 124
Sheep, total	-	3 118 955
Male	-	922 381
< 1 year	-	489 585
1 year >	-	432 796
Female	-	2 196 574
< 1 year	-	601 256
1 year >	-	1 595 318
Goats, total	-	2 520 567
Male	-	654 339
< 1 year	-	381 997
1 year >	-	272 342
Female	-	1 866 228
< 1 year	-	544 884
1 year >	-	1 321 344
Pigs, total	-	26 656
Male	-	11 369
< 1 year	-	9 249
1 year >	-	2 120
Female	-	15 287
< 1 year	-	9 711
1 year >	-	5 576
Horses		
Total	-	438 405
Male	-	220 281
Female	-	218 124
Asses		
Total	-	375 404
Male	-	185 742
Female	-	189 661
Camels		
Total	-	1 844
Male	-	763
Female	-	1 081
Chickens	-	2 083 072
Ducks, Geese	-	102 984
Other fowls	-	44 760
Beehives	-	31 226

Historical outline

A complete enumeration agricultural census was conducted in 1960 which was followed by a sample survey in 1969. The data on agricultural structure were compiled through the population censuses in 1971, 1981, 1991 and 2002. Data here presented were compiled during the Census of Population, Households and Dwellings 2002, and thus the information on agriculture refers to only family holdings.

Organization

The Statistical Office of the Republic of Serbia is responsible for organizing, preparing and conducting the Census of Population, households and dwellings. The Ministry of Government Administration and Local Self-Management, the Office of Geodesy and other selected organizations are also involved in census operations

Enumeration period

The enumeration took place during 1 – 15 April 2002.

Reference date/period

The reference period was the census day, i.e., 31 March 2002.

Definition

A **family holding** is a household with at least 0.1 ha of cultivable land used at the time of the census, or a household with up to 0.1 ha of cultivable land being used in the time of the census and in minimum possession of:

- A cow and calf or a cow and heifer, or
- A cow and two fully grown heads of small livestock, or
- 5 fully grown sheep, or
- 3 fully grown pigs, or
- 4 fully grown heads of sheep and pigs together, or
- 50 heads of fully grown poultry, or
- 20 beehives.

Coverage

The operation covered agricultural farms of the resident population, which were on the territory of the Republic of Serbia without Kosovo and Metohia. Agricultural enterprises and cooperatives (legal units) involved in agricultural production were not covered. Legal units of agricultural production are covered through regular surveys.

Frame

The agricultural component was designed as an attachment to the main questionnaire of the Census of Population, Housing and Dwellings 2002. Therefore, the census frame was the one of the population census i.e. the mapping and description of enumeration areas to be canvassed by enumerators.

Method

Complete enumeration of households by means of direct interview with a unique questionnaire.

Data source

Census of Population, households and dwellings, Agricultural Component 2002. Statistical Office of the Republic of Serbia.

Contact

Statistical Office of the Republic of Serbia, Milana Rakića 5, Belgrade, The Republic of Serbia.
Tel.: (+381) 11 241 2922; Fax: (+381) 11 241 1260; E-mail: stat@stat.gov.rs.

Website

<http://www.stat.gov.rs>

SERBIA - Census of Popul., households and dwellings - Agric. Comp. 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	778 891	2 869 000

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	778 891	1 919 423
Without land	6 288	-
Under 0.1 ha	8 482	594
0.1- 0.5 ha	96 646	24 290
0.5- 1 ha	102 972	65 110
1- 2 ha	145 929	167 954
2- 3 ha	108 903	199 911
3- 4 ha	73 879	182 607
4- 5 ha	61 282	192 295
5- 6 ha	42 344	162 447
6- 8 ha	54 499	255 837
8- 10 ha	34 595	213 463
10- 15 ha	27 731	219 857
15- 20 ha	9 041	96 356
over 20 ha	6 300	138 702

HOLDINGS BY NUMBER OF PARCELS		
	Number of holdings	Number of parcels
Total	-	772 603
1 parcel	-	201 697
2 to 3 parcels	-	223 118
4 to 5 parcels	-	144 999
6 to 9 parcels	-	121 224
10 parcels and more	-	81 565

LEGAL STATUS		
	Number of holdings	Area (ha)
Total		
Civil persons	778 891	2 869 000

LAND TENURE OF HOLDINGS		
	Number of holdings	Area (ha)
Total	778 891	2 869 000
Under one form of tenure	744 163	2 578 510
Owned or in ownerlike possession	740 455	2 571 190
Rented from others	3 708	7 320
More than one form of ten.	34 728	290 490

AREA OF HOLDINGS BY TENURE OF LAND OPERATED		
	Area (ha)	
Total	2 869 000	
Area owned	2 747 383	
Area rented	121 617	

HOLDERS BY SEX		
		Persons
Total	-	778 891
Male	-	637 709
Female	-	141 182

MEMBERS OF HOLDER'S HOUSEHOLD, INCLUDING HOLDER, BY SEX		
		Number of persons
Total	-	2 536 378
Male	-	1 271 140
Female	-	1 265 238

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
		Number of persons
Total	-	529 236
Male	-	305 590
Female	-	223 646

LIVESTOCK		
	Number of holdings reporting	Head/units
Cattle	286 134	748 282
Pigs	428 827	1 983 504
Sheep	155 949	1 475 662
Goats	70 014	180 757
Horses	24 791	31 830
Poultry -Total	549 764	9 779 131
Beehives	25 912	271 062

Historical outline

Agricultural censuses were conducted in 1950 and 1961. A national agricultural survey was then undertaken in 1978. Data here refer to the Agricultural Module of Population and Housing Census conducted in 2002.

Organization

The Central Statistical Office, today called Management and Information Systems Division (MISD), exclusively executed the exercise.

Method

Complete enumeration of all households involved in agricultural or livestock activities, identified through the Agricultural Module of the Population and Housing Census questionnaire was carried out.

Coverage

The Census covered the entire country.

Method

Complete enumeration of all households involved in agricultural or livestock activities, identified through the Agricultural Module of the Population and Housing Census questionnaire was carried out.

Data source

Population and Housing Census, Agricultural Module 2002. Statistics and Database Administration Section (MISD), Seychelles.

Contact

Statistics and Database Administration Section (MISD), P.O. Box 206 Victoria, Mahe, Seychelles.
Tel.: (+248) 383 170; Fax: (+248) 225 339; E-Mail: misdstat@seychelles.net

Website

<http://www.misd.gov.sc/sdas>

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	
Total	4 685	-

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	329	1 467
Pigs	784	6 073
Goats	97	406

SLOVAK REPUBLIC - Agricultural Census 2001 - Explanatory Notes

Historical outline

The 2001 Farm Structure Census (FSC) is considered the first survey of this type undertaken in the Slovak Republic. It is planned to be carried out every ten years with annual surveys in the intervening period.

Organization

The 2001 Farm Structure Census was carried out for the first time according to the EU methodology, as a participation of the Slovak Republic into the Pan-European Agricultural Statistics Project, managed by the EU Statistical Office. The Statistical Office of the Slovak Republic and the Ministry of Agriculture participated into the realization of the survey in collaboration with the Agricultural and Food Industry Chamber (SAFIC) and with the participation of many other specialized institutions and municipal administrations, and in partnership with the French Institut Supérieur de Microélectronique Appliquée (ISMEA) and the Italian Ministry of Agriculture and Forest Policy and Two Coordination Managing Commissions were established: one headed by the Vice-President of the National Statistical Office and the other by the State Secretary of the Ministry of Agriculture. During the FSC, 9 126 enumerators, one for each census district, collected information through personal interview. The census districts were set in such a way that an enumerator visited approximately 100 households.

Enumeration period

The census was carried out during November and December 2001.

Reference date/period

The reference date: 31 October 2001. Reference period: 1 November 2000 to 31 October 2001.

Definition

Agricultural holdings were categorized as *above* or *below* the following threshold:

- Having a land area of utilized agricultural land of at least 0.5 ha;
- Having a land area of intensive crops (orchards, vegetables or flowers) of at least 0.15 ha;
- Having a land area under vineyard of at least 0.05 ha or 0.03 ha of root/tuber crops in compact plantation.
- Having at least 1 head of cattle or 2 head of pigs or 4 head of sheep or goats, or 50 head of poultry.
- Having at least 100 head of fur-bearing animals or 100 hares or 5 beehives.

Coverage

The FSC was carried out in all municipalities of Slovak Republic and in selected municipal localities in which there was an assumption of agricultural main production.

Frame

A farm register of legal and natural persons with main agricultural activity, and a farm register of legal and natural persons with secondary agricultural activity (of which only the agricultural activity was surveyed) were used as census frame. For the preparation of the register of reporting units the following registers were used:

- Farm register kept by the Slovak Rep. Statistical Office since 1974;
- Register of organizations kept by the Slovak Rep. Statistical Office ;
- Description of census districts elaborated for population census 2001;
- External lists provided by SAFIC, Union of Orchard Holders and other institutions.

Method

A pilot sample survey was carried out between 12 and 30 November 2000 to finalize the questionnaire. Short and detailed questionnaires were used, depending upon the size of the holding. The Census was carried out as a complete enumeration of holdings above the threshold. The holdings below the threshold were enumerated on sample basis.

Data source

Strukturálny Cenzus Fariem 2001 (Farm Structure Census 2001). Statistical Office of the Slovak Republic.

Contact

Statistical Office of the Slovak Republic, Miletičova 3 - 824 67 Bratislava. Tel. (+421) 2 502 361 11;
Fax: (+421) 2 555 613 50.

Website

<http://www.statistics.sk>

SLOVAK REPUBLIC - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	71 038	3 462 427

NUMBER OF HOLDINGS (OPERATED BY CIVIL PERSONS) BY SIZE		
	Number of holdings	
Total	69 208	-
without land	1 830	-
< 0.5 ha	32 810	-
0.5 - 1 ha	15 169	-
1 - 5 ha	15 453	-
5 - 10 ha	1 682	-
10 - 50 ha	1 829	-
50 - 100 ha	486	-
100 - 500 ha	704	-
500 - 1 000 ha	353	-
1 000 ha and over	722	-

LEGAL STATUS		
	Number of holdings	
Total	71 038	-
Civil person	69 208	-
Other	1 830	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	103 950	-
Male	61 485	-
Female	42 465	-

LAND USE		
		Area (ha)
All land	-	3 462 427
Agricultural land	-	2 159 312
Cropland	-	1 374 662
Permanent mead./pastures	-	784 650
Wood or forest land	-	1 227 295
All other land	-	75 820

TEMPORARY CROPS		
		Area (ha)
Wheat	-	444 852
Rye	-	38 048
Barley	-	184 628
Oats	-	16 890
Maize	-	120 850
Millet	-	540
Buckwheat	-	152
Triticale	-	11 373
Sorghum	-	94
Peas	-	9 448
Beans	-	283
Lentils	-	410
Vetches	-	488
Potatoes	-	16 564
Flax	-	283
Fodder beets	-	1 397
Sunflower	-	63 530
Oil rape	-	106 596
Tobacco	-	1 245
Capsicum, pepper	-	320
Cabbages	-	1 218
Tomatoes	-	1 530
Onions	-	1 124
Garlic	-	42

PERMANENT CROPS		
		Area (ha)
Grapes	-	12 640
Apples	-	5 697
Pears	-	255
Peaches	-	1 217
Apricots	-	526
Cherries	-	689
Plums	-	877
Walnut	-	116
Chestnut	-	15
Hazelnut	-	2
Currants	-	979

LIVESTOCK		
		Number of head
Cattle, total	-	625 190
< 1 year	-	172 548
1 - 2 years	-	145 124
2 years >	-	307 518
Sheep	-	307 266
Goats	-	15 847
Pigs	-	1 413 873
Horses	-	6 597
Mules, Asses	-	53
Chickens	-	12 480 890
Geese	-	23 295
Turkeys	-	321 756
Ducks	-	93 617
Guinea fowls	-	2 225
Pigeons	-	5 965
Ostrichs	-	922
Minks	-	3 637
Chinchilla	-	873
Foxes	-	415
Nutria	-	268

SLOVENIA - Agricultural Census 2000 - Explanatory Notes

Historical outline

Two independent agricultural censuses were conducted by complete enumeration in the Republic of Slovenia, in 1930 and 1960. However, due to the extensive political and economic changes in the period, it is difficult to compare them. In 1969 sample censuses of agricultural holdings was conducted and in 1971, 1981 and 1991 census of agricultural holdings were conducted within population census. The latest independent Census of Agriculture, to which data here refer, was conducted in Slovenia in 2000. All definitions and classifications used were in compliance with FAO and Eurostat recommendations.

Organization

The census was organized by the Statistical Office of the Republic of Slovenia, responsible, as from the National Statistics Act, for all national statistical surveys.

Enumeration period

The census was conducted during June 2000.

Reference date/period

For data on land, land use, livestock machinery and equipment in agriculture and forestry: 1 June 2000.
For data for labour force: the period from 1 June 1999 to 31 May 2000.

Definition

- **Agricultural holding:** is a single unit, both organizational and operating, of agricultural land, forests, buildings, equipment and labour force, which has a single management and is engaged in agricultural production, having:
 - 1) At least 1 ha of utilized agricultural land, or
 - 2) Less than 1 ha of utilized agricultural land but reporting at least:
 - 0.1 ha of agricultural land and 0.9 hectares of wood/forest, or
 - 0.5 ha of arable land and kitchen gardens, or
 - 0.3 ha of vineyards and/or orchards, or
 - 0.1 ha of orchard plantation, or
 - Two or more head of cattle, or
 - More than 50 beehives, or
 - Are market producers of vegetables.
- **Agricultural Enterprises** are enterprises, companies and cooperatives which are recorded in the Business Register as being engaged in agricultural activity.

Coverage

Geographically, the census covered the entire country.

Frame

The list of family farms was made on the basis of different statistical (the 1991 Census of Population, Households and Agricultural Holdings, the 1997 Census of Orchards, surveys in the field of agriculture) and administrative data bases (Central Population Register, Register of Territorial Units, Land Cadastre, data on persons eligible to receive subsidies from the ministry of Agriculture, Forestry and Food, etc.). The list of family farms was checked before the 2000 Agriculture Census by the experts of the Agricultural Advisory Service available from existing registers. A separate register viz. Business Register, was used to cover cooperatives and enterprises.

Method

Census data on family farms were collected with the help of authorized surveyors, while data on agricultural enterprises were collected by mail.

Data source

Census of Agriculture 2000. Statistical Office of the Republic of Slovenia.

Contact

Statistical Office of the Republic of Slovenia, Vozarski Pot 12, 61000 Ljubljana, Slovenia. Tel.: (+386) 1 241 5104; Fax: (+386) 1 241 5344; Answerphone: (+386) 1 475 6555; E-mail: indok.surs@gov.si, info.stat@gov.si.

Website

<http://www.sigov.si/zrs>

SLOVENIA - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	86 465	950 269
Family farms	86 334	918 908
Agricultural enterprises	131	31 361

TENURE OF LAND		
		Area (ha)
Total	-	950 269
Owned	-	833 992
Rented	-	116 277

HOLDERS BY AGE (FAMILY FARMS)		
	Number of holders	
Total	86 334	-
< 35 years of age	4 487	-
35 - 44	13 222	-
45 - 54	19 979	-
55 - 64	20 942	-
65 >	27 704	-

HOLDER'S HOUSEHOLD MEMBERS BY AGE (FAMILY FARMS)		
	Number of persons	
Total	322 981	-
< 15 years	44 842	-
15 - 24	46 373	-
25 - 34	45 085	-
35 - 44	43 513	-
45 - 54	42 561	-
55 - 64	40 223	-
65 - 74	39 950	-
75 >	20 434	-

HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURAL WORK ON THE HOLDING (FAMILY FARMS)		
	Number of persons	
Total	70 051	-

LAND USE		
		Area (ha)
All land	-	950 269
Agricultural land	-	485 879
Cropland	-	204 925
Arable land	-	170 804
Permanent crops	-	34 121
Permanent mead./pastures	-	280 954
Wood or forest land	-	394 701
All other land	-	69 689

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	30 857	38 190
Barley (family farms)	21 316	11 293
Maize	44 826	48 009
Potatoes	58 364	8 952
Pumpkins (family farms)	10 190	2 145
Sugarbeets (family farms)	3 744	6 509
Maize for silage (family f.)	16 544	24 893

PERMANENT CROPS (ORCHARD PLANTATIONS IN FAMILY FARMS)		
	Holdings reporting	Number of trees
Apples	2 327	4 038 877
Pears	994	320 672
Peaches	1 568	546 736
Apricots	423	21 210
Cherries	928	34 022
Plums	754	25 873
Grapes	35 107	13 786

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	56 097	499 546
Sheep	4 330	96 027
Goats	4 775	29 385
Pigs	44 623	601 953
Horses	4 634	14 407
Chickens	58 912	5 835 199

SOUTH AFRICA - Agricultural Survey 2000 - Explanatory Notes

Historical outline

The 2000 Agricultural Survey is the first survey in South Africa covering both Large Scale and Small Scale and Emerging Farms sectors. Agricultural surveys were undertaken in the past by the Central Statistical Service in 1994, 1995 and 1996 but covering the commercial farms sector only.

Organization

The National Agricultural Survey was conducted by Statistics South Africa specifically for the National Department of Agriculture (NDA).

Enumeration period

For the actual survey, data were collected from 14 August to 18 September 2000.

Definition

- **Farming Operation** consists of one or more separate farms, holding or portions of land, whether contiguous or not, operated as single units irrespective of the number of districts into which they may fall, so that farms or portions of land situated in different districts can be regarded as a single farming operation.
- **Former RSA** means Republic of South Africa excluding all the former Homelands.
- **Former Homelands** refers to the apartheid-based areas assigned to Africans either as "independent states" or as "self-governing territories".

Coverage

Geographically, the survey covered all provinces in South Africa. Statistically, small-scale market gardens in peri-urban areas were not covered by the survey.

Frame

The frame for the survey was prepared by the National Department of Agriculture (NDA). But being incomplete at the time of the survey, some farms were sampled directly from maps, by listing each farm that appeared on the map.

Method

A master sample was created based on enumeration areas (EAs) from 1996 Population Census and the National Department of Agriculture (NDA) sampling frame. Approximately 1 500 Primary Sampling Units (PSUs) were selected from former RSA and the former Homelands.

For Former RSA: A two staged sampling design was used to draw a probability sample of farms in the Former RSA: At the first stage, 602 EAs were systematically selected from a total of 5 564. At the second stage, 15% of the farms in each EA were systematically selected.

For Former Homelands: At the first stage, in these areas, 887 EAs were selected from a total of 24 540 Rural EAs using the same procedure used for the former RSA. If the EAs were small, containing less than 100 households, they were combined with adjacent EAs to form the primary sampling units. At the second stage, a listing of all households within a specific PSU or EA was undertaken, then, during the listing, the following two criteria were applied to identify a household as a farming unit.

Criterion (1): A household was defined as a farming operation if it met at least one of the following specifications: (a) it had access to land for farming purposes; (b) it had livestock; (c) it grew crops; and in addition, (d) The respondent considered the household or a member of the household to be a farming operation.

Criterion (2): If a household met with any of (a) or (b) or (c) but not with (d), it was considered to be a farming operation as well, if meeting with at least one of the following specifications: (1) It had sold crops, livestock or any other agricultural product produced in the 12 months prior to the survey; (2) It had access to 0.5 ha or more of cropland; (3) It produced enough crops and livestock products to feed household members for six months or more; (4) It had five or more head of cattle or sheep or goats or pigs or mules or asses; (5) It had 25 or more chickens

Data source

Report on the Survey of Large and Small Scale Agriculture, Stats SA 2002. Statistics South Africa.

Contact

Statistics South Africa, Steyn's Building, 274 Schoeman Street Pretoria, Private Bag X44, Pretoria 0001, South Africa. Tel.: (+27) 12 310 8600; Fax: (+27) 12 310 8500; E-mail: info@statssa.pwv.gov.za.

Website

<http://www.statssa.gov.za>

http://harvestchoice.org/maps-etc/RSA_2000_Survey%20Large-Small-Scale.pdf

SOUTH AFRICA - Agricultural Survey 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	1 093 000	315 128 000
Former RSA (South Africa)	150 000	217 977 000
Former Homelands	943 000	97 300 000

LEGAL STATUS		
	Number of holdings	
Total	1 093 000	-
Individuals	1 036 000	-
Partnership	21 000	-
Public company	1 000	-
Private company	5 000	-
Other	30 000	-

MAIN TEMPORARY CROPS		
	Holdings reporting	Production (mt)
Maize for grain		
Total	597 000	13 791 056
Former RSA	19 000	-
Former Homelands	578 000	-
Maize (fresh)		
Total	541 000	451 793
Former RSA	10 000	-
Former Homelands	531 000	-
Sorghum		
Total	35 000	783 638
Former RSA	33 000	-
Former Homelands	2 000	-
Wheat		
Total	11 000	3 078 338
Former RSA	9 000	-
Former Homelands	2 000	-
Beans, dry		
Total	180 000	135 171
Former RSA	4 000	-
Former Homelands	176	-
Soybeans: Total	38 000	46 064
Former RSA	2 000	-
Groundnuts		
Total	64 000	182 251
Former RSA	3 000	-
Former Homelands	61 000	-
Sugarcane		
Total	36 000	108 795 877
Former RSA	4 000	-
Former Homelands	32 000	-
Sunflower seed		
Total	5 000	418 887
Former RSA	4 000	-
Former Homelands	1 000	-
Lucerne and other hay grasses		
Total	14 000	769 658
Former RSA	13 000	-
Former Homelands	1 000	-
Potatoes: Total	123 000	1 776 076
Former RSA	6 000	-
Former Homelands	117 000	-
Cabbages: Total	106 000	
Former RSA	6 000	
Former Homelands	100 000	
Onions: Total	53 000	2 775 004
Former RSA	5 000	-
Former Homelands	48 000	-
Pumpkins / Squash		
Total	138 000	80 997
Former RSA	5 000	-

MAIN PERMANENT CROPS			
		Holdings reporting	Production mt
Apples	Total	14 000	1 205 721
	Former RSA	1 000	-
	Former Homelands	13 000	-
Avocados	Total	66 000	174 513
	Former RSA	1 000	-
	Former Homelands	65 000	-
Bananas	Total	80 000	272 839
	Former RSA	1 000	-
	Former Homelands	79 000	-
Grapes	Total	24 000	1 876 548
	Former RSA	5 000	-
	Former Homelands	19 000	-
Guavas	Total	47 000	60 592
	Former RSA	1 000	-
	Former Homelands	46 000	-
Mangoes	Total	106 000	41 871
	Former RSA	1 000	-
	Former Homelands	105 000	-
Oranges and other citrus fruits	Total	44 000	496 894
	Former RSA	6 000	-
	Former Homelands	38 000	-
Peaches	Total	94 000	208 672
	Former RSA	4 000	-
	Former Homelands	90 000	-
Pears	Total	5 000	1 096 693
	Former RSA	2 000	-
	Former Homelands	3 000	-
Plums	Total	5 000	112 621
	Former RSA	1 000	-
	Former Homelands	4 000	-
Watermelons and other melons	Total	26 000	141 409
	Former RSA	2 000	-
	Former Homelands	24 000	-

LIVESTOCK		
	Holdings reporting	Number of Head
Cattle (Beef)	Total	331 000
	Former RSA	48 000
	Former Homelands	283 000
Cattle (Dairy)	Total	129 000
	Former RSA	33 000
	Former Homelands	96 000
Pigs	Total	183 000
	Former RSA	10 000
	Former Homelands	173 000
Sheep	Total	155 000
	Former RSA	37 000
	Former Homelands	118 000
Goats (Angora)	Total	20 000
	Former RSA	4 000
	Former Homelands	16 000
Goats (Other)	Total	264 000
	Former RSA	8 000
	Former Homelands	256 000
Horses	Total	51 000
	Former RSA	13 000
	Former Homelands	38 000
Ostriches	Total	6 000
	Former RSA	5 000
	Former Homelands	1 000
Poultry	Total	444 000
	Former RSA	28 000
	Former Homelands	416 000

SPAIN - Agricultural Census 1999 - Explanatory Notes

Historical outline

The very first census of agriculture in Spain was carried out in 1962, in observance of the 1957 General Census Law prescribing a nationwide agricultural census to be taken every ten years; data included in the Report on the 1930 World Census of Agriculture were extracted from current statistics. The second and the third General Censuses of Agriculture were undertaken in 1972 and 1982 respectively, while the fourth was conducted in 1989 instead of 1992, to meet the European Union regulations concerning agricultural surveys. Data here presented refer to the latest nationwide full census, the 1999 Census of Agriculture.

Organization

The National Institute of Statistics (INE) is in charge for the organization and implementation of the Agricultural Census.

Enumeration period

The "Census Day" was 30 September 1999.

Reference date/period

Data on livestock and machinery owned by the holder refer to the day of interview, while all other data refer to the agricultural year 1999, i.e. the period between 1 October 1998 and 30 September 1999.

Definition

Agricultural holding:

Is a techno-economic unit for agricultural production under single management, characterized by the utilization of the same production means (workers, machinery, etc.)

There are two types of agricultural holdings: with land or without land.

- *Holdings with land* are those reporting a total area of at least 0.1 ha.
- *Holdings without land* are those with less than 0.1 ha of total area, whether located in rural or urban areas, but having at least one of the following:
 - 1 head of cattle;
 - 2 horses, asses, mules or pigs;
 - 6 sheep or goats;
 - 50 chickens or other poultry;
 - 30 female rabbits;
 - 10 beehives.

Coverage

Geographically, the census covered the entire country, i.e. the 50 mainland provinces, the insular provinces of Canary and Balearic Islands, and the towns of Ceuta and Melilla. Statistically, the census covered all agricultural holdings, either managed by physical or juridical persons, without regard to the destination of agricultural production.

Frame

Among the main objectives of the census there was the updating of the lists of agricultural holdings, kept in each municipality, used as the census frame.

Method

The 1999 census mainly followed the methodology used for the 1989 census. A complete enumeration of all holdings was carried out. The data were collected through direct interview.

Data source

Censo Agrario 1999, Principales Resultados. Instituto Nacional de Estadística.

Contact

Instituto Nacional de Estadística, Paseo de la Castellana, 183 - 28071 Madrid, Spain. Tel.: (+34) 915 839 100; Fax: (+37) 915 839 158; E-mail: info@ine.es.

Website

<http://www.ine.es>, <http://www.marm.es>

SPAIN - Agricultural Census 1999 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	1 764 456	42 180 951

NUMBER OF HOLDINGS BY SIZE		
	Number of holdings	
Total	1 764 456	-
< 1 ha	455 424	-
1 - 5 ha	643 128	-
5 - 20 ha	403 109	-
20 - 50 ha	137 010	-
50 - 100 ha	58 994	-
100 - 500 ha	54 872	-
500 ha and over	11 919	-

FRAGMENTATION		
	Number of holdings	Parcels
Holdings reporting parcels	1 764 456	-
holdings with:		
1 parcel	399 853	-
2 - 3	432 998	-
4 - 5	231 868	-
6 - 9	241 309	-
10 - 19	235 091	-
20 - 49	165 162	-
50 >	58 175	-
Parcels, total		18 012 760

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	1 764 456	42 180 951
Civil person	1 697 214	22 853 066
Corporation	16 333	3 499 362
Cooperative	1 947	235 716
Government	14 622	10 619 831
Other	34 340	4 972 976

TENURE OF LAND		
		Area (ha)
Total	-	42 180 951
Owned	-	31 194 823
Rented	-	7 907 502
Other forms of tenure	-	3 078 626

HOLDERS BY SEX		
	Number of holders	
Total	1 720 578	-
Male	1 210 975	-
Female	509 603	-

HOLDERS BY AGE		
	Number of holders	
Total	1 720 578	-
< 25 years of age	17 988	-
25 to 34	119 461	-
35 to 44	257 608	-
45 to 54	358 186	-
55 to 64	422 362	-
65 >	544 973	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	736 714	-
Male	528 205	-
Female	208 509	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	211 731	-
Male	184 860	-
Female	26 871	-

LAND USE		
	Number of holdings	Area (ha)
All land	1 764 456	42 180 951
Agricultural land	1 655 124	26 316 787
Cropland	1 567 390	16 920 359
Arable land	-	12 459 456
Temporary crops	890 095	12 399 723
all other arable land	40 155	59 733
Permanent crops	-	4 460 903
Permanent mead./pastures	421 374	9 396 428
All other land	912 010	15 864 164

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	172 672	2 486 116
Rye	26 911	143 547
Barley	182 989	3 234 693
Oats	53 627	583 575
Maize	154 292	396 629
Rice	11 568	108 913
Sorghum	2 855	8 289
Chick-peas	14 463	63 386
Lentils	2 757	22 231
Potatoes	242 566	84 542
Peas	4 130	38 590
Broad beans	3 196	10 912
Sugarcane	1 052	1 124
Sugarbeet	19 321	131 949
Cotton	9 357	106 448
Sunflower	55 245	812 074
Cardamon	480	7 631
soybeans	592	4 401
Rapeseed (colza)	2 910	35 361
Tobacco	5 377	17 480
Hops	636	790
Alfalfa	39 966	252 124

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Almonds	194 564	564 613
Apples	117 126	39 324
Apricots	25 129	23 866
Cherries	44 012	29 867
Figs	28 488	14 774
Lemons	33 350	36 618
Mandarins	62 691	82 317
Olives	602 250	2 273 589
Oranges	132 825	155 284
Pears	60 387	34 672
Plums	34 415	18 334
Vines	342 096	1 035 347

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	196 640	6 360 827
Sheep	122 196	20 989 148
Goats	59 529	2 743 149
Pigs	218 110	22 079 591
Horses	66 340	231 747
Mules	21 509	26 584
Asses	43 650	54 003
Rabbits (Females)	81 621	1 549 320
Poultry	329 020	182 446 000
Beehives	27 014	1 425 642

Historical outline

The first attempt to conduct an agricultural census in the country was the Census of Production in 1921. Partial agricultural censuses were then carried out in 1924 and 1929, with the limited scope of collecting information on crop areas, production and livestock numbers at village level. Subsequently, Agricultural Censuses were conducted in 1946, 1952, 1962, 1973, and 1982. The one scheduled to be undertaken in 1992 was not conducted due to the unfavourable conditions prevailing in certain parts of the country. As a result, the last census of agriculture in Sri Lanka, to which data reported here refer, is the one conducted, after a lapse of 20 years, in 2002.

Organization

The 2002 Census of Agriculture was organized and conducted by the Department of Census and Statistics (DCS). About 14 260 enumerators were involved in census field operations.

Enumeration period

Data were collected during the period August to October 2002.

Definition

- **Agricultural Holding** is the one consisting of all land and/or livestock used wholly or partly for agricultural production, operated under single management, without regard to title of ownership, legal form or size, and situated within one Divisional Secretariat (DS) Division. Any land situated outside the DS Division where the operator is resident, should be considered as a separate agricultural holding.
- **Estate or Plantation sector** is an agricultural holding of 20 acres (8.1 ha) or more in extent. In the case that different parcels may add up to 20 acres, the holding is not considered an estate because the estate should have at least one parcel reaching 20 acres in extent. Similarly, a holding with 20 acres or more of purely paddy land is not considered an estate.
- **Small Holdings Sector (peasant)** are those holdings not falling into the category of estates.
- **Marginal or Inactive Holdings** are those holdings reporting an area of less than 40 perches (0.11 ha) and having an agricultural production mainly for home consumption.

Coverage

The census covered the entire country, with the exclusion of the Municipalities of Colombo, Dehiwala, Mount Lavinia and Sri Jayawardanapura Kotte, which are predominantly used for residential and commercial purposes.

Frame

For the **Small Holding Sector**, the list frame was the one prepared for the 2001 Population Census, to investigate housing units, Institutions, collective living quarters and non-housing units in the country, and screening out the agricultural operators.

For the **Estate Sector**, an inventory was prepared prior to the main census.

Method

Two different methods of data collection were applied for the Small (peasant) farm Sector and to the Estate (plantations) Sector

- For the Small Holdings Sector, about 14 260 trained enumerators visited every census unit having personal interviews with the operators.
- For the Estate Sector, information was collected through mail questionnaires by sending them to each and every operator/superintendent.

Data source

Small Holding Sector, Preliminary Data Release. Department of Census and Statistics of Sri Lanka (website).

Contact

Department of Census and Statistics (DSA), Agriculture Division, No. 30 Asoka Gardens, Colombo 4 P.O. Box 563, Sri Lanka. Tel.: (+94) 1 675 297; Fax: (+94) 1 697 594; E-mail: censusag@eureka.lk/ dcensus@lanka.com.lk.

Website

<http://www.statistics.gov.lk>

SRI LANKA - Agricultural Census 2002 (Small Holdings Sector) - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total small holdings	3 264 678	1 531 461
small holdings producing:		
mainly for home consumption	1 477 308	82 119
mainly for sale	1 787 370	1 449 342

NUMBER AND AREA OF HOLDINGS (PRODUCING MAINLY FOR SALE) BY SIZE		
	Number of holdings	Area (ha)
Total	1 787 370	1 449 342
< 0.4 ha	564 379	118 969
0.4 - 0.8 ha	541 203	283 986
0.8 ha and over	681 788	1 046 388

PERMANENT CROPS (SMALL HOLDINGS PRODUCING MAINLY FOR HOME CONSUMPTION)		
	Number of scattered trees/plants	
Coconut	-	5 355 739
Coffee	-	997 866
Black pepper	-	1 016 987
Cloves	-	242 983
Areca nuts	-	1 249 170
Mangoes	-	1 169 307
Oranges	-	344 495
Limes	-	542 948
Jack fruit	-	1 215 533
Plantains	-	3 777 433
Cashew nut	-	228 483
Papaya	-	1 140 474

PERMANENT CROPS (SMALL HOLDINGS PRODUCING MAINLY FOR SALE)		
	Area in compact plantation (ha)	
Coconut	208 131	-
Tea	91 668	-
Rubber	48 655	-
Cashew nut	17 487	-

LIVESTOCK (ALL SMALL HOLDINGS)		
	Number of head	
Cattle	-	1 065 960
Buffaloes	-	276 203
Sheep / Goats	-	329 475
Pigs	-	78 013
Chickens	-	10 202 144

SWEDEN - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Farm Statistics have been compiled in the country since early twentieth century. From 1968 to 1995 a Farm Register (LBR) served the administrative and statistical needs. Agricultural surveys were carried out every year between 1968 and 1995 on the basis of this register with reference dates between 8 to 15 June. With the country joining European Union (EU) in 1995, the statistical system was adapted to EU standards and annual Farm Structure Surveys (FSS) was carried out. However, the item coverage and sample size of these surveys was varied keeping in view national needs and the requirements of Eurostat.

Organization

Since 1 January 1999, the Swedish Board of Agriculture is the authority responsible for a major part of agricultural statistics. A special legislation which regulates responsibility and content of agricultural census, gives Swedish Board of Agriculture and the Central Statistical Office (SCB) a mandate to conduct surveys required to meet statistical requirement at national and EU level. Public is legally obliged to provide information for the Farm Register. The department of environment and regional statistics within the SCB was responsible for conducting the 1999 FSS.

Enumeration period

From 10 – 17 June 1999 with a follow-up for non-response up to August 1999.

Reference date/period

The reference period was the census day 10 June 1999.

Definition

- **Holding** is a unit under a single management, which operates in agriculture, forestry, animal husbandry or horticulture. It could be operated by natural persons or legal persons.
- **Holder** is a single or a group of natural persons, or a legal person, on whose account and name the holding is operated. The holder is legally and economically responsible for the holding, and takes the economic risks. The LBR provides for up to 3 holders for a holding. For providing data to Eurostat, the first person listed in LBR was taken as holder. As a holder can own or lease the holding, a natural person cannot be a holder in a holding operated by a legal person.

Coverage

Geographically, the survey covered the entire territory of the country. A holding was counted in the 1999 FSS if it satisfied at least one of the following criteria:

- at least 2.1 ha. of arable land;
- at least 50 cows or 250 cattle or 50 sows or 250 pigs or 50 ewes or 1000 poultry;
- at least 200 square meter area under glass or 2500 square meter outdoor cultivation.

Cultivation in homestead garden or for own consumption was excluded.

Frame

Annual updates on the Farm Register (LBR) have guaranteed high quality data in the register. As such, usually an agricultural survey frame is based on previous Agricultural Structure Survey. The frame for 1999 FSS was thus provided by 1998 FSS which was updated on the basis of changes reported by holdings during 1999. In the event of inadequate supply of information on the survey form, further investigations were undertaken. The information available from monitoring property changes was also utilized to update the frame. This led to insignificant under-coverage of new holding.

Method

The survey was a complete enumeration of the holdings which satisfied the census criteria. However, a stratified probability sample was utilized to supply early preliminary information. The survey was conducted by post. At the end of May 1999 letters containing forms, instructions and reply envelope were sent to holdings already included in the LBR. Special analysis was carried out for the form reporting that another person has taken over all or a part of the land of the holding in the previous survey.

Data source

Farm Structure Survey 1999/2000, 2003 Edition, Agriculture and Fisheries Theme 5, European Commission, Eurostat.

Contact

Statistics Sweden (National Statistics Office), (SCB), Box 24300, SE-104 51 Stockholm, Sweden. Tel.: (+ 46) 8 506 940 00; Fax: (+ 46) 8 661 52 61; E-mail: scb@scb.se.

Website

<http://www.scb.se>

SWEDEN - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	81 410	7 641 890

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	81 410	7 641 890
Holdings without agricult. land	1 640	97 500
0 - 2 ha of agricult. area	1 140	26 530
2 - 5 ha	7 000	294 800
5 - 10 ha	13 960	709 200
10 - 20 ha	17 040	1 055 310
20 - 30 ha	9 730	753 740
30 - 50 ha	11 920	1 140 870
50 - 100 ha	12 540	1 694 860
>= 100 ha	6 440	1 869 080

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	75 910	-
Other	5 500	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	3 073 200
Owned	-	1 658 030
Rented	-	1 415 170
Other forms of tenure	-	-

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	75 910	-
Male	68 320	-
Female	7 590	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	75 910	-
< 35 years of age	5 270	-
35 to 44	14 780	-
45 to 54	21 270	-
55 to 64	18 670	-
65 and over	15 920	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	132 830	-
Male	88 210	-
Female	44 620	-
Of which, full time:		
Total	25 920	-
Male	21 790	-
Female	4 130	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	24 030	-
Of which, full time:	9 160	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	132 830	-
Male	88 210	-
Female	44 620	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	9 160	-

LAND USE		
	Number of holdings	Area (ha)
All land	81 410	7 641 890
Agricultural land	-	3 073 200
Cropland	-	2 700 090
Arable land	79 340	2 696 510
Permanent crops	920	3 580
Permanent mead./pastures	36 250	373 110
Wood / forest land	59 590	3 755 270
All other land	-	813 420

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat (Soft)	16 270	275 420
Rye	3 090	24 510
Barley	37 220	481 990
Oats	31 430	305 660
Dry pulses	3 810	30 920
Potatoes	9 120	32 820
Sugarbeets	4 580	59 880
Industrial plants	8 280	110 060
Rapeseed and Turnip	6 200	75 890
Vegetables (grown in the open)	2 720	19 110

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	33 980	1 712 990
of which: dairy cows	13 960	448 520
Sheep	8 260	437 370
Pigs	6 020	2 115 340
Chickens, total	-	13 710 000
Broilers	90	5 860 000
Laying hens	6 590	7 850 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	78 660	172 130

Historical outline

The agricultural censuses were conducted in 1950, in 1960 and in 1971/1972. The second agricultural census was conducted in 1993/94 for household and livestock data, and in 1994/95 for crop area and production. Livestock censuses were also conducted in 1971, 1978, 1984. The third agricultural census (National Sample Census of Agriculture) of Tanzania, covering both crops and livestock, was carried out for 2003/04 with financial support from European Union, DFID, and JICA, and technical support from FAO.

Organization

The Statistics Act 2002 empowers the National Bureau of Statistics (NBS) to collect and publish specified Statistics. The agricultural census 2002 was conducted by NBS in collaboration with the sector Ministries and the Office of the Chief Government Statistician of in Zanzibar. At central level the inter-departmental Planning Group oversaw the operational aspects of the census. At regional level field offices of NBS and MAFS jointly implemented the census activities. In addition, there were a technical working group and a technical committee working at the national level.

Enumeration period

The data collection for the 2002/2003 Census was carried out during January to March 2004.

Reference date/period

Crop cultivation referred to agricultural year 2002/2003 (October 2002 to September 2003). The livestock count was as on 1 October 2003. Addition/deletion to livestock was reckoned during the agricultural year 2002/03.

Definition

- **Agricultural holding (farm):** The agricultural holdings were restricted to those meeting one of the following conditions: - Having or operated at least 25 sq. metres of arable land; - Owning or keeping at least one head of cattle or five goats/sheep/pigs or fifty chickens/ducks/ turkeys, during the reference year.
- **Small Scale farm/ Small holder household:** Should have between 25 sq. metres and 20 ha of land under production, and/or between 1 to 50 head of cattle, and/or between 5 and 100 heads of goats/sheep/pigs, and/or between 50 and 1000 chickens/ducks/ turkeys/rabbits.

Coverage

The census excluded urban districts. The sample covered all the districts (except 2 urban districts) in 21 regions of Mainland. In Zanzibar also all, except one urban district, were covered.

Frame

The villages/enumeration areas (EAs) were drawn from National Master Sample (NMS) developed by NBS to serve as a national framework for household based surveys in the country.

Method

While all the 1 254 large scale farms were completely enumerated, the census was conducted on sampling basis. In both Mainland and Zanzibar a stratified two stage sampling design was used. Villages and EAs, being the primary sampling units (PSU) were selected with a probability proportional to the number of villages in each district. In the second stage, 15 households were selected from the list of farming households in village/EA using systematic random sampling. Listing of farming households was carried out using Village Listing Forms. Separate questionnaires were used to collect data from small farms, large farm and the communities.

Data source

National Sample Census of Agriculture 2003/04 (Volume II and III), published by National Bureau of Statistics, Tanzania.

Contact

- **National Bureau of Statistics**, Planning Commission - P.O. Box 796, Dar-es-Salaam, Tanzania.
Tel.: +255-22-2122722/3; Fax: +255 22 2130852, E-mail: dg@nbs.go.tz ; itdept@nbs.go.tz
- **Ministry of Agriculture**, Statistics Unit, Tamba Garden Street - P.O. Box 9192, Dar-es-Salaam, Tanzania.
Tel.: +255 22 2862480; +255 22 2862481

Websites

<http://www.agriculture.go.tz>, and <http://www.nbs.go.tz/index.htm>

TANZANIA, United Republic of - Agricultural Census 2002/03 - Main results

NUMBER AND AREA OF HOLDINGS (RURAL HOUSEHOLDS INVOLVED IN AGRICULTURE)		
	Number of holdings	Area (ha)
Total	4 901 837	11 997 071 (*)
Tanzania Mainland	4 805 315	11 885 132
Zanzibar	96 522	111 939

(*) Includes 153 224 ha of "Land rented to others", of which 152 902 ha in Tanzania Mainland and 322 ha in Zanzibar.

LAND USE		
	Number of holdings	Area (ha)
Total land	4 901 837	11 997 071
Agricultural land	-	9 890 638
Land under crops	-	9 521 592
Land under Temporary crops	-	6 545 987
Of which: irrigated	-	168 430
Land temporarily fallow	539 989	682 758
Land under permanent crops	-	1 295 050
L. under temp.+ perm. crops	-	997 797
Land under meadows/pastures	197 701	369 046
Wood or forest land	153 749	298 475
All other land	-	1 807 958
Usable land	-	258 503
Usable but uncultivated	1 025 848	1 396 231

IRRIGATION: HOLDINGS, AREA, SOURCE AND METHODS		
	Holdings reporting	Area irrigated (ha)
Holdings practicing irrigation	385 213	168 430
Source of water:		
River	187 429	-
Lake	6 211	-
Dam	19 039	-
Well	56 864	-
Borehole	3 471	-
Canal	105 844	-
Pipe water	6 355	-
Method of obtaining water:		
Gravity	225 189	-
hand bucket	148 353	-
hand pump	3 300	-
Motor pump	3 844	-
Other	4 527	-
Method of irrigation:		
Flood	216 124	-
Sprinkler	6 710	-
Water hose	5 443	-
Bucket/watering can	156 936	-

MAIN TEMPORARY CROPS		
	Holdings reporting	Area planted (ha)
Maize	4 521 380	3 465 173
Paddy Rice	911 093	642 451
Sorghum	701 803	450 170
Bulrush Millet	161 805	124 522
Finger millet	183 156	83 485
Wheat	65 298	31 224
Barley	1 903	1 046
Cassava	462 791	865 834
Sweet potatoes	577 110	140 698
Irish potatoes	151 225	51 290
Cocoyam	40 860	8 110
Beans	2 092 658	745 941
Bambara nuts	111 033	24 779
Groundnuts	873 472	349 042
Sunflower	205 823	115 583
Soybeans	4 582	1 819
Onions	39 920	10 802
Cabbages	49 534	8 679
Tomatoes	134 663	31 913
Spinach	17 066	1 947
Cotton	288 366	337 058
Sugarcane (Tanzania mainland)	50 607	21 262
Tobacco	72 598	57 438

PERMANENT CROPS		
	Holdings reporting	Area planted (ha)
Cashew nuts	269 528	414519
Bananas	729 035	319676
Coffee	425 162	180649
Mangoes	225 050	99176
Coconut	116 184	68313
Oranges	109 377	41642
Sisal	1 666	5861
Oil palm	44 966	17338
Tea	15 256	7340
Avocados	28 691	13417
Black pepper	1 630	1532
Cinnamon	320	168
Cloves	1 176	847
Cocoa	25 400	16994
Durian	116	12
Grapefruit	1 000	916
Grapes	864	385
Guavas	8 808	10217
Jack fruit	6 307	14795
Kapok	164	81
Limes/Lemons	4 260	6092
Malay apples	389	243
Mandarines/Tangerines	3 090	5970
Papaya	17 602	14991
Pineapples	10 157	12870
Rambutan	272	33
Rubber	613	298
Soursop	622	1354
Star fruit	6 307	967
Tamarind	162	83
Wattle	9 419	993

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	1 272 375	16 999 793
Sheep	496 022	4 017 608
Goats	1 376 181	11 808 851
Pigs	342 385	1 129 758
Donkeys	-	310 402
Chickens	2 992 145	34 371 037
Ducks	-	1 362 216
Turkeys	-	213 545
Rabbits	-	534 151
Acquaculture		
Holdings by fish farming system		
Natural pond	1 217	-
Dug-out pond	16 427	-
Natural lake	40	-
Water reservoir	251	-
Other	100	-
Number of fish harvested	-	2 679 724

USE OF FERTILIZERS AND PESTICIDES		
	Holdings reporting use	
Fertilizers	2 089 943	-
Pesticides/Fungicides	794 372	-
Herbicides	76 201	-

MACHINERY/EQUIPMENT		
	Holdings Using	Number owned by holder
Hand hoes	4 747 642	16 487 022
Sprayers hand-operated	686 270	418 416
Oxen for draught purposes	1 144 099	2 379 163
Ploughs animal-drawn	1 103 765	739 249
Seeders animal-drawn	10 717	11 108
Carts animal-drawn	232 059	123 392
Tractors	132 058	18 694
Ploughs tractor-operated	112 218	14 219
Harrows tractor-operated	15 770	5 905
Treshers/Shellers	71 872	36 436

THAILAND - Agricultural Census 2003 - Explanatory Notes

Historical outline

In Thailand the first Agricultural Census was conducted in 1950, the second in 1963, the third in 1978, the fourth in 1993 and the fifth in 2003.

Organization

The 2003 Agriculture Census was organized by the National Statistical Office of the Ministry of Information and Communication Technology. To carry over the field work, about 25 000 enumerators were selected from village volunteers, while 5 000 supervisors were recruited among the Local Officers of the Department of Agricultural Extension.

Enumeration period

The enumeration period lasted from 13 May to 10 June 2003.

Reference date/period

The Census Day was 1 May 2003, and the majority of data refer to this date, while some items (e.g. crops, employment) refer to the 12-month period preceding the census.

Definition

- **Agricultural Holding:** is an economic unit of agricultural production (cultivating crops, rearing livestock and culturing fresh water) under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title or legal form. The holding may consist of one or more parcels, located in one or more separate areas of the same province.
- **Holder:** refer to a civil or juridical person who exercises management control and takes major decisions over the agricultural holding operations. The holder has technical and economic responsibility for the holding and may undertake all responsibilities directly or through a hired manager.

Coverage

The census covered the whole country: all holdings cultivating crops, rearing livestock and culturing fresh waters, were covered.

Frame

This report presents data for some major characteristics of agricultural holdings, based on a one percent sample of all holdings. In order to perform this task, a Stratified Two-Stage Sampling Design was adopted. The groups of Provinces in each one of the four Regions (Central, Northern, North-eastern and Southern) were the strata. The primary sampling unit was the enumeration district and the secondary sampling unit was the agricultural holding.

Method

For 2003 Agriculture Census, data were collected using the direct interview method: enumerators were sent out to interview all heads of household, using listing forms to identify agricultural holders. Approximately 5.8 million agricultural holders were interviewed using the enumeration form to gather detailed information.

Data source

Agricultural Census 2003, Advanced Report. National Statistical Office (the Website), Thailand.

Contact

National Statistical Office, Larn Luang Road, Bangkok 10100 Thailand. Tel.: (+66) 2 281 0333; Fax: (+66) 2 281 3815; E-mail: service@nso.go.th, onsoadm@nso.go.th.

Website

<http://www.nso.go.th>

THAILAND - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	5 792 519	18 313 749

NUMBER OF HOLDINGS BY SIZE		
	Number of holdings	
Total	5 792 519	-
Under 0.3 ha	301 211	-
0.3 and under 1 ha	1 013 691	-
1 and under 1.6 ha	805 160	-
1.6 and under 3.2 ha	1 616 113	-
3.2 and under 6.4 ha	1 367 034	-
6.4 and under 9.6 ha	417 061	-
9.6 and under 22.4 ha	243 286	-
22.4 ha and over	28 963	-

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	5 792 519	18 313 749
Owned	4 286 464	13 900 135
Other forms of tenure	1 506 055	4 413 614

LEGAL STATUS		
	Number of holdings	
Total	5 792 519	-
Civil persons	5 787 774	-
Corporation / Other	4 745	-

HOLDERS BY SEX		
	Number of holders	
Total	5 787 774	-
Male	4 201 924	-
Female	1 585 850	-

HOLDERS BY AGE		
	Number of holders	
Total	5 787 774	-
15 to 19 years of age	5 788	-
20 - 24	46 302	-
25 - 34	642 443	-
35 - 44	1 556 911	-
45 - 54	1 672 667	-
55 - 64	1 093 889	-
65 - 69	358 842	-
70 years of age and over	410 932	-

MEMBERS OF HOLDER'S HOUSEHOLD BY SEX		
	Number of persons	
Total	22 192 938	-
Male	11 118 662	-
Female	11 074 276	-

MEMBERS OF HOLDER'S HOUSEHOLD BY AGE		
	Number of persons	
Total	22 192 938	-
Under 15 years of age	4 238 851	-
15 - 24	3 417 712	-
25 - 34	3 905 957	-
35 - 44	3 839 378	-
45 - 54	3 217 976	-
55 - 64	1 952 979	-
65 - 69	665 788	-
70 years of age and over	954 296	-

MEMBERS OF HOLDER'S HOUSEHOLD (10 YEARS OF AGE AND OVER) BY TYPE OF ACTIVITY		
	Number of persons	
Total	19 794 969	-
Engaged mainly in agricultural work on the holding	12 213 496	-
Engaged mainly in work off the holding	4 196 533	-
Not economically active	3 384 940	-

PERMANENT WORKERS		
	Holdings reporting	Number of workers
Permanent workers	81 095	704 959
Male	-	393 367
Female	-	311 592

LAND USE		
		Area (ha)
Total land	-	18 313 749
Agricultural land	-	17 068 414
Cropland	-	16 885 277
Arable land	-	13 332 409
Permanent crops	-	3 552 867
Permanent mead./pastures	-	183 137
Wood or forest land	-	109 882
All other land	-	1 135 452

TOGO - Agricultural Census 1996 - Explanatory Notes

Historical outline

This was the third agricultural census organized in Togo. The previous agricultural censuses were organized in 1972 and 1982.

Organization

The DSID (Direction des Statistiques Agricoles, de l'Informatique et de la Documentation) in collaboration with FAO (Project GCP/TOG/014/EC) were responsible for the organization of the Agricultural Census. The persons involved in the field work were: 320 enumerators, 320 assistant-enumerators, 55 coordinators and 17 supervisors.

Enumeration period

Data collection was done during the period 28 April 1996 to 26 February 1997.

Reference date/period

Data refer to the calendar year 1996.

Definition

An agricultural holding was defined as an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, regardless to title, legal form, size or location.

Coverage

The census covered the entire country and all types of holdings.

Frame

The frame was based on a complete list of agricultural holdings compiled in a pre-census survey.

Method

Data were collected on a sampling basis. A two-stage sampling design was used. The primary sampling units were the 1 800 enumeration areas (zones de denombrement) and the secondary sampling units were 7 200 agricultural holdings. Data were collected through direct interview of holders, combined with the objective measurements of areas and production.

Data source

Recensement National de l'Agriculture 1996, Rapport Principale. Ministère de l'Agriculture et de la Pêche, République Togolaise. Décembre 1998.

Contact

Direction des Statistiques Agricoles, de l'Informatique et de la Documentation, B.P. 8377 Lomé, Togo.
Tel.: (+228) 21 6013; E-mail: dsid@bibway.com.

TOGO - Agricultural Census 1996 - Main Results

NUMBER AND CULTIVATED AREA OF HOLDINGS		
	Number of holdings	Cultivated area (ha)
Total	429 534	842 124

AREA OF HOLDINGS BY SIZE OF CULTIVATED AREA OF HOLDINGS		
		Cultivated area (ha)
Total	-	842 124
Under 1 ha	-	81 620
1 and under 2 ha	-	165 413
2 and under 5 ha	-	365 412
5 and under 10 ha	-	179 777
10 and under 20 ha	-	45 800
20 ha and over	-	4 102

HOLDINGS BY TENURE		
	Number of holdings	
Total	429 534	-
Under one form of tenure	258 824	-
Owned	196 517	-
Other single forms of tenure	62 307	-
More than one form of tenure	170 710	-

TEMPORARY CROPS		
		Area (ha)
Rice	-	26 689
Maize	-	384 796
Millet	-	53 560
Sorghum	-	123 581
Potatoes	-	116
Cassava	-	36 175
Soybeans	-	2 216
Tomatoes	-	1 198
Fonio	-	11 020
Beans	-	38 627
Groundnuts	-	74 878

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	26 660	217 221
Pigs	90 429	287 851
Sheep	119 402	841 047
Goats	220 680	1 090 577
Horses	-	1 930
Asses	-	3 086
Chickens	303 648	6 758 146
Ducks	63 365	386 286
Turkeys	5 425	56 446
Guinea fowls	104 441	1 192 122
Pigeons	18 824	225 034

TONGA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The first Census of Agriculture of Tonga was conducted in 1985. Before and after that census, some important surveys were undertaken in the agricultural sector covering subject like Consumption and Production of Crops, Livestock and Fish (1970 and 1980), Coconut Palms (1979), Coconut Age Distribution and Productivity (1980), Agricultural Inputs (1982/83), Land Utilization (1982), Animal Health Survey (1994), Annual Crop Survey (1991/92), Land Use and Crop Survey (1993), and Inventory of Coconut Palm Resources (1996) Then, in 2001 the second Census of Agriculture of the Kingdom of Tonga was conducted, to which data here reported refer.

Organization

The Ministry of Agriculture and Forestry (MAF) was entrusted with the responsibility to lead the implementation of the agricultural census project through the assistance of the Statistics Department (SD). The Chief of the Policy and Planning Section of the Corporate Services Division of MAF were appointed as the National Project Coordinator, with the assistance of the Principal Statistician of the SD to guide and supervise the entire census exercise. A National Agriculture Census Committee was constituted. Technical and financial assistance was provided, as for 1985 census, by FAO.

Enumeration period

The Agricultural Census enumeration was done in mid-December 2001.

Reference date/period

For Ownership of Api Tukupau; Crops and Trees grown by Minor Agricultural Households, Household Membership and Economic Characteristics, Livestock and Poultry: the Date of Enumeration / Time of Visit. For Level of Agricultural Activity, Method of Operation of holding, Household, Fisheries and Parcel details: 31 October 2000 to 30 September 2001. For Agricultural Income and Loan: last 5 years. Also, the week preceding the enumeration was used for some items.

Definition

- **Agricultural Holding** is an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form or size. The holding's land may consist of one or more separate parcels, providing the parcels share the same production means.
- **Parcel Plot** is a part or whole of a parcel on which a specific crop or crop mixture is cultivated.

Coverage

The census included all households residing in Tonga during the enumeration period.

Frame

The list of households in respect of each enumeration area was prepared updated by enumerators.

Method

The census methodology adopted was to undertake a complete count of all agricultural holdings and parcels, to establish the structure of agriculture at village level. A Pilot Census and a Post Enumeration Survey (PES) were conducted before and after the main census.

Three questionnaires were designed, i.e. 1. A Household Form, to determine the level of agricultural activities in the households. 2. A Holding Form, to determine the characteristics of the agricultural holdings. 3. A Parcel Form, to determine the composition of the holding in terms of plots and crops planted and harvested. Enumerator and Supervisor Manuals were also prepared.

Data source

FAO PROJECT ES: TCP/TON/0165 (A) - Technical Cooperation Programme – Agriculture Census and Statistics, Kingdom of Tonga – Terminal Statement prepared for the Kingdom of Tonga by the FAO of the UN.

Contact

Ministry of Agriculture, Forestry and Food, P.O. Box 124, Nuku'Alofa, Tonga. E-mail: maf-hg@maf.gov.to.
Department of Statistics, P.O. Box 149, Nuku'alofa, Tonga. E-mail: dept@stats.gov.to.

Website

http://www.spc.int/prism/country/to/stats/pdfs/agcen_01/agcen01.pdf

TONGA - Agricultural Census 2001 - Main Results

NUMBER OF HOLDINGS

	Number of holdings	Agricultural area (ha)
Total	10 328	27 096
Subsistence only	6 013	-
Subsistence and cash cropping	4 061	-
Cash cropping only	254	-

NUMBER AND AREA OF PARCELS BY SIZE OF PARCELS

	Number of parcels	Agricultural area (ha)
Total	15 084	-
Less than 0.4 ha	2 709	-
0.4 and under 4.0 ha	11 998	-
4.0 and under 8.0 ha	276	-
8.0 and under 20.2 ha	74	-
20.2 and under 40.5 ha	11	-
40.5 ha and over	16	-

LEGAL STATUS

	Number of holdings	Agricultural area (ha)
Total	10 328	27 096
Individuals / households	10 316	26 843
Institutions	12	253

PARCELS (OF INDIVIDUALS / HOUSEHOLDS) BY TENURE

	Number of parcels	Agricultural area (ha)
Total	15 084	26 843
Owned	4 244	11 452
Rented from others	1 075	2 366
Used for free by permission of owner	9 723	12 992
Other forms of tenure	42	33

PARCELS BY LAND USE

	Number of parcels	Agricultural area (ha)
Total land	15 084	-
Productive land	15 045	-
Agricultural land	14 930	-
Cropland	14 837	-
Arable land	13 386	-
Permanent crops	1 176	-
Fallow land	275	-
Permanent meadows & pastures	93	-
Wood or forest land	115	-
Unproductive land (All other land)	39	-

TEMPORARY CROPS

	Area harvested (ha)	
Squash	1 420	-
Cassava (manioc)	1 168	-
Yams	945	-
Futuna (American) Taro	728	-
Common Taro	887	-
Kape	286	-
Sweet potatoes	291	-
Kava Tonga	286	-

LIVESTOCK

	Households reporting	Number of head
Cattle	2 311	10 354
Pigs	11 594	113 580
Horses	1 640	3 255
Goats	805	2 741
Chickens	7 729	177 829
Ducks	126	1 119

EMPLOYMENT IN AGRICULTURE

	Number of workers	
Total workers (15 years and over)	38 269	-
Total household and non-household workers	15 593	-
Male	13 144	-
Female	449	-
Household members by sex and age	12 949	-
Male	12 525	-
Female	424	-
15 to 24 years of age	1 821	-
25 to 34	2 860	-
35 to 44	2 779	-
45 to 54	2 278	-
55 to 64	1 820	-
65 years of age and over	1 391	-
Average age	44	-
Household members by type		
Total	12 949	-
Holders/operators	10 245	-
Paid workers	10	-
Unpaid workers	2 694	-
Non-household memb. by sex and age		
Total	644	-
Male	619	-
Female	25	-
15 to 24 years of age	187	-
25 to 34	233	-
35 to 44	130	-
45 to 54	57	-
55 to 64	30	-
65 years of age and over	7	-
Average age	31	-
Non-household members by type	644	-
Holders/operators	71	-
Paid workers	269	-
Unpaid workers	304	-
Hired workers		
Total	22 676	-
Male	22 466	-
Female	210	-

PERMANENT CROPS

	Area harvested (ha)	
Vanilla	43	-

MACHINERY

	Units	
Tractors	574	-
Rotary hoes	68	-
Copra dryers	40	-
Knapsack sprayers	1 325	-
Mist blowers	819	-
Weed eaters	312	-
Chainsaws	471	-

HOLDINGS BY USE OF FERTILIZERS

	Holdings reporting use	
Organic fertilizers	610	-
Inorganic fertilizers	1 125	-

TRINIDAD AND TOBAGO - Agricultural Census 2004 - Explanatory Notes

Historical outline

The 2004 agricultural census of Trinidad & Tobago is the second conducted in the country; the previous one was organized in 1982.

Organization

The census has been organized by the Ministry of Finance and Planning and development, Central Statistical Office in collaboration with the Ministry of Agriculture, Land and Marine Resources. The Agricultural Census Unit was established on 30 October 2003

Enumeration period

The field exercise of the 2004 Agricultural Census was conducted during the period 6 July to 15 August 2004.

Definition

- **Household** consists of one person or a group of persons occupying the same living quarters and sharing at least one of the main meals.
- **Agricultural Holding** is an economic unit of agricultural production primarily for sale under single management comprising all livestock and poultry kept for agricultural purposes.
- **Holder** is the civil person, or legal entity, with the economic and technical initiative, who makes major decisions regarding use of resources and who exercises the management control over the agricultural holding operations

Coverage

The census covered the entire country.

Frame

The 2004 Agricultural Census Frame was constructed through the combination and integration of two main sources of available information:

- The Visitation Records of the 2000 Population and Housing Census, reporting questions specifically designed to capture basic characteristics of the agricultural holding and to identify individuals and households involved in agricultural activities.
- The Registration Programme of the Ministry of Agriculture, Land and Marine Resources.

Method

The Census was conducted through complete enumeration. One month after the Census field exercise was completed; a post agricultural census evaluation survey was conducted. A sample of 3 000 households from 150 Enumeration Districts (EDs) was used to determine the accuracy of the data collected during the full enumeration census.

Data source

Agricultural Census Reports 2004 (CD). Ministry of Planning and Development, The Central Statistical Office, in collaboration with The Ministry of Agriculture, Land & Marine Resources, Republic of Trinidad & Tobago.

Contact

The Central Statistical Office, National Statistics Building, 80 Independence Square, Port of Spain, P.O. Box 98, Trinidad and Tobago. Tel.: (+1) 868 623 6495; Fax: (+1) 868 625 3802; E-mail: agricensus@wow.net, info@cso.gov.tt

Website

<http://cso.gov.tt/cso/statistics/agriculture.aspx>

TRINIDAD AND TOBAGO - Agricultural Census 2004 - Main Results

NUMBER OF HOLDINGS		
	Number of holdings	Area (ha)
Total	19 111	84 990
Trinidad	18 142	-
Tobago	969	-

NUMBER OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Total	19 111	-
Holdings without land	160	-
Under 0.5 ha	4 183	-
0.5 and under 1 ha	2 437	-
1 < 2 ha	3 448	-
2 < 5 ha	6 445	-
5 < 10 ha	1 683	-
10 < 50 ha	698	-
50 < 100 ha	31	-
100 < 200 ha	14	-
200 < 500 ha	9	-
500 ha and over	3	-

NUMBER AND AREA OF PARCELS		
	Number of parcels	Area (ha)
Total	26 131	84 990

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	19 111	84 990
One individual/ household	18 591	49 941
Two or more individuals / households	460	1 140
Cooperative	1	14
Corporation	34	4 972
Government	21	28 910
Other	4	13

HOLDERS BY SEX		
	Number of holders	
Total Private Holders (Civil persons)	19 051	-
Male	16 249	-
Female	2 802	-

NUMBER OF HOLDINGS BY NUMBER OF WORKERS		
	Number of holdings	
Total (Private)	19 051	-
Holdings with:		
Permanent workers (6 months and more)	16 502	-
Temporary workers (3 to 6 months)	1 832	-
Occasional workers (Less than 3 months)	717	-

HIRED WORKERS		
	Number of workers	
Total	36 482	-
Male	33 334	-
Female	3 148	-
Hired managers	213	-
Permanent hired workers	8 924	-
Temporary hired workers	10 760	-
Occasional hired workers	16 585	-

AREA BY TENURE		
	Area (ha)	
Total	84 990	-
Owned by the holder	53 670	-
Rented from others	16 786	-
On squatter basis	7 122	-
Other forms of tenure	7 411	-

AREA BY LAND USE		
	Area (ha)	
Total	84 990	-
Cropland	49 697	-
Permanent meadows and pastures	6 201	-
Cultivated	2 869	-
Uncultivated	3 332	-
Fallow land	9 874	-
Wood or forest land	4 262	-
All other land	14 956	-

MAIN TEMPORARY CROPS		
	Area (ha)	
Sugarcane	14 924	-
Rice	1 394	-
Pumpkin	781	-
Hot pepper	768	-
Tomatoes	536	-
Water melons	257	-

MAIN PERMANENT CROPS		
	Number of trees	
Avocados	32 015	-
Banana	2 421 904	-
Breadfruit	27 694	-
Cashew nut	21 618	-
Cocoa	5 377 334	-
Coconut	669 071	-
Coffee	2 153 066	-
Grapefruit	135 799	-
Green figs	505 527	-
Limes	34 997	-
Mangoes	76 170	-
Oranges	768 013	-
Papaya	243 506	-
Peeway	30 537	-
Pineapples	2 324 698	-
Plantain/moko	1 173 104	-
Portugal/Mandarin/Tangerine	190 915	-

LIVESTOCK		
	Holdings reporting	Number of head
Cattle/Bufaloes	1341	19 088
Sheep	961	20 726
Goats	1132	12 500
Pigs	954	54 855
Poultry, total	2605	5 740 783
Ducks	-	171 170
Turkeys	-	2 045
Rabbits	206	6 985

MACHINERY		
	Units	
Tractors	5 129	-
Pumps	3 205	-
Sprinklers	7 286	-
Sprayers (hand operated)	15 787	-
Harrows	157	-
Rotary Hoes	1 079	-
Ploughs	2 408	-

TRANSPORT EQUIPMENT		
	Units	
Trucks	310	-
Jeeps/Station wagons/Pickup/Vans	2 741	-
Wheel barrows	2 398	-
Trailers	2 032	-

TUNISIA - Agricultural Census 2004/05 - Explanatory Notes

Historical outline

The first Census of Agriculture (Enquête Agricole) after independence was conducted in Tunisia in 1961/62. The second was conducted in 1994/95, while the third Enquête Agricole, to which data here presented refer, was conducted in 2004/05.

Organization

The "Enquête Agricole 2004/05" was organized and implemented by the "Ministère de l'Agriculture, de l'Environnement et des Ressources Hydrauliques – Direction Générale des Etudes et du Développement Agricole (DG/EDA)".

Enumeration period

The enumeration period took place from November 2004 to March 2005.

Reference date/period

For data on livestock: the day of enumeration. All other information: the agricultural year (September 2003 to August 2004).

Definition

- **Agricultural Holding:** The Agricultural Holding is defined as an economic unit of agricultural production, managed by civil or juridical persons having the technical and economic responsibility for the operation of the holding, regardless to title or legal form.
- **Parcel (Parcelle):** It is a piece of cultivated land forming part of a holding. Parcels should be at least 500 meters distant one from the other. A parcel could be crossed by paths, tracks, roads or brooks and it may consist of more than one field (champ).
- **Field (champ):** It is defined as a piece of land cultivated under a single crop.

Coverage

The census covered the entire country. To be considered Agricultural Holding, one of the following minimum size conditions was to be satisfied: (1) At least 100 square meters of irrigated cultures;(2) One hectare of not irrigated cultures; (3) One milk cow; (4) Six female sheep or goats; (5) Ten mares; (6) Ten female camels; (7) Five hundred chickens and fifty laying-hens; (8) Twenty bee-hives of a certain size; or (9) Fifty adult female-rabbits, five cages of adult males and five cages of young rabbits.

Frame

Small and **Medium** agricultural holdings were identified through the application of special sampling techniques, while for Large Holdings, either Private or belonging to Government, a complete list was available. Aerial photos and military maps were used to identify rural segments.

Method

For the "Enquête Agricole 2004/05", a combination of sampling and complete enumeration methods was adopted. **Complete enumeration** of large holdings was carried out. **Sampling method** was applied to medium and small holdings. Different stratification criteria were adopted for urban and rural areas: **Urban areas** were divided into Census Districts, each one including a certain number of households. All heads of household in the selected districts were directly interviewed in order to identify those operating an agricultural holding, so that all agricultural holdings in the selected district were included in the sample. In **rural areas** a number of strata were created, and each stratum was divided into sub-strata and then into geographical areas called Segments. Then a sample of segments was selected and in each segment all heads of household were interviewed, in order to identify those operating an agricultural holding, so that all agricultural holdings in the selected segment were part of the sample.

Data source

Enquête sur les Structures des Exploitations Agricoles 2004/05. Ministère de l'Agriculture, de l'Environnement et des Ressources Hydrauliques, Direction Générale des Etudes et du Développement Agricole, République Tunisienne.

Contact

Ministère de l'Agriculture et des Ressources Hydrauliques, Direction Générale des Etudes et du Développement Agricole, 30 Avenue Alain Savary 10002, Belvédère, République Tunisienne.
Tel.: (+216) 717 989 09, (+216) 718 909 04; Fax: (+216) 717 857 64.

Website

<http://www.onagri.nat.tn>

TUNISIA - Agricultural Census 2004/05 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	515 850	5 391 800

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	515 850	5 391 800
Without land	9 982	-
Under 1 ha	69 227	26 700
1 and under 2 ha	61 075	91 000
2 and under 5 ha	140 161	468 700
5 and under 10 ha	109 303	776 000
10 and under 20 ha	71 386	988 700
20 and under 50 ha	40 747	1 221 200
50 and under 100 ha	9 762	656 200
100 ha and over	4 207	1 163 300

HOLDINGS BY NUMBER OF PARCELS		
	Number of holdings	Number of parcels
Total holdings with land	505 868	-
Holdings with:		
1 parcel	276 270	-
2 to 3 parcels	180 663	-
4 to 5 parcels	35 756	-
6 parcels and more	13 179	-
Total	-	942 895

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	515 850	5 391 800
Civil persons	515 357	5 027 300
Corporation	100	15 800
Cooperative	43	36 900
Government	255	293 200
Others	95	18 600

TENURE OF LAND		
		Area (ha)
Total		5 391 800
Area owned		4 698 381
Area rented		693 419

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
		Number of persons
Total	-	488 900
Male	-	333 800
Female	-	155 100

HIRED PERMANENT WORKERS		
		Number of persons
Total		52 800
Male		48 400
Female		4 400

LAND USE		
		Area (ha)
Total land	-	5 391 800
Agricultural land	-	5 271 400
Cropland	-	4 884 100
Permanent meadows/past.	-	387 300
Wood or forest land	-	20 900
All other land	-	99 500

TEMPORARY CROPS		
		Area (ha)
Wheat		963 900
Barley		526 000
Potatoes		23 300
Tomatoes		26 400

PERMANENT CROPS		
	Area (ha)	Number of trees/ plants
Olives	1 704 200	65 897 100
Grapes for raisins	33 000	58 747 700
Apples	25 800	8 641 700
Pears	12 900	6 593 500
Oranges	17 600	4 258 600
Peaches	16 500	3 768 300

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	112 155	660 300
Sheep	273 944	6 955 000
Goats	141 103	1 412 200
Horses	-	24 647
Mules	-	40 091
Asses	-	123 067
Camels	2 884	23 549
Chickens	240 933	26 184 800
Turkeys	-	1 070 200

TURKEY - Agricultural Census 2001 - Explanatory Notes

Historical outline

The 2001 General Agricultural Census (GAC) is the seventh conducted in Turkey, after those carried out in 1927, 1950, 1963, 1970, 1980 and 1991. It consists of two surveys: the Villages Information Census (full census of villages) and the Agricultural Holdings/Household Sample Survey, to which these notes and data refer.

Organization

The 2001 GAC was organized by the State Institute of Statistics (SIS) in collaboration with the Ministry of Agriculture and Rural Affairs. To conduct this census, a Work Group and an Agricultural Census Committee, consisting of personnel from the departments relevant to agriculture, were formed under the supervision of the President of SIS. Province Committees and District Workgroups were also established to implement field work.

Enumeration period

The census was carried out between 28 May and 30 September 2001.

Reference date/period

The production year considered was the twelve-month period from 1 October 2000 to 30 September 2001.

Definition

Agricultural holding is defined as an economic unit of agricultural production under single management comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regarding to title, legal form or size.

Coverage

Geographically, the census covered the entire country.

Frame

The frame for the **Village General Information Survey** consisted of Agricultural Holdings Lists prepared by village government administrators (muhtars).

The frame for the **Agricultural Holdings/Households Sample Survey** was:

- For the First Stage: a list of villages/settlements with less than 5000 inhabitants obtained from the 1997 Village Inventory.
- For the Second Stage: a list of holdings prepared by surveyors in the village/settlements sampled at the first stage.

Method

- **Complete enumeration** was applied to holdings in villages/settlements with 5 000 inhabitants and more.
- **A stratified two-stage sampling design** was applied to holdings located in villages/settlements with less than 5 000 inhabitants.
 - The first-stage sampling units were villages/settlements (with less than 5 000 inhabitants) which were selected with probability proportional to village size.
 - The second-stage sampling units were the agricultural holdings, which in rural areas generally correspond to households.

Ten holdings were drawn by systematic sample selection from each sample village/settlement.

Data source

Census of Agriculture 2001. State Institute of Statistics, Prime Ministry, Republic of Turkey.

Contact

State Institute of Statistics, Prime Ministry, Necatibey Cadessi N. 114, 06100 Ankara, Turkey.

E-mail: yayin@die.gov.tr

Website

http://www.turkstat.gov.tr/VeriBilgi.do?tb_id=44&ust_id=13

TURKEY - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	3 076 649	18 434 822

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	3 076 650	18 434 822
Without land	54 523	-
Under 0.5	178 006	48 199
0.5 and under 1 ha	290 461	195 247
1 and under 2 ha	539 816	737 802
2 and under 5 ha	950 840	2 953 162
5 and under 10 ha	560 049	3 812 703
10 and under 20 ha	327 363	4 388 440
20 and under 50 ha	153 685	4 207 550
50 and under 100 ha	17 429	1 121 855
100 and under 250 ha	4 199	547 693
250 and under 500 ha	222	69 554
500 ha and over	57	352 617

FRAGMENTATION		
	Number of holdings	Number of parcels
Total holdings with land	3 022 127	12 323 405
Holdings consisting of:		
1 parcel	588 766	588 766
2 parcels	634 141	1 268 285
3 parcels	485 352	1 456 054
4 - 5 parcels	615 313	2 722 080
6 - 9 parcels	484 520	3 449 708
10 parcels and over	214 035	2 838 512

LEGAL STATUS		
	Number of holdings	Area (ha)
Total number of holdings	3 076 649	18 434 822
Holdings operated by:		
An individual or a household	3 069 535	17 998 796
Two or more individuals/households	6 691	102 789
Others	423	333 237

TENURE OF LAND		
	Number of holdings	Area (ha)
Total holdings with land	3 022 127	18 434 822
Under one form of tenure	3 016 834	18 375 414
Owned	2 914 438	17 765 186
Rented	92 792	563 828
Other single forms	9 604	46 400
More than one form of ten.	5 293	59 408

HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURAL WORK ON THE HOLDINGS		
	Number of persons	of wich/salaried workers
Total	8 165 449	-
Male	4 448 852	3 772
Female	3 716 597	577

LAND USE		
	Number of holdings	Area (ha)
Total holdings with land	3 022 127	18 434 822
Agricultural land	-	17 723 501
Cropland	-	17 165 463
Arable land, of which:	-	15 362 984
Temporarily fallow	-	2 737 560
Permanent crops	-	1 802 479
Permanent mead./past.	-	558 038
Wood or forest land	-	241 461
Other unused land	-	469 860

IRRIGATION		
	Number of holdings	Area (ha)
Total	3 022 127	-
Holdings reporting irrigation	1 295 676	-
Irrigated area	-	3 505 749

MAIN TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	2 442 889	12 253 912
Barley	768 745	2 438 960
Maize	453 294	337 394
Lentils	61 797	234 977
Sunflower seed	135 616	475 799
Chick peas (grams)	197 025	362 894
Potatoes	158 487	70 730
Lettuce	696 196	368 134
Peppers	164 381	33 637
Green beans	285 446	53 654
Tomatoes	282 690	80 524

MAIN PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples	171 551	87 643
Pears	36 078	6 918
Cherries	72 320	31 499
Peaches	52 466	41 115
Apricots	59 465	69 140
Sour cherries	39 352	22 381
Figs	29 956	25 705
Mandarins	11 069	13 201
Oranges	28 010	33 201
Olives	196 361	297 492
Grapes	327 006	266 649
Hazelnuts	334 881	569 585

LIVESTOCK		
		Number of head
Cattle	-	9 840 100
Buffaloes	-	134 585
Sheep	-	18 565 855
Goats	-	6 230 160
Horses	-	212 369
Mules	-	73 331
Asses	-	318 826
Camels	-	6 606
Chickens	-	37 058 340
Turkeys	-	925 806
Geese	-	786 926

MACHINERY		
	Holdings reporting	Units
Tractors		
Owned by the holder	886 691	914 732
Harvester-Threshers (Combines)		
Owned by the holder	16 874	17 119
On share basis	4 384	4 474
Disk harrows		
Owned by the holder	357 827	364 466
On share basis	24 394	25 159
Cultivators		
Owned by the holder	437 646	446 673
On share basis	33 230	34 853
Ploughs		
Owned by the holder	805 377	845 752
On share basis	55 834	58 919

Historical outline

Uganda participated in 1950 to the World Census of Agriculture Programme. Between 1963 and 1965, Uganda Government conducted an Agricultural Census with technical assistance from the United Kingdom Government and the FAO. After the Census, two follow-up annual agricultural surveys were carried out. In 1986/87 a Livestock Sector Survey was conducted. A National Census of Agriculture and Livestock (NCAL) was conducted during 1990/91, with funding from UN Development Programme (UNDP) and technical assistance from FAO, followed by two annual agricultural sample surveys. Data here presented refer to the Agricultural Module developed during the Population and Housing Census conducted in 2002 (PHC 2002).

Organization

The PHC 2002, including the Agricultural Module, was organized and conducted by the Uganda Bureau of Statistics (UBOS). Over 45 000 Enumerators visited and interviewed all households in the 56 Districts of the Country during the enumeration period.

Enumeration period

The data on Agricultural Module (AM) of the PHC 2002 were collected between 13 – 20 of September 2002 (census week).

Reference date/period

Livestock numbers refer to animals on the holding at the time of enumeration. For poultry keeping, the average number of poultry reared per month in the last three months was requested. Reference period for crop growing was the season from January to June 2002.

Definition

- **Agricultural household** is defined as a household registered in the AM confirming that one or more of household members were engaged in agricultural activity, like crop growing, livestock rearing, poultry keeping or fish farming. No minimum size of land was required.
- **Parcel** is a piece of land entirely surrounded by other land, water, roads, etc. not forming part of the holding.
- **Crop plot** is a piece of land within the holding on which a specific crop or crop mixture is cultivated.

Coverage

Geographically, the Agricultural Module (AM) of the 2002 PHC covered the entire country.

The AM of the 2002 PHC was administered on a universal basis and therefore covered all households engaged in agriculture in Uganda. Private Large Scale and Institutional Farm Sector were not investigated.

Frame

The AM was designed as an attachment to the main questionnaire of the PHC 2002. Thus the agriculture census relied on the mapping and description of enumeration areas prepared for the Population Census. Main purpose of the AM of the PHC 2002 was to provide appropriate sampling frames for a detailed Uganda Census of Agriculture and Livestock (UCAL) and other agricultural surveys.

Method

The AM was piggy-backed onto the PHC 2002. When a household with agriculture activities was detected, a very brief questionnaire (compared to those designed for conventional agricultural censuses and surveys) was used to collect data on key variables about household-based agricultural activities. The AM provided the first complete enumeration of household-based agricultural activity ever taken in the country.

Data source

Report on the Agricultural Module, Piggy-Backed onto the Population and Housing Census (PHC), 2002 – September 2004. Uganda Bureau of Statistics (UBOS)

Contact

Uganda Bureau of Statistics (UBOS), P.O. Box 7186, Kampala, Uganda. Tel. : (+256) 41 320 741; Fax:(+256) 41 320 147; E-mail: ubos@ubos.org

Website

<http://www.ubos.org>; <http://harvestchoice.org/maps-etc/Uganda>

UGANDA - Population and Housing Census 2002: Agric. Module - Main Results

NUMBER OF HOLDINGS AND NUMBER OF CROP PLOTS		
	Number of holdings	Number of crop plots
Total	3 833 485	12 455 458

LAND USE	
	Holdings reporting
Area planted	3 359 516

TEMPORARY CROPS	
	Holdings reporting
Cassava	1 465 618
Sweet potatoes	1 061 743
Maize	1 150 913
Sorghum	482 645
Millet	569 213
Beans, dry edible	1 501 482
Groundnuts	571 736

PERMANENT CROPS	
	Holdings reporting
Bananas	934 558
Coffee	241 610
Simsim	154 789

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	-	6 282 507
Indigenous	752 195	5 749 412
Exotic/Crossbreed	77 009	533 095
Sheep	233 750	1 555 431
Goats	1 165 889	5 168 023
Pigs	370 905	773 386
Chickens, total	-	12 859 337
Indigenous	-	11 030 699
Exotic/Crossbreed	-	1 828 638
Ducks	-	685 334
Turkeys	-	195 032
Guinea Fowls	-	66 209
Geese	-	16 978

UNITED KINGDOM - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

An agricultural census is annually conducted in the United Kingdom since 1866. The United Kingdom is participating in the ten yearly rounds of the World Census of Agriculture Programme since 1930 with a selected year. Data here presented refer to the June 2002 Agricultural Census.

Organization

Parallel Censuses of Agriculture and Horticulture are carried out annually, at the beginning of June, by the Agricultural Departments of England, Wales, Scotland and Northern Ireland. In the past, the Ministry of Agriculture, Fisheries and Food (MAFF) was responsible for the aggregation and production of results referred to the United Kingdom as a whole. At present, the functions of MAFF have been taken over by the Department for Environment, Food and Rural Affairs (DEFRA). Information is collected under the authority of the Agricultural Statistics Act 1979 as amended by the Agriculture Amendment Act 1984, requesting farmers for information on agricultural activity as of June each year.

Enumeration period

The census day was 5 June 2002.

Reference date/period

- Data on land use, land tenure and livestock movements refer to the 12 months preceding the census day.
- Data on area cropped, area sown, greenhouses in use, livestock numbers and employment are reported as at 5 June 2002.

Definition

Measure of economic size of holding

The farm size unit presently in use is the European Size Unit (ESU) defined as 1 200 Euros of Standard Gross Margin (SGM) calculated by multiplying the farm crop area and livestock numbers by appropriate SGM coefficients and then summing the results for all farm enterprises.

The size classification in ESU, as applied to the June Census, originated (in line with Eurostat methodologies) the following groups of holdings to be used for sample selection purposes.

- very small holdings- under 8 ESU
- small holdings- 8 and under 40 ESU
- medium holdings- 40 and under 100 ESU
- large holdings- 100 and under 200 ESU
- very large holdings - 200 ESU and over

Coverage

The census covers England, Wales, Scotland and Northern Ireland.

Frame

A central list of names and addresses of agricultural holdings is maintained and kept up-to-date using information from various sources like the operations of the census itself, the census-based sample surveys and the Agriculture Departments' administrative dealings with farmers.

Method

Information is collected by postal questionnaire. Census forms are sent to approximately 60 percent of registered farms. In the recent years both data collection and presentation methods have undergone significant changes. For the first time in 1995 an element of sampling was introduced in the census. In 1998 a geographical information system was developed, which has enabled more accurate and flexible data presentation. Alterations to geographical boundaries began to be introduced in 2000, to bring data in line with European Union requirements.

Data source

Agricultural and Horticultural Census 5 June 2002. Department for Environment, Food and Rural Affairs (DEFRA) National Statistics, London the United Kingdom.

Contact

Farming Statistics, Department for Environment, Food and Rural Affairs (DEFRA), Room 133A, Foss House, Kings Pool, 1 – 2 Peasholme Green, York YO1 7PX. Tel.: (+44) 1904 455 332, (+44) 1904 455 329; E-Mail: farming-statistics@defra.gsi.gov.uk.

Website

<http://farmstats.defra.gov.uk>

UNITED KINGDOM - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	233 250	16 527 630

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	233 250	16 527 630
without agricult. land	11 010	22 600
0 - 2 ha of agric. area	21 370	24 300
2 - 5 ha	21 480	86 400
5 - 10 ha	25 670	206 600
10 - 20 ha	30 420	471 530
20 - 30 ha	19 930	518 600
30 - 50 ha	27 900	1 143 500
50 - 100 ha	36 600	2 711 940
>= 100 ha	38 870	11 342 160

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	205 560	-
Other	27 690	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	15 798 510
Owned	-	10 456 940
Rented	-	5 341 570

HOLDERS BY SEX		
	Number of holders	
Total	205 560	-
Male	178 570	-
Female	26 990	-

HOLDERS BY AGE		
	Number of holders	
Total	205 560	-
< 35 years of age	10 790	-
35 to 44	36 160	-
45 to 54	52 660	-
55 to 64	53 880	-
65 and over	52 070	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	396 690	-
Male	267 410	-
Female	129 280	-
Of which, full time:		
Total	134 950	-
Male	112 230	-
Female	22 720	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	142 650	-
Of which, full time:	75 050	-

LAND USE		
	Number of holdings	Area (ha)
All land	233 250	16 527 630
Agricultural land	-	15 798 500
Cropland	-	6 440 390
Arable land	116 660	6 402 490
Permanent crops	8 400	37 900
Permanent mead./past.	193 690	9 358 110
Wood / forest land	52 190	458 670
All other land	-	270 460

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Soft wheat	41 020	2 083 900
Rye	420	7 180
Barley	47 080	1 126 300
Oats	9 400	108 610
Dry pulses	10 450	207 500
Potatoes	14 450	165 750
Sugarbeets	8 560	172 570
Industrial plants	18 560	487 960
Hops	180	2 340
Rapeseed and Turnip	15 120	404 680
Vegetables (grown in the open)	8 480	121 840

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	114 900	11 090 680
of which: dairy cows	31 860	2 334 840
Sheep	82 180	41 898 890
Goats	7 120	68 490
Pigs	11 190	6 442 720
Chickens, total	-	153 110 000
Broilers	1 970	105 300 000
Laying hens	27 080	47 810 000

UNITED STATES OF AMERICA - Agricultural Census 2002 - Explanatory Notes

Historical outline

This was the 26th Census of Agriculture organized in the United States. From 1840 to 1950 it was organized on a decennial basis and later on every five years. From 1977 it was organized in years ending with 7 and 2.

Organization

The 1997 Appropriations Act transferred the responsibility of the Agricultural Census from the Bureau of the Census, which had organized 24 censuses, to the National Agricultural Statistics Service (NASS) of the US Department of Agriculture (USDA), which organized the 25th agricultural census in 1997, and the 26th in 2002.

Enumeration period

Data were collected through a mail survey. The mail out took place during the middle of December 2002.

Reference date/period

The reference date for inventory items was 31 December 2002, while for other data reference period was the calendar year 2002.

Definition

- **Agricultural holding** is any place involved in agricultural operations, from which US\$ 1 000 or more of agricultural products were produced and sold during the census year.
- **Abnormal holdings** include Institutional, Research, Experimental and American Indian Reservation Farms.

Coverage

The agricultural census covered the entire country and all sectors of agriculture.

Frame

Since the census was organized as a mail survey, the main part of the frame was a mail list called Census Mail List (CML). This list was assembled from previous census records, USDA mail registers, and other authorized sources, and then increased by NASS with the inclusion of lists provided by State and Federal Agencies and trade associations, like Federal Government, producer associations, seed growers, pesticide applicators, veterinarians, marketing associations and special commodity growers.

Method

Data were collected through a mail out/mail back enumeration method, with two follow-up to non respondents. The Census was based on a combination of complete enumeration and sampling: the sampling method was fully applied in Alaska and Rhode Island, while in the other States complete enumeration was applied to holdings reporting special characteristics (e.g. holdings expected to have a large total value of agricultural products sold or a large area); complete enumeration was also applied to counties which reported, in 1997 agricultural census, less than 100 holdings. Prior to the initial mail out, NASS Field Offices selected (tagged) approximately 30 000 respondents for personal enumeration rather than mail out/mail back enumeration. Two different questionnaires were used, called "Non-Sample" and "Sample" Forms. 12 regional versions of the Non-Sample Form and 13 regional versions of the Sample Form were used: the Non-Sample Forms, consisting of 19 sections for the collection of basic information; the Sample Forms, containing the same 19 sections plus an additional five sections covering items such as fertilizers and chemicals, machinery, farm labour etc.

Data source

Census of Agriculture 2002, Summary and State Data (Vol.I), Geographic Series, Part 51. United States Department of Agriculture (USDA), the United States of America.

Contact

United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), 1400 Independence Ave., SW Washington, DC 20250. Tel.: (800) 727 9540; (+1) 202 720 3878; E-mail: nass@nass.usda.gov.

Website

<http://www.nass.usda.gov>

UNITED STATES OF AMERICA - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	No. of holdings	Area (ha)
Total	2 128 982	379 712 151

NUMBER AND AREA OF HOLDINGS BY SIZE		
	No. of holdings	Area (ha)
Total	2 128 982	379 712 151
0.4 and under 4.0 ha	179 346	343 016
4.0 and under 20.2 ha	563 772	5 953 965
20.2 and under 56.6 ha	517 075	18 094 457
56.6 and under 105.2 ha	304 734	23 235 893
105.2 and under 202.3 ha	225 513	32 626 275
202.3 and under 404.7 ha	161 552	45 505 023
404.7 and under 809.4 ha	99 020	54 906 585
809.4 ha and over	77 970	199 046 938

LEGAL STATUS AND GENDER OF HOLDER		
	No. of holdings	Area (ha)
Total	2 128 982	379 712 151
Civil persons	1 909 598	251 636 271
Male	1 671 799	227 604 339
Female	237 819	24 031 932
Corporation	73 752	43 843 946
Cooperative	16 039	24 960 317
Others	129 593	59 271 617

HOLDINGS BY TENURE		
	No. of holdings	Area (ha)
Total	2 128 982	379 712 151
One form of tenure	1 577 978	179 385 665
Owned	1 428 136	144 380 161
Rented	149 842	35 005 505
More than one form of ten.	551 004	200 326 486

TENURE OF LAND		
		Area (ha)
Total	-	379 712 151
Owned	-	236 728 929
Rented	-	142 983 223

HIRED WORKERS		
	Holdings reporting	Number of persons
Total	554 434	3 036 470

LAND USE		
	No. of holdings	Area (ha)
All land	2 128 982	379 712 151
Agricultural land	-	335 667 601
Cropland	1 751 450	175 702 212
Permanent mead./past.	850 913	159 965 389
Wood or forest land	818 105	30 707 154
All other land	-	13 337 396

IRIGATION		
	Holdings reporting	Area (ha)
Land irrigated	299 583	22 383 904

TEMPORARY CROPS		
	Holdings reporting	Area harvested (ha)
Soybeans for beans	317 611	29 299 493
Maize for grain	348 590	27 612 210
Wheat	169 528	18 421 479
Cotton	24 805	5 040 884
Sorghum	33 172	2 733 813
Barley	24 747	1 625 095
Vegetables / melons	54 391	1 496 845
Rice	8 046	1 294 053
Oats	63 763	808 132
Sunflower	7 506	741 973
Sugar beets	5 027	552 713
Potatoes	9 408	512 373
Groundnut for nuts	8 640	494 974
Sugarcane	953	395 946
Linseed	3 010	259 523
Tobacco	56 997	173 463
Sweet potatoes	2 366	37 357

PERMANENT CROPS		
	Holdings reporting	Area harvested (ha)
Citrus fruits	17 727	517 730
Grapes	23 856	429 091
Almonds	6 482	281 921
Pecan nuts	22 371	220 695
Apples	26 853	187 786
Walnuts	7 025	118 449
Peaches	14 526	74 663
Pineapples	34	4 132

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	1 018 359	95 497 994
of wich:		
Beef cows	796 436	33 398 271
Milk cows	91 989	9 103 959
Hogs and pigs	78 895	60 405 103
Sheep	73 814	6 341 799
Goats	91 462	2 530 466
Horses and ponies	542 223	3 644 278
Chickens, total	-	1 732 714 202
Layers (20 weeks and more)	98 315	334 435 155
Broilers and other chickens for meat	37 937	1 398 279 047
Turkeys	16 586	93 028 191

URUGUAY - Agricultural Census 2000 - Explanatory Notes

Historical outline

Seventeen agricultural and livestock censuses have been carried out in Uruguay from 1852 to 1990, of which thirteen agricultural and four livestock censuses. The eighteenth and the latest, to which data presented here refer, is the 2000 General Census of Agriculture.

Organization

A National Census Committee was formed to coordinate the various phases of the census. The Direction of Agriculture and Livestock Statistics (DIEA) of the Ministry of Livestock, Agriculture and Fisheries (MGAP), was charged with the organization and conducting of the 2000 General Census of Agriculture in 103 Supervision Areas (AS). All over the country 700 persons were employed as enumerators or supervisors.

Enumeration period

The census enumeration was conducted between 14 August and 10 November 2000.

Reference date/period

The reference date for holder and holdings characteristics and livestock numbers was 30 June 2000. For area sown and crop production, the reference period was the agricultural year (census year) 1 July 1999 to 30 June 2000.

Definition

- **Agricultural holding** is a production unit under single management, including all land totally or partly used for agriculture, livestock keeping or forestry. For census purposes, were included in the enumeration only the agricultural holdings reporting a minimum size of 1 ha, operated during the entire census year or a part of it, regardless of the type of activity, either for home consumption or for sale.
- **Area operated** includes all land of all parcels, operated by the holder under any tenure form, at 30 June 2000.

Coverage

The census covered all holdings one hectare and more of the country.

Frame

A new digitalized cartographic system was adopted for the 2000 Agricultural Census, in order to have the Agricultural Census cartography more comparable with the one used for the Population and Dwelling Census.

Method

The 2000 census was conducted on a complete enumeration basis, according to a 1978 Decree which stated that an agriculture and livestock census was to be undertaken on a complete enumeration basis in years ending in zero, in line with the FAO World Census of Agriculture Programme; while, in years ending in five, an agricultural survey was to be conducted on a sampling basis. The country, administratively divided into Departments, was sub-divided into 634 Enumeration Areas (AE). Data were collected through personal interview of the holders using a questionnaire consisting of ten thematic sections.

Data source

Censo General Agropecuario 2000, Resultados Definitivos, Volumen I and II. Ministerio de Ganadería, Agricultura y Pesca – Estadísticas Agropecuarias, Uruguay.

Contact

- Ministerio de Ganadería, Agricultura y Pesca, Constituyente 1476 C.P. 11.200 Montevideo, Uruguay.
Tel.: (+598) 2 410 4155, (+598) 2 410 4159.
- Dirección de Investigaciones Económicas Agropecuarias (DIEA), Constituyente 1476.
Tel: (+598) 2 418 2054, (+598) 2 418 2055; E-mail: secretaria_diea@mgap.gub.uy.

Website

<http://www.mgap.gub.uy>

URUGUAY - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	57 131	16 419 683

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	57 131	16 419 683
1 - 4 ha	6 260	16 516
5 - 9 ha	7 086	47 611
10 - 19 ha	7 118	97 841
20 - 49 ha	8 934	285 254
50 - 99 ha	6 647	472 928
100 - 199 ha	6 382	910 286
200 - 499 ha	6 783	2 162 836
500 - 999 ha	3 887	2 725 637
1 000 - 2 500 ha	2 912	4 441 627
2 500 - 5 000 ha	838	2 837 134
5 000 - 10 000 ha	228	1 504 482
10 000 ha >	56	917 531

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	57 131	16 419 683
Civil person	49 302	10 159 084
Corporation	7 336	6 103 333
Government	395	75 543
Other	98	81 723

TENURE OF LAND		
		Area (ha)
Total	-	16 419 683
Owned	-	11 384 688
Rented	-	3 854 882
Other forms of ten.	-	1 180 113

HOLDER'S HOUSEHOLD MEMBERS BY SEX AND AGE		
	Number of persons	
Total	189 838	-
Male	111 761	-
< 14 years	20 766	-
14 - 64	78 670	-
65 and over	12 325	-
Female	78 077	-
< 14 years	18 628	-
14 - 64	50 881	-
65 and over	8 568	-

MEMBERS OF THE HOLDER'S HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	114 488	-
Male	76 734	-
Female	37 754	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	56 044	-
Male	47 549	-
Female	8 495	-

LAND USE		
		Area (ha)
All land	-	16 419 683
Agricultural land	-	14 956 889
Cropland	-	1 414 119
Arable land	-	1 373 198
Permanent crops	-	40 921
Permanent mead./past.	-	13 542 770
Wood or forest land	-	1 250 722
All other land	-	212 072

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	2 112	213 538
Rice	634	174 728
Maize	4 516	51 177
Sorghum	647	27 547
Barley	888	67 014
Oats	1 453	32 251
Soybeans	64	13 901
Cotton	8	709
Sugarcane	129	2 811
Sunflower	314	51 655
Tobacco	132	257
Linseed	4	129

PERMANENT CROPS		
	Holdings reporting	Number of trees/plants
Oranges	536	2 816 149
Tangerines	364	2 762 473
Lemons	323	653 925
Pomelos	96	163 895
Apples	966	2 119 064
Pears	629	529 944
Quinces	190	206 634
Peaches	1 374	2 007 497
Nectarines	126	75 737
plums	637	253 868
Grapes	1 721	30 170 658

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	47 735	10 137 957
Sheep	28 796	12 900 237
Pigs	18 923	293 874
Horses	39 657	415 434
Chickens/other fowls	32 623	10 617 288
Beehives	7 069	315 653

VENEZUELA - Agricultural Census 1996/97 - Explanatory Notes

Historical outline

This was the sixth Agricultural Census in Venezuela. Previous censuses were organized in 1937, 1949, 1961, 1971 and 1985.

Organization

The census was organized by the Ministry of Agriculture and Livestock (MAC) and for this purpose a Central Office was established. Many other institutions and organizations cooperated in the census organization (BCV, OCEI, COODIPLAN, FAO, Universities and others). An experimental census was organized in Yaracuy, with the scope to test the frame, the questionnaires and all other operational aspects. The staff employed in the field work included 449 Supervisors and 3 000 Enumerators. In addition, MAC was using 358 professionals for work on quality control, consisting of 18 National Supervisors, 23 State Coordinators, 71 Zone Supervisors and 246 Field Supervisors.

Enumeration period

The bulk of enumeration took place in the period July 1997 to January 1998.

Reference date/period

Inventory items refer to the day of enumeration. Other data refer to the agricultural year 1 April 1996 to 31 March 1997.

Definition

Agricultural holding was defined as an economic unit of agricultural production under single management, comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title and legal form.

Places with less than the minimum size, abandoned holdings and those used only for recreation, were not considered as agricultural holdings.

Coverage

The census covered the entire national territory and all sectors of agriculture.

Frame

The frame was based on municipal and parochial maps available from the XII Census of Population and Housing. Based on these maps, 5 422 Enumeration Areas were delineated for the Census of Agriculture. The list of agricultural holdings was finalized at the time of data collection.

Method

The census was organized on a complete enumeration basis through a direct interview of holders. Two questionnaires were used:

- F1 was used at the listing stage to define the list of agricultural holdings to be enumerated.
- F2 was used for the enumeration of listed agricultural holdings.

Data source

VI Censo Agrícola, Boletín Informativo de Resultados Preliminares.

Contact

Ministerio de Agricultura y Cría, D.G.S. de Planificación y Políticas, Estadística, VI Censo Agrícola, Torre Este Parque Central, Caracas, 1010 Venezuela. Tel.: (+509) 03 576 758;

E-mail: estagric@mav.gov.ve.

VENEZUELA - Agricultural Census 1996/97- Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	500 979	30 071 192

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	500 979	30 071 192
Under 1 ha	42 758	20 777
1 and under 2 ha	70 663	83 678
2 and under 5 ha	128 821	373 464
5 and under 10 ha	75 282	481 418
10 and under 20 ha	59 354	748 337
20 and under 50 ha	51 659	1 516 983
50 and under 100 ha	27 318	1 810 573
100 and under 200 ha	18 565	2 442 875
200 and under 500 ha	15 587	4 636 937
500 and under 1000 ha	6 027	3 989 406
1000 ha and over	4 945	13 966 744

FRAGMENTATION		
	Holdings reporting	Parcels
Total	500 979	-
Holdings reporting:		
1 parcel	429 223	-
2 - 3 parcels	68 360	-
4 - 5 parcels	2 867	-
6 - 9 parcels	494	-
10 parcels and more	35	-
Total number of parcels	-	590 922

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	500 979	30 071 192
Civil persons	491 916	26 645 532
Corporation	3 385	473 680
Cooperative	87	61 450
Government	2 204	2 515 649
Others	3 387	374 881

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	500 979	30 071 192
Under one form of tenure	496 229	29 749 285
Owned	237 470	22 490 854
Rented	15 003	496 200
Other single forms	243 756	6 762 231
More than one form of ten.	4 750	321 907

TENURE OF LAND		
		Area (ha)
Total	-	30 071 192
Owned	-	22 490 854
Rented	-	496 200
Other forms	-	7 084 138

HOLDERS AND HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	313 775	-
Male	287 066	-
Female	26 709	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	211 290	-
Male	178 159	-
Female	33 131	-

LAND USE		
	Number of holdings	Area (ha)
All land	500 959	30 071 192
Agricultural land	412 493	20 481 303
Cropland	318 648	3 395 858
Arable land	222 278	2 438 108
Permanent crops	250 958	957 750
Permanent mead./pastures	161 493	17 085 445
Wood or forest land	170 257	8 987 468
All other land	282 679	602 421

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Maize	100 261	651 697
Sorghum	3 545	177 334
Cassava	58 350	77 283
Sugarcane	22 076	155 376

PERMANENT CROPS		
	Holdings reporting	Number of trees
Coffee	55639	272 125 474
Plantains	36977	13 285 349
Cocoa	18841	23 872 706

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	148 370	13 168 692
Pigs	86 026	1 700 719
Sheep	29 254	762 670
Goats	20 626	1 132 656
Buffaloes	533	62 546
Horses, Mules and Asses	74 566	477 129
Chickens	136 777	91 440 237
Rabbits	3 608	110 297

VIET NAM - Agricultural Census 2001 - Explanatory Notes

Historical outline

The first census of agriculture in Viet Nam was conducted in 1994. The 2001 Rural, Agricultural and Fishery Census to which data here refer, is the second conducted in the country.

Organization

The census was organized and conducted by the Agriculture, Forestry and Fishery Department of the General Statistics Office (GSO) of Viet Nam according to the Prime Minister's Decision No. 34/2001/QĐ-TT dated 13 March 2001.

Enumeration period/Reference date/period

Census date was 1 October 2001. Depending on the specific indicators and units of the survey, data refer to the calendar year 2000 or to the period 1 October 2000 to 30 September 2001. Data relating to each census item were collected on site within 30 days and completed by 30 October 2001.

Definition

- **Agriculture, forestry, fishery households** are households with all or most of labourers regularly participating, directly or indirectly, in agricultural, forestry or fishery production. Normally, is from these agricultural, forestry or fishery activities that comes the principal income of these households.
- **Farms** are those agriculture, forestry or fishery households meeting the two quantitative criteria of:
 - a certain output value of goods and services per year;
 - a certain amount of production.

Coverage

Geographically, the census covered the whole country.

In terms of census units, the census covered:

- **Enterprises** belonging to all economic sectors, engaged in production of agricultural, forestry and fishery products.
- **Co-operatives** operating in rural areas and agricultural, forestry and fishery co-operatives operating in urban areas, transformed or newly established under the Co-operatives Law.
- **Households** residing in rural areas and agricultural, forestry and fishery households residing in urban areas.
- **Farms**, as determined by Circular 69/2000 of 23 June 2000 (see definition of farm).

Frame

A list of household obtained from administrative records was used as the frame.

Method

The census was a combination of complete enumeration and sampling methods. Data were collected by direct interview.

Data source

Results of the 2001 Rural, Agricultural and Fishery Census, Statistical Publishing House, HÀ NỘI, 2003. General Statistical Office of Viet Nam.

Contact

- The Central Data Processing Centre, General Statistics Office of Viet Nam, 54 Nguyen Chi Thanh Street, Dongda District, Hanoi, Vietnam. Tel.: (+84) 4 835 6101, (+84) 4 835 6129; Fax: (+84) 4 835 6129; E-mail: ttttW@hn.vnn.vn.
- The Agriculture, Forestry and Fishery Department, General Statistics Office, 2 Hoang Van Thu Street, Badinh District, Hanoi, Vietnam. Tel.: (+84) 4 846 3522; Fax: (+84) 4 734 1015; E-mail: pqvinh@gso.gov.vn.

Website

http://www.gso.gov.vn/default_en.aspx?tabid=477&idmid=4&ItemID=1824

VIET NAM - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF AGRICULTURAL HOUSEHOLDS

	Number of households	Productive area (ha)
Total	10 689 753	7 633 882

NUMBER OF HOLDINGS BY SIZE OF CROPLAND AREA OF HOLDING

	Number of households	
Total	10 689 753	-
Without land	444 661	-
under 0.2 ha	2 688 253	-
0.2 and under 0.5 ha	4 189 051	-
0.5 and under 1 ha	1 755 064	-
1 and under 2 ha	1 058 138	-
2 and under 3 ha	338 248	-
3 and under 5 ha	167 903	-
5 and under 10 ha	42 796	-
10 ha and over	5 639	-

HOUSEHOLD MEMBERS

	Number of persons	
Total	46 380 981	-

HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURE

	Number of persons	
Total	22 090 238	-

HIRED WORKERS

	Number of workers	
Total	2 058 753	-

LAND USE

		Area (ha)
Productive land		7 633 882
Cropland	-	5 667 329
Arable land	-	4 204 873
Permanent crops	-	1 411 231
Other cropland	-	51 225
Wood or forest land	-	1 966 553

PERMANENT CROPS

	Agricultural households reporting	
Tea	391 853	-
Coffe	561 439	-
Rubber	57 263	-
Cashew nut	273 230	-
Pepper, black	240 222	-
Coconut	468 061	-

LIVESTOCK

	Agricultural households reporting	
Cattle	1 844 847	-
Buffaloes	1 568 982	-
Pigs	7 732 330	-

VIRGIN ISLANDS (US) - Agricultural Census 2002 - Explanatory Notes

Historical outline

The first Census of Agriculture was conducted in the U.S. Virgin Islands in 1920 and the second in 1930, in conjunction with the first Decennial World Agricultural Census promoted by the International Institute of Agriculture (seated in Rome, Italy). Other censuses were conducted at a ten-year interval through 1960 when, with a census taken in 1964, U.S. Virgin Islands were included in the Quinquennial (five-year) Agricultural Census Plan. Successively, dates were adjusted in order to coincide with Economic Censuses and consequently the following agricultural censuses were conducted in 1978 and 1982. After 1982, agricultural censuses were reverted to a 5-year cycle. The 2002 census, to which data here refer, is the 14th undertaken in the U.S. Virgin Islands.

Organization

The 2002 U.S. Virgin Islands Census of Agriculture was organized and conducted in accordance with a Memorandum of Agreement approved by the Administrator of the National Agricultural Statistics Service (NASS) of the U.S. Department of Agriculture (USDA) and by the Commissioner of Agriculture of the U.S. Virgin Islands. It was carried out with the cooperation and assistance of the U.S. Virgin Islands Department of Agriculture. From the one side, the NASS provided technical assistance at various levels, and from the other the Department of Agriculture of U.S. Virgin Islands was responsible for recruiting and training local officers and field staff and supervising local administrative matters.

Enumeration period

Data collection in all Outlying Areas generally occurs in January and February.

Reference date/period

Inventories of livestock, poultry, machinery and equipment are those available "on hand" refer to 31 December 2002. Data on crop production, crop and livestock sales and expenses refer to the calendar year (2002) preceding the data collection period.

Definition

Farm is any place from which \$ 500 or more of agricultural products is produced and sold, or which would normally have been sold, during the calendar year 2002. (The farm definition is the same used in the previous census, except that the census year is the calendar year instead of the 12 months period from 1 July to 30 June previously used).

Coverage

The census covered the entire territory of US Virgin Islands, which is one of the collectively referred "U.S. Outlying Areas", together with Guam, American Samoa and Northern Mariana Islands.

Frame

A list of operational farms was developed from several different sources. Enumerators were assigned a region (Enumeration District, ED) and investigated all the names on the list for that region. In the case of farms no more operational or farms newly in business, the list was consequently updated.

Method

The complete enumeration of all Agricultural Operations in each Enumeration District was carried out through direct interview.

Data source

Census of Agriculture 2002, Vol.1, Geographic Area Series, Part 54, January 2005. United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), Virgin Islands of the United States.

Contact

United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), 1400 Independence Ave., SW Washington, DC 20250. Tel.: (800) 727 9540, (+1) 202 720 3878; E-mail: nass@nass.usda.gov.

Website

<http://www.nass.usda.gov>

VIRGIN ISLANDS (US) - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	191	3 710

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area of holdings (ha)
Total	191	3 710
Under 1.2 ha	71	37
1.2 - 4 ha	54	111
4 - 8.1 ha	34	197
8.1 - 20.2 ha	10	116
20.2 - 40.5 ha	11	342
40.5 - 70.8 ha	6	302
70.8 - 105.2 ha	3	283
105.2 ha and over	2	2 322

TENURE OF LAND		Area of holdings (ha)
Total area		3 710
Owned		1 832
Rented		1 878

HOLDERS BY AGE		Number of holders
Total		191
Under 35 years		10
35 to 44 years		30
45 to 54 years		50
55 to 64 years		41
65 years and over		60

HOLDERS BY MAINTYPE OF ACTIVITY		Number of holders
Total holders		191
Engaged mainly in:		
Agricultural work on the holding		79
Work off the holding		112

LEGAL STATUS		Holdings
Total holdings		191
1 individual		168
2 or more individuals		9
Corporation		11
Others		3

LAND USE		Area (ha)
All land		3 710
Agricultural land		3 397
Cropland		369
Harvested cropland		244
Other cropland		125
Permanent meadows/past.		3 027
Wood or forest land		219
All other land		95

IRRIGATION		Area (ha)
Irrigated land		185

TEMPORARY CROPS		Area (ha)
Tomatoes		4
Okra		3
Squash		1
Sweet potatoes		2
Lettuce		4
Peppers		3
Cucumbers		10
Eggplants		2
Maize		2
Yams		1
Cabbages		1
Celery		1
Spinach		1
Carrots		1
Sugarcane		2
Cassava		2

PERMANENT CROPS		
	Holdings reporting	No. of trees/plants
Avocados	40	482
Bananas	59	5 625
Breadfruit	37	250
Coconut	44	2 173
Grapefruit	23	298
Lemons/Limes	46	649
Mangoes	59	1 657
Oranges	16	389
Papayas	42	2 515
Pineapples	11	7 379
Plantains	16	324

LIVESTOCK		
	Holdings reporting	Number of head
Cattle total	56	2 223
under 1 year	32	386
1 year and over	-	1 837
Male	47	288
Female	40	1 549
Pigs, total	31	1 085
under 8 months	28	661
8 months and over	30	424
Sheep	47	2 389
Goats	59	2 223
Horses	18	96
Chickens	29	1 830

MACHINERY/EQUIPMENT		
	Holdings reporting	Number of units
Tractors	54	92
Trucks	134	174

YEMEN - Agricultural Census 2003 - Explanatory Notes

Historical outline

The first Agricultural Census after the unification of Yemen was conducted in April 2003, which provided the much needed structural data on the agricultural sector.

Organization

According to the national law on statistics, the Central Statistical Organization in the Ministry of Planning of Yemen is the responsible institution for conducting the censuses. The Agricultural Census 2003 was conducted by Central Statistical Organization in cooperation with Ministry of Agriculture and was funded by European Commission. A committee headed by the Minister of Agriculture provided the leadership was to the census organization. Working groups and technical committees comprising representation from related ministries and organizations were also established.

Enumeration period

The agricultural census was conducted during April to May 2003.

Reference date/period

For Agricultural land utilization: calendar year 2002.

For other items: the enumeration day.

Coverage

The census covered the entire country.

Frame

The frame was developed from the listing stage of the Agricultural Census. A list of agricultural Enumeration Areas (EAs) was drawn, for the agricultural census at district level and maps for selected EAs were developed.

Method

The listing stage of the census covered 2.4 million households. About 1.3 million agricultural holders were identified on the basis of basic information on agricultural land, type of irrigation used and livestock inventory collected during the listing operations. The main agricultural census was conducted in all the governorates and districts, urban and rural areas with a sample size of 86 700 agricultural holders, selected using a two-stages stratified random sample.

Data source

Central Statistical Organization, Ministry of Agriculture & International Cooperation, Republic of Yemen.

Contact

Central Statistical Organization, P.O Box 13434 Sana'a, Republic of Yemen. Tel.: (+967) 1 250 618, (+967) 1 250 619; Fax: (+967) 1 250 664; Email: cso@cso-yemen.org.

Website

<http://www.cso-yemen.org>

YEMEN - Agricultural Census 2003 - Main Results

TOTAL NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total holdings	1 488 406	1 609 486
Holdings without land	308 301	-
Holdings with land	1 180 105	1 609 486

NUMBER AND UTILIZED AGRICULTURAL AREA (SAU) OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Total holdings	1 488 406	1 609 486
Holdings without land	308 301	-
Holdings with land	1 180 105	1 609 486
Under 0.5 ha	689 397	122 844
0.5 and under 1 ha	176 336	127 415
1 and under 5 ha	231 222	456 118
5 ha and over	83 150	903 109

FRAGMENTATION		
	Number of holdings	Area (ha)
Total holdings with land	1 180 105	1 609 486
Holdings with:		
1 parcel	344 529	436 038
2 parcels	220 361	242 893
3 to 5 parcels	396 799	492 329
6 to 8 parcels	128 883	205 339
9 parcels and more	89 533	232 887
Total number of parcels	4 218 600	-
Average num. of parcels per holding	3,57	-

LEGAL STATUS		
		Area (ha)
Total holdings		1 609 486
Civil persons		1 413 036
Cooperative		400
Government		13 570
Other legal persons		182 479

LAND USE		
	Number of holdings	Area (ha)
Total land	1 488 406	1 609 486
Land under crops	-	1 197 845
All other land	-	411 641

EMPLOYMENT IN AGRICULTURE		Number of persons
Holder's household members engaged in agricultural work on the holding		
Total		3 450 453
Male		2 105 855
Female		1 344 598
Hired permanent workers		
Total		326 878
Male		295 540
Female		31 338

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	-	1 404 299
Sheep	-	7 740 269
Goats	-	7 628 565
Asses	-	706 898
Rabbits	-	186 300
Poultry	686 697	9 746 611
Beehives	81 743	1 196 504

TEMPORARY CROPS		Area under crops (ha)
Alfalfa		20 602
Barley		34 998
Beans		813
Broad beans		2 232
Cabbages		424
Carrots		1 372
Coriander		154
Cotton		17 246
Cucumbers		471
Eggplants		617
fenugreek		4 032
Garlic		699
Groundnuts		2 034
Jewish mallow		679
Leeks		453
Lentils		7 786
Lettuce		158
Maize		38 468
Marrows		1 302
Melons		2 851
Millet		428 881
Millet for feed		97 331
Okra		3 096
Onions, dry		7 160
Onions, green		4 748
Peas		1 316
Potatoes		16 872
Radish		751
Sesame seed		18 048
Sorghum		99 340
Tobacco		7 934
Tomatoes		14 909
Watermelons		11 291
Wheat		83 802

PERMANENT CROPS		
	Area under crops (ha)	Number of trees/plants
Almonds	4 739	328 549
Apples	1 779	1 578 105
Bananas	8 839	14 878 775
Coffee	28 353	46 563 556
Dates	13 740	7 437 272
Figs	192	177 726
Grapes	12 015	3 418 831
Grapes	1 242	-
Guavas	324	164 678
Henna	3 066	4 701 636
Lemons	1 782	898 422
Mandarines	925	311 732
Mangoes	23 228	2 170 925
Oranges	6 045	2 721 420
Plums	633	256 762
Pomegranates	2 412	2 072 013
Oat	120 885	368 160 617

MACHINERY		Units
Tractors		27 298
Harvesters		1 244
Threshers		1 058
Irrigation pumps		21 1620
Sprayers		1 1762

Historical outline

Zambia, formerly called Northern Rhodesia, became independent in 1964. As Northern Rhodesia it participated in the FAO World Census of Agriculture Programme (WCA) in 1950, when both Traditional and Modern Sectors were investigated; in 1960 another census, which restricted to only Modern Sector, was undertaken in the Country. Subsequently, Zambia participated in WCA in 1971/72, while the census planned for 1982/83 did not take place due to funding problems. In 1990/92 the census was undertaken in two phases: the first in connection with the 1990 Census of Population and Housing, and the second, based on information collected during the first phase, carried out as a separate exercise. In 2000 another Census of Population and Housing was conducted, collecting also information on agricultural household's composition and activities. Information and data presented here refer to the coverage of agriculture in the Population and Housing census 2000.

Organization

The Census was conducted by the Republic of Zambia-Central Statistical Office (CSO). Grade-11 pupils were employed as Enumerators, while Primary School Teachers were recruited as Supervisors. Management Staff like Master Trainers, Provincial Census Officers, District Census Officers etc., was selected from CSO Professional Staff. A total of about 30 000 staff participated in census operations. Co-operating partners were International Organizations like the U.N. Population Fund (UNFPA), the U.N. High Commission for Refugees (UNHCR), the U.S. Agency for International Development (USAID), the University of Michigan, and the Governments of U.K., Japan, Norway, Netherlands, Finland, Denmark, Germany and Canada.

Enumeration period

Census enumeration was conducted during the period 16 October to 15 November 2000.

Reference date:

Reference period for inventory items was the enumeration day, while for continuing activities the reference period was the agricultural season beginning 1 October and ending 30 September.

Coverage

The census covered the entire country.

Frame

The 2000 Census was preceded by a revision of the sampling frame. It was obtained through a mapping exercise for the purpose of updating the national administrative boundaries, in order to create a number of unique statistical areas, called Standard Enumeration Areas (SEA), i.e. small census units of equal population size, to be covered generally by one enumerator only.

Method

The Census was conducted on a complete enumeration basis. Enumerators visited all buildings in the Country in order to identify the characteristics of all buildings, households and other human aspects. Two different questionnaires were used, i.e. Form A to collect general information on people either members of households or visitors, and Form B to collect more detailed information, e.g. about those household members involved in agricultural activities. The Census was preceded by a Pilot Census in order to test census organization. As an evaluation exercise aimed to assess data quality, a Post-Enumeration Survey (PES) was also conducted.

Data source

Census of Population and Housing, Agriculture 2000, Analytical Report, Lusaka, November 2003. Republic of Zambia.

Contact

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Website

<http://www.zamstats.gov.zm>

ZAMBIA - Population/Housing Census 2000 - Agricultural aspects - Main Results

NUMBER AND AREA OF HOLDINGS	
	Number of holdings
Total	1 305 783

HOLDERS BY SEX	
	Number of holdings
Total	1 305 783
Male	1 055 073
Female	250 710

HOLDINGS BY HOUSEHOLD SIZE	
	Holdings
Total	1 305 783
Holdings with:	
1 person	71 818
2 to 3 persons	287 272
4 to 5 persons	368 231
6 to 9 persons	446 578
10 persons and over	131 884

FARM POPULATION BY SEX	
	Number of persons
Total	6 742 665
Male	3 297 163
Female	3 445 502

EMPLOYMENT IN AGRICULTURE	
	Number of persons
Household members economically active	
Total	2 451 340
Male	1 301 662
Female	1 149 678

TEMPORARY CROPS	
	Holdings reporting
Wheat	4 644
Rice	78 668
Maize	1 111 506
Sorghum	266 377
Millet	341 087
Cassava	647 918
Groundnuts	824 480
Sunflowers for seed	102 271
Seed cotton	92 314
Soybeans	63 335
Beans, dry edible	472 757
Tobacco	39 000
Sweet potatoes	793 435
Irish potatoes	82 552
Cow peas	202 566
Paprika	32 927
Sugarcane	131 074
Cashew nuts	39 497
Vegetables n.e.s.	499 348

LIVESTOCK	
	Holdings reporting
Cattle	230 967
Sheep	19 610
Goats	253 539
Pigs	146 968
Chickens	811 628
Asses	4 208