

2000 World Census of Agriculture

**Main Results and Metadata
by Country
(1996-2005)**



2000 World Census of Agriculture

**Main results and Metadata
by Country
(1996-2005)**

The designations employed and the presentation of material in this information product do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO) concerning the legal or development status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of specific companies or products of manufacturers, whether or not these have been patented, does not imply that these have been endorsed or recommended by FAO in preference to others of a similar nature that are not mentioned.

ISBN 978-92-5-106568-6

All rights reserved. FAO encourages reproduction and dissemination of material in this information product. Non-commercial uses will be authorized free of charge upon request. Reproduction for resale or other commercial purposes, including educational purposes, may incur fees. Applications for permission to reproduce or disseminate FAO copyright materials and all other queries on rights and licences, should be addressed by e-mail to copyright@fao.org or to the Chief, Publishing Policy and Support Branch, Office of Knowledge Exchange, Research and Extension, FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy.

© FAO 2010

CONTENTS

FOREWORD.....	vii
INTRODUCTION.....	ix
MAIN RESULTS AND METADATA BY COUNTRY	1
Afganistan.....	2
Albania.....	4
Algeria.....	6
American Samoa.....	8
Argentina.....	10
Australia.....	12
Austria.....	14
Azerbaijan.....	16
Bangladesh.....	18
Belgium.....	20
Bhutan.....	22
Botswana.....	24
Brazil.....	26
Canada.....	28
Cape Verde.....	30
Chile.....	32
China.....	34
Colombia.....	36
Comoros.....	38
Cook Islands.....	40
Cote d'Ivoire.....	42
Croatia.....	44
Cyprus.....	46
Czech Republic.....	48
Denmark.....	50
Ecuador.....	52
Egypt.....	54
Estonia.....	56
Ethiopia Federal Democratic Republic.....	58
Finland.....	60
France.....	62
French Guiana.....	64
Gambia.....	66
Georgia.....	68
Germany.....	70
Greece.....	72
Guadaloupe.....	74
Guam.....	76
Guatemala.....	78
Guinea.....	80
Hungary.....	82
India.....	84
Indonesia.....	86
Iran, Islamic Republic of.....	88
Ireland.....	90
Italy.....	92
Jamaica.....	94
Japan.....	96
Jordan.....	98
Korea, Republic of.....	100

Kyrgyzstan.....	102
Lao People’s Democratic Republic of (the).....	104
Latvia.....	106
Lebanon.....	108
Lesotho.....	110
Libya Arab Jamahiriya.....	112
Lithuania.....	114
Luxembourg.....	116
Madagascar.....	118
Malaysia.....	120
Mali.....	122
Malta.....	124
Martinique.....	126
Mongolia.....	128
Morocco.....	130
Mozambique.....	132
Myanmar.....	134
Namibia.....	136
Nepal.....	138
Netherlands.....	140
New Caledonia.....	142
New Zealand.....	144
Nicaragua.....	146
Northern Mariana Islands.....	148
Norway.....	150
Pakistan.....	152
Panama.....	154
Philippines.....	156
Poland.....	158
Portugal.....	160
Puerto Rico.....	162
Qatar.....	164
Reunion.....	166
Romania.....	168
Saint Kitts and Nevis.....	170
Saint Lucia.....	172
Saint Vincent and the Grenadines.....	174
Samoa.....	176
Saudi Arabia, Kingdom of.....	178
Senegal.....	180
Serbia.....	182
Seychelles.....	184
Slovak Republic.....	186
Slovenia.....	188
South Africa.....	190
Spain.....	192
Sri Lanka.....	194
Sweden.....	196
Tanzania, United Republic of.....	198
Thailand.....	200
Togo.....	202
Tonga.....	204
Trinidad and Tobago.....	206
Tunisia.....	208
Turkey.....	210
Uganda.....	212
United Kingdom.....	214
United States of America.....	216
Uruguay.....	218

Venezuela.....	220
Viet Nam.....	222
Virgin Island (US)	224
Yemen.....	226
Zambia.....	228
APPENDICES.....	231
APPENDIX 1 - Publications on World Programme for the Census of Agriculture.....	233
APPENDIX 2 - Country Practices on Including Additional Agricultural Items in the Population and Housing Censuses.....	235

FOREWORD

Beginning with 1950 FAO has been preparing and advocating a decennial World Programmes for the Census of Agriculture (WCA), and the 2000 Programme was the sixth in the series. These programmes on one hand serve to promote availability of internationally comparable data on structure of agriculture; on the other hand they have been providing guidance to countries in collecting structural data using standard concepts, definitions and classifications.

Member countries provide the reports of their agricultural censuses to the FAO Statistics Division. These reports serve as the basis for preparation of internationally comparable data and for methodological studies related to the conduct of an agricultural census. Statistics Division concurrently disseminates through its website the key data on structure of agriculture and related metadata obtained through the country census reports.

At the end of each round FAO Statistics Division publishes three main reports, consolidating the global information on structure of agriculture. This is the first report in the series, presenting a compendium of country summaries earlier disseminated through the website. The accompanying volume, "2000 World Census of Agriculture: Analysis and International Comparison of the Results (1996-2005)", to be published as the Document Number 13 of the FAO Statistical Development Series, will present internationally comparable data on selected variables characterizing the structure of agriculture in the world. The third report, which is under preparation, relates to a Methodological Review of the WCA 2000 round.

FAO Statistics Division is pleased to bring out this unique publication covering information from a record number of 114 countries, and conveys its sincere gratitude to the National Statistical Offices which provided their census reports to us. Our staff has made their best effort to obtain information on as many countries as possible for this publication. The information on missing countries, when made available to us will be added to the web site of WCA. Nonetheless, it is expected that this comprehensive publication will serve as useful reference material for survey planners, researchers and policy makers who are interested in development of the agricultural sector and the related statistics.

This publication has been possible due to the efforts of a dedicated team of staff lead by Mr Mukesh K. Srivastava. Mr Franco Stefanelli was the key staff responsible for summarizing reports from the national agricultural censuses. Ms Adriana Neciu, consultant, refined the initial work bringing it to the level of this publication. Messrs Naman Keita and Paul N'Goma Kimbasta provided valuable comments to improve the presentation of material.

The Director
Statistics Division

INTRODUCTION

Realizing the importance of statistics on agriculture, the International Institute of Agriculture initiated the first Programme for the World Census of Agriculture (WCA) in 1924, which was implemented by about 60 countries in 1930. The efforts to conduct a WCA in 1940 could not succeed due to outbreak of World War II. Beginning with 1950 FAO has been preparing and advocating decennial World Programme for the Census of Agriculture (WCA), and the 2000 Programme referring to the period 1996–2005, was the sixth in the series.

The programme for the WCA on one hand serves to promote availability of internationally comparable data on structure of agriculture; on the other hand, it provides much needed guidance to countries in collecting the data, following standard concepts, definitions and classifications. In many developing countries an agriculture census is a unique source of information on the productive structure of agriculture sector. An agriculture census provides the foundation of the agriculture statistics system of a country in the sense that it provides: (1) sampling frames for the current surveys and ad hoc specialized surveys, and (2) benchmark data to verify the reliability from other sources of data.

With the FAO leadership of the WCA, country participation in this programme has been increasing over time — from 81 countries in the 1950 round to 111 countries in the 1970 round to 122 countries in the 2000 round. Also an increasing degree of regular periodicity of the censuses has been observed among countries, particularly in Europe and Asia. African countries, which earlier depended largely on donor support for conduct of an agriculture census, are now conscious of need to conduct an agricultural census at least once every ten years and are increasingly using their own budget to finance the census.

Out of the 122 countries which conducted an agriculture census during WCA 2000 (1996–2005), 114 countries provided their reports to FAO. The reports of agriculture censuses received by FAO from member countries serve as the basis for preparation of internationally comparable data and for studies on methodological issues related to taking an agriculture census. FAO Statistics Division concurrently disseminates through its website key data on structure of agriculture and related metadata on the basis of the country census reports. At the end of each round it publishes three main reports, consolidating the global information on structure of agriculture. The first report i.e. this publication, is a compendium of abstracts of country censuses earlier disseminated through the website. The second publication presents internationally comparable data on selected variables characterizing the structure of agriculture in the world. The third report relates to a Methodological Review of the WCA 2000 round. Full list of publications on World Programme for the Census of Agriculture since its inception is given in Appendix 1.

The real value of this publication lies in availability of detailed metadata on agriculture censuses conducted by different countries. Apart from providing information on historical background, enumeration and reference periods of the census, the report also provides an overview of the methodology and survey designs used in the census. This brief information on individual censuses presents a panorama of country practices on agriculture censuses. The document also provides further reference to the country census reports used for preparation of this document. Using the contact information and the web-link to the national census authorities provided in the document, the reader could obtain further information on agriculture census of a specific country. The web sites of national authorities responsible for agriculture census can also be accessed through the web page¹ of World Programme for Census of Agriculture. The technical issues related to conducting agriculture census will be dealt in depth in the other publication entitled, “2000 World Census of Agriculture – Methodological Review”. This document will also provide some examples of good practices.

A brief review of metadata of the national censuses covered in this report indicates that many countries do not organize an agriculture census as a completely independent activity. Countries tend to take advantages of existing administrative and statistical systems for collecting structural agriculture statistics. For example, in Denmark agriculture census is linked to the registers of Integrated Administration and Control System (IACS) which contain information relating to area under major crops for all the farms applying for crop subsidies. In Kuwait, keeping in view the low contribution of agriculture to the economy, no agriculture census is carried out. Nonetheless, agricultural data are collected from about 3 to 4 thousand registered farms on quarterly basis. In India, the administrative functions of maintaining land ownership records and doing seasonal crop enumeration are vested in a single office at village level. The services of this office are utilized to carry out an agriculture census (limited to crops) once every five year by re-tabulating the land ownership registers to obtain a list of agricultural holders which provides the frame for the

¹ <http://www.fao.org/economic/ess/world-census-of-agriculture/en/>

agriculture census and a follow-up survey. The Livestock Census of India is, however, carried out as an independent statistical operation using the staff and infrastructure of Livestock Department of the State Governments. Given the tradition of maintaining information on livestock movements at local level in Mongolia, an annual livestock census is carried out there using the information base of local offices which are also responsible for maintaining key statistics on their area. In the absence of availability of any suitable system to support collection of statistics, countries carry out an agriculture census by complete enumeration as an independent operation, as in Algeria.

Countries also use population census to collect basic data on agriculture. In some Former Yugoslav Republics there existed a practice of attaching a special module of questionnaire on agriculture to the population census. Census of Population and Housing of Zambia also included a module on agriculture census. Small island countries where cost of separate agriculture census is prohibitive also follow this practice. Quite a number of countries have used the population census for identifying agricultural holdings or households and for obtaining a sampling frame for the agriculture census, e.g. Nepal. An overview of country practices on inclusion of agriculture related questions in the population census are presented in Appendix 2.

Countries also combine fisheries and aquaculture census with agriculture census e.g. in Cook Islands. The definition of agricultural holding adopted for Agriculture Census 2003 of Thailand includes fresh water culture of fish. The Philippines Census of Agriculture and Fisheries (CAF) 2002 combined field activities of censuses of agriculture and fisheries, but kept the data on the two conceptually separate.

The census design and the data resulting from the censuses vary significantly across countries. The reports and information are made available to FAO in diverse forms and languages. Very often the international standard concepts underlying the census data are adjusted to suit national requirements. Specific efforts are made by the FAO Statistics Division to standardize the data so as to make them suitable for international comparisons, to the extent possible. This publication presents key structural data by country. A separate publication entitled "2000 World Census of Agriculture – Analysis and International Comparison of the Results" will present a number of comparison tables on important subjects, such as number and area of agricultural holdings by size group of land holdings, gender, land tenure, livestock population, crops, irrigation and machinery.

This publication provides main results on structure of agriculture at country level in a closely comparable form. These results have been extracted from country reports and standardized, as necessary. Despite standardization of data, international comparisons are often difficult due to differences in scope, coverage, or designs of the agriculture censuses which are planned to meet primarily the national requirements. For some countries the data reported here, particularly the number and area of holdings, may slightly differ from those coming from other sources. These differences arise mainly on account of: (1) varying thresholds on scale of operation adopted for definition of holdings leading to differences in coverage of holdings in different countries, (2) conceptual difference in definition of holdings/farms or (3) subsequent revision of the figures by the national office responsible for agricultural census. In case of any discrepancy of data presented in this publication with any other source, the reader is advised to refer to concepts and definitions provided in the Programme for WCA 2000.

As most agriculture censuses collect data on key structural characteristics like number and area of holdings, legal status of holders, gender of holders, employment on holdings, land tenure and land use, this publication provides information on these items for almost all countries. Given the space constraint, the data on crops and livestock have been selectively reported. Inventories of internationally important livestock species such as cattle and buffaloes, sheep and goat, and pigs are reported separately. The data on other livestock species have been sometimes grouped together, either to fit the data in available space or because country itself has collected the data on group of species. Similarly, all internationally important crops, such as wheat, rice, maize have been kept separate from other grain crops. Care has been taken to cover important national crops also. The crops occupying less significant share in cultivated area in a country have been grouped using Indicative Crop Classification (ICC)² Version 1.

2 FAO (2005). A System of integrated agricultural censuses and surveys – Vol.1. World Programme for the Census of Agriculture 2010, FAO Statistical Development Series 11. Rome, 2005 (Appendix 3)

MAIN RESULTS AND METADATA BY COUNTRY

AFGHANISTAN - Livestock Census 2002/03 - Explanatory Notes

Historical outline

An Agricultural Census was conducted in 1967. The Swedish Committee for Afghanistan had conducted the 1992/93 Agricultural Survey. Data presented here refer to the 2002/03 Livestock Census.

Organization

The 2002/03 Afghanistan National Livestock Census was conducted by the Food and Agriculture Organization of the United Nations (FAO) in collaboration with the Ministry of Agriculture, Irrigation and Livestock (MAIL) of Afghanistan. Financial support was provided by the Government of Italy. The census was managed at two levels: the Census Manager and an Assistant Manager were responsible for management of activities at national level while the Supervisors, each one covering 2 to 3 Provinces, provided the second level of management. 28 Supervisors, 24 Women-Surveyors and 821 Enumerators, were recruited for the field-work.

Enumeration period

Data collection was completed by the end of March, except for Ghor Province where, for climatic reasons, enumeration was carried out by the end of April 2003.

Reference date/period

Information on livestock numbers refers to the enumeration period.

Definition

The Enumeration Unit was Livestock Household. Enumeration areas were defined as "a community group within a village". Community groups were based on "mosque assemblies".

Coverage

Information was collected from all villages level and urban centres. Data were collected in all provinces and districts, with the exception of Barmal District in Paktika Province, due to insecurity for field operations. Parts of Ghor Province were also not covered by lack of accessibility.

Frame

The Afghanistan Information Management System (AIMS) provided a list of 32 Provinces, 329 Districts and 30 172 Villages. A sampling frame, (e.g. a list of farmers) was not available for the Livestock Census, but one of the results of this census is the development of a sampling frame for future surveys.

Method

The census was carried out at two levels, and it comprised four survey modules:

- **Level one** (Survey 1), was a complete enumeration exercise aimed to determine the total number of livestock, herd structure, change in ownership and to assess livestock losses caused by a catastrophic drought.
- In **Level two** more detailed information on production practices and production calendars were collected from 1 284 selected representative households in randomly selected Districts and Villages.(Survey 2).
- In addition to the census, a sample survey (Survey 3) of 2 899 women in livestock producers' households was undertaken to analyze gender role in livestock management.
- Finally, a sample survey (Survey 4) of 132 selected producers of Karakul sheep was carried out.

Data source

National Livestock Census 2002/03 Final Report, FAO Rome, 2008 Afghanistan.

Contact

Ministry of Agriculture, Irrigation and Livestock Jamal Mena-Kart-e Sakhi, Kabul, Afghanistan.
Tel.: (+ 93) 75 204 4317; E-mail: info@mail.gov.af.

Website

<http://www.mail.gov.af>

AFGHANISTAN - Livestock Census 2002/03 - Main Results

HOUSEHOLDS REPORTED IN THE 2002 LIVESTOCK CENSUS	
	Number of households
Total number of households	3 044 670
Households with livestock	2 026 918
Households without livestock	1 017 752

LIVESTOCK	
	Number of head
Cattle	3 715 409
Sheep	8 772 351
Goats	7 280 866
Horses	142 094
Asses	1 587 594
Camels	175 270
Chickens	12 155 846
Ducks	422 533
Turkeys	599 718

ALBANIA - Agricultural Census 1998 - Explanatory Notes

Historical outline

In 1994 and 1995 two annual agricultural surveys were conducted in Albania. The 1998 General Census of Agricultural Holdings was the first complete enumeration census conducted in the country.

Organization

The organization of the census was based on the following entities:

- **Census Central Commission:** It was the highest level for managing and organizing the census. It determined the composition of the local commissions and the census offices in communes and municipalities. It was directed by the Ministry of Agriculture and Food (MOAF), and included the General Director of the Institute of Statistics (INSTAT), the Minister of Local Authority and Directors from Statistics, Livestock and Agriculture Directorates of the MOAF.
- **Census Commissions in the Districts:** These were directed by the Chairmen of the District Councils and managed the work of assisting the communes/municipalities in the district.
- **Census Offices in the Communes/Municipalities:** These were directed by the Chairman of the Commune and were responsible for recruiting and training of enumerators, organization of interviews, collection of questionnaires, etc.. Technical assistance to the General Census of Agricultural Holdings was provided by the Istituto Nazionale di Statistica (ISTAT) of Italy and by the Statistical Office of the European Communities (EUROSTAT). Financial support was provided by the Italian Government.

Enumeration period

Data collection started on 1 June 1998.

Reference date/period

Data on legal status, total and agricultural land and number of livestock, refer to the day of enumeration.

Data on tenure forms, employment, machinery, crop and livestock production and trade, fertilizers and irrigation, refer to the agricultural year 1997/98.

Definition

Enumeration units for census purposes are considered all techno-economic units involved in agricultural, livestock or forestry production, regardless to size of holding, under single management exercised by one or more physical persons or by a juridical person.

Coverage

The census covered the entire country. Holdings totally abandoned, livestock or fruit-trees located around private buildings in the cities, holdings not using their land for agricultural, livestock or forestry purposes, were excluded from the census.

Frame

During the period March to July 1996, INSTAT, in collaboration with MOAF, organized the compilation of coded lists of agricultural holdings in the country. To prepare the lists, the documentation of agricultural land distribution, provided by the Land Registry Offices, was used. During the census interviews the lists were updated.

Method

A pilot census for testing the questionnaire was conducted in March to April 1994 in 435 private holdings. The complete enumeration of agricultural holdings, starting on 1 June 1998, was conducted through direct interview of the head of household. 466 809 private and public holdings were identified in 2 968 villages, 368 communes/municipalities, 36 districts and 12 prefectures. About 4 500 persons participated into the field work as enumerators, commune and district controllers, members of census commissions, etc..

Data source

General Census of Agricultural Holdings 1 – 30 June 1998, Institute of Statistics (INSTAT), Tirana, Albania.

Contact

Institute of Statistics, Rr. Leke Dukagjini no.5 Tirana, Albania. Tel.: (+ 355) 4 222 411; Fax: (+ 355) 4 228 300; E-mail: vprogri@instat.gov.al.

Website

[http:// www.instat.gov.al](http://www.instat.gov.al)

ALBANIA - Agricultural Census 1998 - Main Results

HOLDINGS BY SIZE OF TOTAL AREA		
	Number of holdings	Area (ha)
Total	466 809	1 889 498
Holdings without agric.land	1 676	0
<0.1 ha	25 767	1 655
0.1 - 0.2 ha	38 339	6 030
0.2 - 0.5 ha	96 535	33 384
0.5 - 1 ha	117 476	87 439
1 - 1.5 ha	88 907	110 099
1.5 - 2 ha	51 470	88 822
2 - 3 ha	36 693	87 201
≥ 3 ha	9 946	1 474 868

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	466 809	1 889 498
Civil persons	466 716	451 984
Public holdings and others	93	1 437 514

MEMBERS OF THE HOLDER'S HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	1 342 197	
Male	704 543	
Female	637 654	

LAND USE		
	Number of holdings	Area (ha)
All land	-	1 889 498
Agricultural land	-	809 992
Cropland	-	379 118
Arable land	-	345 259
Permanent crops	-	33 860
Permanent mead./pasture	-	430 874
Wood/forest land	-	1 025 564
All other land	-	53 942
Unused and pot. productive	-	43 296
Non agricultural	-	10 646

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	285 266	115 708
Maize	244 252	45 380
Rye	8 627	958
Barley	7 222	1 011
Oats	58 861	9 627
Potatoes	157 013	5 146
White beans	243 541	18 040
Tobacco	26 950	3 346
Cotton	115	11
Sugar beets	8 470	566
Sunflower seed	3 779	1 160
Soybeans	554	130
Tomatoes	292 515	2 925
Peppers	268 423	2 159
Cucumber	157 253	969
Cabbages	75 916	559

PERMANENT CROPS		
	Total number of trees	of which: of productive age
Apples	582 982	378 868
Pears	139 407	115 840
Plums	775 642	647 617
Figs	661 388	587 103
Walnuts	137 340	119 630
Olives	3 024 627	2 532 439
Citrus fruits	242 946	177 923

LIVESTOCK		
	Holdings reporting	Head/units
Cattle		
Total	315 640	635 435
Male	-	145 282
Female	-	490 153
<1 year		
Male	-	108 020
Female	-	80 221
1-2 years		
Male	-	17 192
Female	-	24 541
>2 years		
Male	-	20 070
Female	-	385 391
Sheep	108 630	1 482 275
Goats	66 261	808 063
Pigs	42 201	61 904
Horses	41 285	42 128
Chickens	293 445	2 543 619
Ducks/Geese	14 019	94 840
Turkeys	27 586	226 385
Beehives	5 300	28 736

ALGERIA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The first census of agriculture in Algeria was conducted in 1973. The second census, with complete enumerations, to which data reported here refer, was conducted in 2001.

Organization

At central level, the census work was organized into three different structures:

- A National Level Committee, headed by the Ministry of Agriculture and Rural Development, including all Ministries and Offices involved in the census.
- A Technical Committee, under the direction of the Office for the Agricultural Statistics and Information Systems (DSASI), consisting of officers from the Central Administration, from the "Bureau National des Etudes de Développement Rural", and from the "Direction Générale des Forêts".
- An Operational Committee, in charge for the organization of field operations.

At local level, the organizational apparatus consisted of a Willaya Committee, a Communal Committee and a Communal Cell, all in charge for field operations. About 8 000 persons were involved, namely, 100 supervisors, 500 controllers and 7 400 enumerators, of which 3 500 selected among unemployed engineers and technicians. Nearly 1 700 vehicles from DGF and from peripheral offices were used.

Enumeration period

The enumeration took place during the period January 2001 and May 2003.

Reference date/period

The reference period was the agricultural year 2000/01.

Definition

The 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 regard to title and legal form. It could be managed by civil persons, corporations, collectives, cooperatives or government agencies.

Coverage

The census covered all agricultural holdings of the whole country.

Frame

The frame was created during the pre-census operations: in this phase, a complete list of all holdings was prepared. Cartographic support, consisting on material used for the General Census of Population and Dwellings, was provided by the National Statistical Office (ONS).

Method

The census was conducted in six phases through complete enumeration of all agricultural holdings.

Data source

Recensement General de l'Agriculture 2001, Rapport General des résultats définitifs, Juin 2003. Ministère de l'Agriculture et du Développement Rural, Direction des Statistiques Agricoles et des Systèmes d'Information, République Algérienne Démocratique et Populaire.

Contact

- Ministère de l'Agriculture et du Développement Rural, 12, Boulevard Amirouche, Alger 16000, Algérie. Tel.: (+213) 21 718 836.
- Office National des Statistiques: 8, 10 Rue des Moussebilines, Alger, Algérie. Tel.: (+213) 21 744 141, (+213) 21 744 100, (+213) 21 744 117; Fax : (+213) 21 743 839; E-mail: ons@onnsiege.ons.dz.

ALGERIA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	1 023 799	8 458 680

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	1 023 799	8 458 680
Without land	55 935	-
0.1 and under 0.5 ha	88 914	20 109
0.5 and under 1 ha	78 266	50 407
1 and under 2 ha	128 864	162 314
2 and under 5 ha	239 844	722 275
5 and under 10 ha	181 267	1 200 598
10 and under 20 ha	142 980	1 896 466
20 and under 50 ha	88 130	2 484 971
50 and under 100 ha	14 294	930 765
100 and under 200 ha	4 063	532 146
200 ha and over	1 242	458 628

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	1 023 799	8 458 680
Civil person	850 906	6 744 723
Collective	35 338	929 514
Other	137 555	784 443

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	1 023 799	8 458 680
Owned by civil persons	777 323	5 857 216
Owned by the State	186 622	2 566 199
Other forms of tenure	59 854	35 265

HOLDERS BY SEX		
	Number of persons	
Total	1 023 799	-
Male	982 006	-
Female	41 793	-

HOLDERS BY AGE		
	Number of persons	
Total	1 023 799	-
17 to 19 years of age	4 091	-
20 - 29	50 496	-
30 - 39	135 445	-
40 - 49	219 631	-
50 - 59	220 582	-
60 - 69	212 462	-
70 and over	164 926	-
Not classified by age	16 166	-

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	6 907 585	-
Male	5 215 227	-
Female	1 692 358	-

HOLDERS AND HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	3 349 447	-
Male	2 580 463	-
Female	768 984	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	108 566	-
Male	103 608	-
Female	4 958	-

LAND USE		
		Area (ha)
Agricultural land	-	8 458 680
Cropland	-	8 432 458
Arable land	-	4 541 465
Permanent crops	-	540 510
Fallow land	-	3 350 483
Permanent mead./past.	-	26 222

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Cereals	588 621	3 997 429
Dry pulses	52 872	68 883
Hay crops	84 565	201 434
Vegetable crops	-	239 111
Industrial crops	17 646	34 834

PERMANENT CROPS		
	Holdings reporting	Number of trees
Citrus fruits	16 806	46 401
Figs	75 299	35 949
Olives	129 089	146 937
Dates	125 680	103 129
Grapes (for table use)	23 638	35 278
Grapes (for wine)	6 366	24 569

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	214 925	1 464 663
Sheep	346 031	18 738 166
Goats	206 391	3 186 878
Camels	10 650	333 933
Chickens	-	63 758 616

AMERICAN SAMOA - Agricultural Census 2003 - Explanatory Notes

Historical outline

The US Bureau of the Census conducted the first agricultural enumeration in American Samoa in 1920. The subsequent agricultural censuses were carried out every 10 years, in conjunction with the Population and Housing Censuses. In 1997 the responsibility for conducting the Census of Agriculture in the United States and, consequently, in the Outlying Areas (i.e. *The Virgin Islands of the U.S., Guam, American Samoa and Northern Mariana Islands*) was transferred to the National Agricultural Statistics Service (NASS) of the U.S. Department of Agriculture (USDA). Starting from 1998, American Samoa was included in their Five-Year Agriculture Census Program. The 2003 Census of Agriculture is the tenth conducted in American Samoa and the second conducted as an independent census of agriculture, after the one undertaken in 1998.

Organization

Census data were collected in accordance with a Memorandum of Agreement between NASS, the Department of Interior's Office of Insular Affairs and the Department of Commerce of American Samoa. It was conducted with the cooperation and assistance of American Samoa Department of Agriculture and the American Samoa Community College – land Grant.

Enumeration period

Data were collected during January to February 2003.

Reference date/period

For inventories of livestock, poultry, machinery and equipment: time of enumeration.

For crop production, crop and livestock sales and expenses: calendar year 2003.

Definition

The farm definition of the 2003 Agricultural Census was "Any place that raised or produced any agricultural products for sale or for home consumption" (Approximately seventy-five percent of all households fitted this definition). It is a broader definition than the one used in 1990, which used a cut-off of "sales worth US \$100 or more of agricultural products during the census year".

Coverage

The census covered the entire territory of American Samoa.

Frame

The frame was obtained from a list of operational farms developed from several different sources. Enumerators assigned to an Enumeration District (ED) were requested to investigate all the names listed for that ED; information was collected only for those households with agricultural activities. In the case of farms no more operational or farms newly in business, the list was updated with field operation.

Method

In addition to enumerating all holdings in the list of known commercial farms, a sample of households was enumerated, through direct interview, to account for production used for family consumption.

Data source

Census of Agriculture 2003, Vol.1, Geographic Area Series, Part 55 October 2005. United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), American Samoa.

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.
- American Samoa Government, Department of Commerce, Statistics Division, Office of the Chief Statistician. Tel.: (+684) 633 5155; Fax: (+684) 633 4195.

Website

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

AMERICAN SAMOA - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	7 094	7 949

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	7 094	7 949
Under 0.4 ha	1 820	302
0.4 - 1.2 ha	2 699	1 624
1.2 - 2 ha	1 412	1 830
2 - 3.2 ha	692	1 520
3.2 - 4 ha	111	365
4 - 8.1 ha	275	1 274
8.1 - 16.2 ha	74	723
16.2 - 20.2 ha	3	52
20.2 and over	8	259

AREA BY TENURE		Area of holdings (ha)
Total		7 949
Area owned		7 850
Area rented from others		99

HOLDERS BY AGE		Number of holders
Total		7 094
under 35 years		607
35 to 44 years		1 716
45 to 54 years		1 791
55 to 64 years		1 686
65 years and over		1 294

HOLDERS BY SEX		Number of holders
Total		7 094
Male		5 636
Female		1 458

FRAGMENTATION		Holdings
Total holding		7 094
with 1 parcel		5 129
with 2 parcels		1 566
3 parcels and over		399

LAND USE		Area (ha)
Total land		7 949
Agricultural land		5 807
Cropland		5 783
Land under crops		5 035
Other crop land		748
Land under permanent meadows/pastures		24
Wood or forest land		518
All other land		1 624

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Taro (cocoyam)	5 002	1 822
Giant taro	2 833	594
Yams	1 773	492
Cucumbers	567	108
Cabbages	364	71
Sugar cane	268	30
Beans, green	349	49
Cassava	240	34
Maize	37	6
Melons	84	9
Eggplant	280	39

PERMANENT CROPS		
	Holdings reporting	Number of trees/plants
Avocados	787	2 581
Bananas (Fai palagi)	6 108	1 765 842
Bananas (other variet.)	5 973	1 533 017
Breadfruit	5 813	150 778
Cocoa	435	9 464
Coconut	5 436	513 660
Grapefruit	176	646
Lemons	1 953	9 626
Limes	854	7 230
Mangoes	2 942	10 641
Oranges	1 059	3 876
Papayas	2 962	83 768
Pineapples	1 276	627 317

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	20	300
Pigs	3 050	64 208
Chickens	1 284	68 372

MACHINERY/EQUIPMENT		Holdings reporting
Tractors		36
Trucks		524

ARGENTINA - Agricultural Census 2002 - Explanatory Notes

Historical outline

The first Agricultural Census in Argentina was conducted in 1888. Since then nine censuses were carried out in 1895, 1908, 1914, 1937, 1947, 1952, 1960, 1969 and 1988; some of them as part of a general census of the country (1895, 1914, and 1947). The Agricultural Census, to which data reported here refer, was conducted in 2002.

Organization

The Argentine Republic is a federal nation consisting of 24 autonomous provinces subdivided, in turn, into 500 units (departamentos) and the capital city of Buenos Aires. The National Institute for Statistics and Census (INDEC) is the federal agency responsible for planning and coordinating national censuses and other national level statistical surveys. Each province operates its own statistical bureau (Dirección Provincial de Estadística-DPE). INDEC and every DPE are linked into the National Statistical System (Sistema Estadística Nacional -SEN) and their activities are closely coordinated. The staff employed in the field work included 23 census coordinators (one in every province) 13 under-coordinators, 98 chief supervisors, 550 supervisors and 2 920 enumerators.

Enumeration period

The enumeration period took place from September to December 2002.

Reference date/period

Data on livestock, buildings, machinery and other equipment refer to 30 June 2002. All the other data refer to the agricultural year July 2001 to 30 June 2002.

Definition

The adopted statistical unit was the Agricultural Holding (Explotación Agropecuaria), defined as a market oriented production unit over 500 square meters in area, made up of one or more parcels and having a holder assuming the economics risks and responsible for its management made formed.

Coverage

The census covered the entire national territory excluding urban areas and desert zones with no agricultural use. All the agricultural holdings were covered regardless size, number of parcels, juridical status of the holder, land tenure and land use.

Frame

The frame was based on the Directory of Agricultural holdings of the previous Agricultural Census, updated by the annual agricultural survey (ENA-Encuesta Nacional Agropecuaria) and mapped on the census cartography, mostly digital. The whole country was divided into "Enumerating Segments" with well delimited boundaries and an average of 180 Agricultural Holdings each.

Method

The census was organized on a complete enumeration basis through a direct interview of holders. The census questionnaire was adapted to each of the five regions in which the country is divided. Each version contains a set of common items and some specific items for the region.

Data source

Censo Nacional Agropecuario 2002, Resultados Preliminares. Instituto Nacional de Estadística y Censos (INDEC), Argentina.

Contact

Instituto Nacional de Estadística y Censos (INDEC), Julio A Roca 615, Ciudad de Buenos Aires, Argentina.
Tel.: (+54)11 434 993 24, (+54) 11 434 992 00; E-mail: dkell@indec.mecon.gov.ar.

Website

<http://www.indec.mecon.ar>

ARGENTINA - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings ⁽¹⁾	Area (ha)
Total	295 485	172 105 798

¹ Excluding 36 572 holdings with undefined boundaries

TEMPORARY CROPS	
	Area (ha)
Cereals	9 523 269
Oleaginous plants	8 896 621
Industrial crops	604 513
Other crops	13 416 033

LIVESTOCK	
	Number of head
Cattle	48 063 368
Sheep	12 395 839
Goats	4 021 917
Pigs	2 120 089

AUSTRALIA - Agricultural Census 2001 - Explanatory Notes

Historical outline

In some States and Territories of Australia, agricultural censuses have been conducted for 140 years. The Agricultural Census was usually conducted annually at the end of March, until 1996/97 when the Australian Bureau of Statistics (ABS), to better align with other ABS surveys, changed the collection period to 30 June. The current strategy is for a 5-year-interval census with sample surveys in inter-censal years. The Census, originally planned for the reference period year-ended June 2002, was advanced to apply to year-ended 2001. The next census will apply to year-ended 2006.

Organization

The Australian Bureau of Statistics (ABS) is the responsible office for the collection, compilation and publication of official statistics, including the organization and implementation of the Agricultural Census.

Enumeration period

Census Date: 30 June 2001.

Reference date/period

Data on crops refer to the agricultural year ending 30 June 2001. Data on livestock and holdings characteristics refer to the Census Day.

Definition

- **Establishment** is the smallest accounting unit of business within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data enabling value added to be calculated. The establishment can cover all operations at *one* physical location, or may consist of a group of locations, provided they are within the same State or Territory (the majority of establishments refer to a single location).
- **Establishment with agricultural activity** is usually a single physical location which is used for crop production (including fruit and vegetables production) and/or for raising livestock or for livestock production.

Coverage

Geographically, the census covered all States and Territories in the country.

Statistically, all establishments (see definition above) with an Estimated Value of Agricultural Operations (EVAO) of at least A\$ 5 000 (1 A\$ = 0.6 US\$) were covered.

Frame

Information on units engaged in agricultural activity is a database known as the Integrated Register Information System (IRIS). It provides a list of names and addresses in Australia, to allow distribution of census and survey forms covering all economic statistics, agriculture statistics included.

Method

The data on a wide range of agricultural items is collected in the census by mail. Telephone reminder action, followed if necessary by personal visits, is also taken. Upon receipt, returns are subjected to initial clerical examination for accuracy and consistency, and subsequently entered into the computer system for editing and tabulation.

Data source

Agricultural Census 2000/01, Cat. N.o 7113.0 and 7121.0. Australian Bureau of Statistics.

Contact

Australian Bureau of Statistics (ABS) - P.O. Box 10, Belconnen, ACT 2616. Tel.: 1900 986 400 (self help access to statistics). Melbourne, Sidney, Brisbane, Perth, Darwin. Tel.: (+61) 3 961 577 55, (+61) 2 926 84 611, (+61) 7 322 263 51, (+61) 8 936 051 40, (+61) 8 894 321 11; Fax: (+61) 3 961 577 98, (+61) 2 926 846 68, (+61) 7 322 262 83, (+61) 8 936 059 55, (+61) 8 898 112 18; E-mail: client.services@abs.gov.au.

Website

<http://www.abs.gov.au>

AUSTRALIA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	140 516	455 723 000

LAND USE		
	Number of holdings	Area (ha)
All land	-	455 723 000
of which:		
Land under crops	-	24 520 000
Perm. meadows / pastures	-	25 607 000

TEMPORARY CROPS		
	Area (ha)	Production (mt)
Wheat	12 141 000	22 108 000
Rice	177 000	1 643 000
Maize	74 000	345 000
Barley	3 454 000	6 743 000
Oats	650 000	1 050 000
Sorghum	758 000	1 935 000
Millet	30 338	-
Triticale	389 000	841 000
Other cereals	136 357	-
Oilseeds, total	1 606 552	1 910 000
Rapeseed (Colza)	1 459 000	1 775 000
Cottonseed	536 000	666 000
Soybeans	33 262	-
Groundnuts	17 000	39 000
Sugarcane	403 000	28 117 000
Tobacco	2 000	6 000
Vegetables, total	137 137	-
Potatoes	39 622	1 302 110
Tomatoes	9 582	556 240
Carrots	7 992	320 908
Lettuce	5 758	152 742
Onions	4 991	221 921

PERMANENT CROPS		
	Number of trees	Production (mt)
Apples	6 455 000	324 599
Pears	1 373 000	168 896 000
Oranges	6 669 000	550 200
Mandarins	404 000	36 197 000
Lemons and Limes	1 356 000	78 913 000
Plums and Prunes	1 328 000	31 298 000
Peaches	1 674 000	74 142 000
Nectarines	1 072 000	33 661 000
Cherries	861 000	8 485 000
Apricots	498 000	20 639 000
Olives	145 000	2 370 000
Avocados	504 000	29 834 000
Mangoes	1 017 000	37 398 000
Almonds	955 000	9 475 000
Macadamia nuts	2 406 000	22 691 000
	Area (ha)	Production (mt)
Grapes	148 258	1 546 000
Papayas	537	9 622
Pineapples	2 733	119 618
Bananas	11 737	358 388

LIVESTOCK		
	Holdings reporting	Number of head
Cattle		
Total	78 943	27 721 000
For milk production	-	3 217 000
For meat production	-	24 504 000
Buffaloes	15	7 327
Horses	25 272	223 998
Sheep	49 817	110 928 000
Pigs	3 480	2 748 000
Chickens	-	90 973 000
Laying hens	522	14 276 000
For meat production	823	76 697 000

AUSTRIA - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Until 1990 structural data on Austrian agriculture were collected through the agricultural and forestry farm censuses (complete enumeration surveys) conducted at 10-yearly intervals. Supplementary data on land use, labour force and farm machinery was collected through additional periodic surveys. Agricultural census 1999/2000 was carried out in Austria in pursuance of EU legislation.

Organization

As per a regulation under the 1965 Federal Statistics Act adopted by Federal Ministry of Agriculture and Forestry, the responsibility for conducting the survey was assigned to Austrian Central Statistics Office. At local level the responsibility of conducting the survey was assigned to 2 360 local authorities who actually carried out the survey with the assistance of survey bodies.

Enumeration period

For Agricultural Census from 1 – 30 June 1999. For General Livestock Census from 1 – 7 December 1999.

Reference date/period

For Farm Structure Survey: 1 June 1999. For livestock numbers: 1 December 1999. For farm labour force: the 12 months preceding the day of the census.

Definition

- **Operator:** Person or groups on whose behalf and on whose responsibility the farm is run (holder).
- **Keeper:** Person or groups on whose behalf and on whose responsibility the animals are kept (holder).

The concepts and definitions for the survey have been harmonized with EU standard over a period time while maintaining continuity with old data series and keeping in view the national needs.

Coverage

Geographically, the survey covered the entire territory of the country. The legal provision for the survey required the following parties to provide statistical information:

- Operators of agricultural and forestry holdings with a utilized agricultural area of at least 1 ha;
- Operators of commercial vineyards of at least 25 ares, intensively-farmed areas of fruit trees of at least 15 ares, and areas under berries, strawberries, vegetables, flower and ornamental plants, vine and tree nurseries, or at least 10 ares under glass or foil;
- Operators producing cultivated mushrooms for the market;
- Operators of holdings exclusively geared to forestry with at least 3 ha of woodland;
- Keepers of at least three head of cattle, five pigs, ten sheep, ten goats or 100 of any kind of poultry.

Frame

The survey frame was based on the 1995 Farm Structure Survey. For preparation of sampling frame an initial list of holdings was obtained from the farm register which is constantly updated. The holdings which ceased operation during 1999 were eliminated and the new holdings were listed. Also, the holdings which did not qualify as per raised threshold for FSS 1999 were eliminated.

Method

Both the Agricultural Census and the General Livestock Census were conducted as complete enumeration surveys. Paper questionnaires were used for direct consultation of farmers. The forms used were machine-readable and were linked together by using a common identification code.

Data source

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

Contact

Statistics Austria, A-1110 Vienna, Guglgasse 13. Tel.: (+43) 1 711 287 070; Fax: (+43) 1 715 6828;
E-mail: info@statistik.gv.at.

Website

http://www.statistik.at/index_englisch.shtml

AUSTRIA - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	199 470	6 804 610

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	199 470	6 804 610
Holdings without agricult. land	2 420	4 040
0 - 2 ha of agricultural area	26 690	144 820
2 - 5 ha	43 440	357 340
5 - 10 ha	38 170	656 790
0 - 20 ha	44 760	1 208 900
20 - 30 ha	20 760	827 480
30 - 50 ha	14 320	808 820
50 - 100 ha	5 980	650 490
>= 100 ha	2 930	2 145 930

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	194 910	-
Other	4 560	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	3 388 230
Owned	-	2 567 240
Rented	-	727 820
Under other forms of tenure	-	93 170

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	194 910	-
Male	137 370	-
Female	57 540	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	194 910	-
< 35 years of age	30 870	-
35 to 44	55 880	-
45 to 54	51 200	-
55 to 64	36 700	-
65 >	20 260	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	507 400	-
Male	283 540	-
Female	223 860	-
Of which, full time:		
Total	78 050	-
Male	55 730	-
Female	22 320	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	19 410	-
Of which, full time	9 720	-

LAND USE		
	Number of holdings	Area (ha)
All land	199 470	6 804 610
Agricultural land	-	3 388 230
Cropland	-	1 471 990
Arable land	125 170	1 401 370
of which: kitchen gardens	43 180	6 250
Permanent crops	37 760	70 620
Permanent mead./pastures	162 080	1 916 240
Wood / forest land	153 000	2 665 450
All other land	-	750 930

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	-	261 270
Soft wheat	51 790	240 790
Durum wheat	3 440	20 480
Rye	22 750	56 140
Barley	71 680	244 880
Oats	28 840	35 770
Maize	35 790	177 940
Dry pulses	20 180	49 230
Potatoes	32 080	23 490
Sugarbeets	10 940	47 080
Industrial plants	33 550	133 060
Rapeseed and Turnip	13 590	65 810
Sunflowerseed	6 270	24 260
Soybeans	4 410	18 660
Vegetables (grown in the open)	8 490	12 570

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Grapes	24 560	51 200

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	100 660	2 151 340
of which: dairy cows	77 470	697 310
Sheep	17 330	339 250
Goats	11 800	50 810
Pigs	82 200	3 425 450
Chickens, total	-	13 640 000
Broilers	2 150	7 010 000
Laying hens	79 700	6 630 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	167 940	326 580
Tractors not belonging to the holding	15 770	-

AZERBAIJAN - Agricultural Census 2004/05 - Explanatory Notes

Historical outline

The first Census of Agriculture was conducted in Azerbaijan in 1921. After the creation of large Collective and State Farms, in 1932, statistical data were obtained from State Statistical Records, while information on population's own subsidiary farms were collected with sample observations and complete records. Surveys on vineyard, garden and berries plantations were conducted periodically since 1940. Cattle surveys are carried out annually, as at 1st of January. The Agricultural Census 2004/05 is the first comprehensive Agricultural Census of the Republic of Azerbaijan.

Organization

The 2004/05 Agriculture Census was organized and conducted by the Agriculture Statistics Division of State Statistical Committee of the Republic of Azerbaijan. The census program was prepared by specialists drawn from relevant Ministries, Government Offices and other Organizations.

Enumeration period

Data were collected from 1 – 30 June 2005.

Reference date/period

Data on agricultural enterprises refer to 1 July 2005. Data on population and peasant farms refer to 1 June 2005.

Definition

- **Peasant (farmer) farm** is a farm engaged in agricultural production and sales on land owned or leased, based on family work and officially registered as legal entity. Peasant farmer could be a single person or a family.
- **Family peasant farm** is one engaged in agricultural production and sales on land owned or leased, based on family work, in absence of the constitution of a legal entity.
- **Households farms** include farms of urban and rural residents not having received land share as a result of agrarian reform, and having only homesteads or livestock.
- **Summer house farms** include all farms available as summer residence-dacha in suburban areas and used as temporary summer houses.
- **Collective-joint farm** is a thrift form of engaging in selling, processing and production of agricultural products based on private property of two or more families/citizens.
- **Joint-stock companies** which can be: a) *open* when stocks can be negotiated without the consent of other stockholders or b) *close* when stocks can be expanded only among the founders or in -advance designated persons.

Coverage

The census covered the whole country except occupied lands.

Frame

State Records and Registers of all categories of farms are taken and updated.

Method

Two main groups of farm categories were considered:

- **The first group** (Form No. 1) included all institutional farms (collective farms, joint-stock companies, societies, state farms). According to the registration and inventory documents, these farms have presented filled in census questionnaires to the Statistical Bodies.
- **The second group** (Form No. 2) included peasant (farmer) farms, family peasant farms and homesteads. For this group the census was conducted by sampling method.

Data source

Agriculture Census 2005. State Statistical Committee, Agriculture Statistics Division, Republic of Azerbaijan.

Contact

The State Statistical Committee, Agriculture Statistics Division, AZ 1136 Baku, Inshaatchilar Avenue, Republic of Azerbaijan. Tel.: (+994) 12 438 1171; Fax: (+994) 12 438 2442; E-mail: sc@azstat.org.

Website

<http://www.azstat.org>

AZERBAIJAN - Agricultural Census 2004/05 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	1 287 385	2 341 000
Peasant farms	1 285 358	1 938 200
Enterprises	2 027	402 800

TENURE OF LAND		Agricultural area (ha)
Total		2 341 000
Owned or in ownerlike possession		1 793 100
Rented from others		402 000
Under other forms of tenure		145 900

FARM POPULATION BY SEX		Number of persons
Total		4 857 600
Male		2 411 000
Female		2 446 600

EMPLOYMENT IN AGRICULTURE		Number of workers
Total		2 591 200
Male		1 284 600
Female		1 306 600

LAND USE		Area (ha)
Total land		2 341 000
Agricultural land		2 163 800
Cropland		1 676 400
Arable land		1 555 700
Land under temporary crops		1 357 100
Land temporarily fallow		198 600
Land under permanent crops		120 700
Land under permanent meadows/pastures		487 400
Wood or forest land		12 300
All other land		164 900

TEMPORARY CROPS		Area sown(ha)
Wheat		598 100
Barley		171 400
Rice		2 400
Maize		32 300
Cotton		112 700
Tobacco		2 800
Sugarbeet		3 100
Sunflower		11 500
Potatoes		71 100

PERMANENT CROPS		
	Trees/plants total number	Trees/plants of productive age
Berries	364	364
Vines	8 868	1 882
Tea	1 798	1 797

MACHINERY/EQUIPMENT		Number of holdings reporting
Tractors		14 913
Harvesters		1 345

BANGLADESH - Agricultural Sample Survey 2005 - Explanatory Notes

Historical outline

The previous agricultural censuses were organized in 1960, 1977, 1983/84 and in 1996/97.

Organization

The Agricultural Sample Survey 2005 has been organized by the Ministry of Finance and Planning, Bureau of Statistics, Planning Division.

Enumeration period

The Agriculture Sample Survey 2005 was conducted during the period 17 – 31 May 2005.

Reference date/period

Data collected refer the period from 14 April 2004 to 13 April 2005. About the items of information on holder, size of land holding, land tenure, operated land and farm population the reference time was the day of enumeration.

Definition

- Household: a group of persons normally living together and eating in one mess with their dependents, relatives, servants, etc.
- **Agricultural household:** ultimate sampling unit from which agricultural data were collected.
- **Mauza:** the lowest administrative territorial unit having a separate jurisdiction and the revenue records.
- **Enumeration area (EA):** well defined and specified area of enumeration assigned to an enumerator to conduct the survey
- **Holder:** the member of the household who exercises management control over the operation of the agricultural holding
- **Mohalla:** human settlement or a part of residential segment of a city or town having its own identity

Coverage

A fixed number of clusters (10% of the administrative subdivisions mauzas and mohallas) were selected in each zila (district)/city and the selected agricultural households were interviewed in each cluster. The Mauzas were divided in two classes: up to 500 households and more than 500 households. The enumeration areas (EAs) were delineated with about 200 households from the selected Mauzas and 300 households from the selected Mohallas. A total of 13 539 EAs were selected for the enumeration.

Frame

The sampling is a stratified cluster one. It was developed a stratified cluster design with Mohalla and Mauza as cluster of households.

Method

The sample includes two-level stratification:

- Localities dividing the whole country in 3 strata:
 - **Metropolitan area** consisting of municipalities of 6 Metropolitan cities;
 - **Urban area** consisting of municipalities of other Zila towns;
 - **Rural area** consisting of remaining areas of the country.
- Stratification was done within the selected localities.

Data source

Preliminary Report, Agriculture Sample Survey, October 2005. Bangladesh Bureau of Statistics, Planning Division, Ministry of Planning, Government of the People's Republic of Bangladesh.

Contact

Bangladesh Bureau of Statistics, Bangladesh Secretariat, Building No. 8, Dhaka 1000, Bangladesh.

Website

<http://www.bbs.gov.bd>

BANGLADESH - Agricultural Sample Survey 2005 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	28 191 544	9 782 409
Holdings with land	24 236 924	-
Holdings without land	3 954 620	-
of which: Farm Holdings	14 941 500	-

LAND TENURE	
	Area (ha)
Area owned	9 529 392

LAND USE	
	Area (ha)
Cultivated area	7 537 108
of which:	
Area under temporary crops	6 866 861

MACHINERY AND EQUIPMENT		
	Holdings reporting	
Machinery owned	8 881 987	
Transport means owned	8 133 687	

Historical outline

Belgium participated in all the rounds of World Census of Agriculture. An exhaustive Agricultural and Horticultural Census is conducted annually on 15 May and 1 December to cover summer and winter crops. The legal basis for the census is provided by the Royal Decree issued pursuant to the Law of 4 July 1962 on public statistics, as amended by the Law of 1 August 1985. Belgium also participates in Farm Structure Survey of European Community.

Organization

The National Institute of Statistics (INS), Ministry of Economic Affairs, has the responsibility for executing periodic large-scale censuses and surveys, and for preparing official statistics. The Mayors of the municipalities are responsible for conducting and supervising both the 15 May and 1 December censuses. The Mayor appoints the enumerators for carrying out personal interviews for the census districts within each municipality.

Enumeration period

The agricultural census is conducted in two phases:

- Between 1 and 31 May to collect information on land use, livestock and agricultural machinery.
- In December to collect information on winter wheat, livestock and farm labour force.

The municipalities have 30 days for the 15 May Census and 20 days for the 1 December Census to return the completed questionnaires to the National Statistical Institute.

Reference date/period

Information on land use, livestock and agricultural machinery refers to 15 May, while data on farm labour force, winter wheat and livestock refer to 1 December.

Definition

The census unit is the agricultural holding, which is defined as a techno-economic unit of agricultural production, situated in a given region, i.e. identified on the territory, under single management, having an output consisting of agricultural, horticultural or livestock products.

Coverage

The census covered all legal and natural persons who have an agricultural holding located in Belgium and who, on the reference date of the census produced for the purpose of selling animal or vegetable products. However, all holdings which operated at least one hectare of land or had animals were included, even if they did not produce for selling.

Frame

A Register of Holdings kept by the National Statistics Office, which provides the starting list to the census enumerators who update it during the process of census. The updated information is recorded in the Register which is used for further sample surveys.

Method

Complete enumeration of holdings is carried out. Information is collected through direct interview; the questionnaire is filled in by the enumerator in the presence of the respondent and signed by both. The municipality supplies to the enumerators census questionnaires, and a list including addresses of holdings prepared on the basis of the Register. The new holdings which have come up in existence since the last census are also listed. The survey is conducted by the enumerator at the place of establishment of the holding in question, i.e. at the place where its main farm buildings are located. If the holding comprises several sub-holdings, relevant data are collected from each sub-holding.

Data source

Report on Farm Structure Survey 1999/2000 of Eurostat, Recensement agricole au 1er mai. Ministère des Affaires Économiques, Institut National de la Statistique.

Contact

Institut National de la Statistique, Rue de Louvain, 44 / 1000, Bruxelles, Royaume de Belgique.
Tel.: (+32) 2 548 6583 ; Fax: (+32) 2 548 6670.

Website

<http://www.statbel.fgov.be>

BELGIUM - National Agricultural and Horticultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	61 710	1 426 780

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	61 710	1 426 780
Holdings without agr. land	1 270	670
0 - 2 ha of agricultural area	9 340	11 710
2 - 5 ha	8 420	30 860
5 - 10 ha	8 300	62 870
10 - 20 ha	10 140	153 600
20 - 30 ha	7 510	190 000
30 - 50 ha	9 210	361 060
50 - 100 ha	6 230	425 130
>= 100 ha	1 290	190 880

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	59 280	-
Other	2 430	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total		1 393 780
Owned		445 170
Rented		937 260
Other forms of tenure		11 350

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	59 280	-
Male	50 380	-
Female	8 900	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	59 280	-
< 35 years of age	6 640	-
35 to 44	14 550	-
45 to 54	13 660	-
55 to 64	12 690	-
65 >	11 740	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	95 010	-
Male	61 600	-
Female	33 410	-
Of which, full time: Total	45 860	-
Male	35 730	-
Female	10 130	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	12 140	-
Of which, full time:	7 030	-

LAND USE		
	Number of holdings	Area (ha)
Total land	61 710	1 426 780
Agricultural land	-	1 393 780
Cropland	-	886 820
Arable land	48 360	866 080
Permanent crops	3 640	20 740
Permanent mead./pastures	43 850	506 960
Wood / forest land	1 360	4 290
All other land	-	28 710

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Soft wheat	22 780	213 140
Rye	680	1 100
Barley	10 680	48 570
Oats	2 800	5 340
Maize	6 410	35 780
Dry pulses	480	2 210
Potatoes	14 980	65 840
Sugarbeets	14 060	90 860
Industrial plants	5 230	38 350
Tobacco	250	390
Hops	60	260
Rapeseed and Turnip	1 080	7 720
Vegetables (grown in the open)	7 930	35 970

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	38 370	3 041 570
of which: dairy cows	18 190	615 860
Sheep	4 600	160 450
Goats	950	16 250
Pigs	10 230	7 368 540
Chickens, total	-	39 920 000
Broilers	1 610	24 500 000
Laying hens	5 460	15 420 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	46 230	92 410
Tractors not belonging to the holding	2 280	-

BHUTAN - Agricultural Census 2000 - Explanatory Notes

Historical outline

The mandate for generation of the Renewable Natural Resource (RNR) statistics was decentralized to the Ministry of Agriculture in 1998. Since then, the Ministry has attempted two Renewable Natural Resources surveys. The first survey based on 10 percent sample was carried out in 1999 and the next one in 2000.

Organization

An Agricultural Census Steering Committee was established to guide the implementation of the census, comprised by the Heads of the Departments of the Ministry of Home Affairs and the Ministry of Trade and Industry. A Census Management Unit was created. The Head of the Statistics Unit along with four other Information Officers representing the three technical departments formed the core group.

Enumeration period

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

Reference date/period

The reference period was the year 2000.

Coverage

The Census was conducted in the whole country including kitchen gardens, but the achieved coverage was only 87 percent. Non-response was on account of seasonal migration, and being away on pilgrimage, business trip etc..

Frame

The RNR survey (Agricultural Census) 2000 is also expected to result in an improvement of the sample frame for the annual RNR survey.

Method

The Census was complete enumeration with no stratification adopted. Enumerators collected information from households, considered as the ultimate census units, through a set of structured questionnaires, by direct interview. Enumeration was conducted in each one of the 20 districts (*dzongkhag*) in which the country is administratively subdivided: once a *dzongkhag* was covered, the enumerators moved to the next until the entire enumeration was completed. Second round of enumeration was necessary to improve the response rate by covering the absentees during the first round.

Data source

Renewable Natural Resources Statistics 2000, (Volume I). Ministry of Agriculture, Royal Government of Bhutan, Thimphu, Bhutan.

Contact

Department of Planning, Ministry of Finance, Post Box 127, Thimphu, Bhutan. Tel.: (+975) 2 325 192, (+975) 2 325 850; Fax: (+975) 2 322 928.

Website

<http://www.dop.gov.bt/>

BHUTAN - Agricultural Census 2000 - Main Results

AGRICULTURAL AREA OF HOLDINGS		
		Agricultural area (ha)
Total	-	105 938

TEMPORARY CROPS		
		Area (ha)
Rice	-	19 145
Maize	-	31 138
Wheat	-	4 688
Barley	-	1 498
Millet	-	6 166
Buckwheat	-	3 528
Potatoes	-	3 122
Radish	-	779
Turnip	-	349

PERMANENT CROPS		
	Number of trees/ plants	of which: of productive age
Apples	368 388	196 479
Oranges	1 761 005	906 703
Walnuts	36 729	5 458
Plums	8 922	5 343
Pears	12 580	8 028
Peaches	29 439	20 657
Areca nut	357 469	142 227
Guavas	26 927	17 950

LIVESTOCK		
		Number of head
Cattle	-	320 509
Buffaloes	-	1 800
Yak	-	34 928
Horses	-	23 329
Mules	-	4 273
Asses	-	285
Sheep	-	22 880
Goats	-	31 328
Pigs	-	41 401
Poultry	-	230 723

BOTSWANA - Agricultural Census 2004 - Explanatory Notes

Historical outline

The 2004 Botswana Agricultural Census (2004 BAC) was the third census of agriculture in the country. Since 1967, annual agricultural sample surveys have been providing agricultural statistics. The first livestock census was carried out in 1971, while two agricultural censuses, covering both crops and livestock, were conducted in 1982 and 1993.

Organization

The 2004 BAC was under the responsibility of the Central Statistics Office (CSO)- Ministry of Finance and Development Planning (MFDP). The Agricultural Statistics Unit (ASU) of CSO, jointly with the Division of Agricultural Planning and Statistics in the Ministry of Agriculture (MOA) carried out the census operations. 43 teams, consisting of three enumerators and one field supervisor each were deployed in the Agricultural Districts of the six Agricultural Regions into which the country was divided.

Enumeration period

The Survey consisted of three phases: the first and second phases (January to June and July to September 2004), investigated the Traditional (Subsistence) Sector, while the third, lasting from November to December 2004, was dedicated to enumeration of the Commercial Sector.

Reference date/period

For structural data: the day of enumeration. For crops: the agricultural season, consisting of the planting season (October to February) and the harvesting season (May to August). For livestock: the 12 month period prior to the enumeration day.

Definition

Holding is an economic unit of agricultural production under single management, comprising total land area, cultivated or under fallow, and livestock owned, managed, rented or operated by the holder. Pieces of land located inside or outside the selected blocks, in one or more separated areas, but inside the same Agricultural District, are considered part of the holding providing they share the same production means.

Coverage

The Census covered the entire country. The 2004 BAC covered all agricultural holdings of both the Traditional and the Commercial Sector.

Frame

- **The Sampling Frame for the Traditional (Subsistence) Sector** consisted of 3 112 Enumeration Areas (EAs) obtained from the 4165 EAs of the 2001 Population and Housing Census (2001 PHC) after exclusion of all EAs demarcated for cities, towns, camps, commercial farms and ranches. A total of 1 202 EAs were then selected as Primary Sampling Units (PSUs). The 2004 BAC frame constituted 211 956 agricultural holdings as Secondary Sampling Units (SSU) as enumerated in the 2001 PHC.
- **The Sampling Frame for the Commercial Sector** consisted of a list of freehold, leased and Tribal Grazing Policy Land (TGLP) farms or ranches, obtained from administrative registers..

Method

A stratified two-stage probability sample design was used for the **Traditional (Subsistence) Sector**. In the first stage, PSUs were selected systematically and with probability proportional to the total number of agricultural holdings (pps) enumerated during 2001 PHC. The second stage consisted of systematic selection of subsistence farmers listed in the selected PSUs. The final sample consisted of 24 040 agricultural holdings. Complete enumeration of holdings was applied for the **Commercial Sector**.

Data source

Botswana Agricultural Census Report 2004, February 2007. Central Statistics Office, Ministry of Finance and Development Planning (MFDP) Gaborone, Republic of Botswana.

Contact

Central Statistical Office, Ministry of finance and Development Planning, Private Bag 0024, Gaborone, Botswana.
Tel.: (+267) 39 505 68; Fax: (+267) 39 560 27; E-mail: csobots@gov.bw.

Website

<http://www.cso.gov.bw>

BOTSWANA - Agricultural Census 2004 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	51 264	96 840
Of which without land	23 781	-

HOLDERS BY SEX AND AGE (TRADITIONAL SECTOR)		
	Male	Female
Total	33 114	17 576
12 to 14 years	2	-
15 to 19 years	20	20
20 to 24 years	223	179
25 to 29 years	706	413
30 to 34 years	1 308	634
35 to 39 years	1 929	1 095
40 to 49 years	6 216	34 000
50 to 59 years	8 164	3 822
60 to 64 years	3 878	1 881
65 years and over	10 215	5 956
Age not stated	453	176

EMPLOYMENT IN AGRICULTURE		
	Holdings reporting	Number of workers
Total Hired workers (traditional sector)	9 990	12 885

FARM POPULATION BY AGE	
	Number of persons
Total	201 177
Under 6 years	32 288
6 to 9 years	18 872
10 to 14 years	24 498
15 to 19 years	19 462
20 to 24 years	18 267
25 to 29 years	12 899
30 to 34 years	10 487
35 to 39 years	8 448
40 to 49 years	16 714
50 to 59 years	14 434
60 to 64 years	6 359
65 years and over	17 680
Age not stated	769

TEMPORARY CROPS	
Maize	
Number of holdings reporting	22 828
Area harvested (ha)	21 187
Production (mt)	4 291
Millet	
Number of holdings reporting	5 011
Area harvested (ha)	2 604
Production (mt)	962
Sorghum	
Number of holdings reporting	16 364
Area harvested (ha)	30 214
Production (mt)	6 095
Edible dry beans/ other pulses	
Number of holdings reporting	18 844
Area harvested (ha)	4 325
Production (mt)	1 093
Groundnuts	
Number of holdings reporting	2 253
Area harvested (ha)	252
Production (mt)	119
Sunflower seed	
Number of holdings reporting	264
Area harvested (ha)	2 830
Production (mt)	479

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	33 893	1 305 092
Sheep, total	9 313	144 528
Under 1 year		
Total	-	39 786
Male	-	19 160
Female	-	20 626
1 year and over		
Total	-	104 742
Male	-	23 314
Female	-	81 428
Goats, total	35 093	817 179
Under 1 year		
Total	-	266 085
Male	-	128 158
Female	-	137 927
1 year and over		
Total	-	551 094
Male	-	110 797
Female	-	440 297
Horses	6 675	29 280
Asses	25 512	198 087
Chickens	35 256	463 173
Pigs	253	2 129
Ostriches	39	1 339

BRAZIL - Agricultural Census 1996 - Explanatory Notes

Historical outline

Nine agricultural Censuses have been conducted in 1920, 1940, 1950, 1960, 1970, 1975, 1980, 1985 and 1996.

Organization

The Brazilian Institute of Geography and Statistics (IBGE) is responsible for planning and conducting the Agricultural Censuses, as well as for analysis and dissemination of data. Data are collected through 7 Regional Departments, 27 Divisions (one for each Province) and 526 Agencies responsible for all operations, from collection to dissemination of data, including the selection and training of Supervisors and Enumerators. Supervision is also provided by the Department of Agricultural and Livestock Statistics (DEAGRO). The staff involved consisted of 3 000 IBGE employees, 10 000 supervisors and 50 000 enumerators.

Enumeration period

Data were collected during the period of about 80 days (August to half October 1996).

Reference date/period

Data on production refer to the period 1 August 1995 to 31 July 1996. Data on ownership, area and employment refer to 31 December 1995. Data on livestock, permanent workers and forestry refer to 31 July 1996.

Definition

The definition of holding matches with the one suggested in the FAO Programme for the World Census of Agriculture (WCA) 2000.

Coverage

The census covered the entire country. Rural and Urban areas were both included. Forest holdings were excluded. Holdings consisting of family gardens only were also excluded.

Frame

The Municipalities were divided into Enumeration Areas (EAs) defined using an adequate cartography. Each EA included an average of 200 households (or 75 agricultural holdings) in rural areas, and 300 households in urban areas.

Method

Complete enumeration of all holdings was carried out, using direct interview method. On average, each enumerator made 3 interviews a day, spending about 25 days per EA. In some Regions, due to difficulties to recruit qualified personnel, some enumerators collected data in two or more EAs. Data were collected for 27 Provinces, including the Federal District of Brasilia.

Data source

Censo Agropecuario 1996, Tomo I. Instituto Brasileiro de Geografia e Estadística.

Contact

Fundacao Instituto Brasileiro de Geografia e Estadística (IBGE), Diretoria de Pesquisa (DPE) Av. Republica do Chile 500/10, CEP 20.031, 170 Rio de Janeiro, Brazil. Tel.: (+55) 21 424 747; E-mail: ibge@ibge.gov.br.

Website

<http://www.ibge.gov.br/home/default.php>

BRAZIL - Agricultural Census 1996 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	4 859 865	353 611 246

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	4 859 865	353 611 246
Under 1 ha	512 032	280 956
1 and under 2 ha	471 298	637 186
2 and under 5 ha	796 723	2 543 527
5 and under 10 ha	622 320	4 420 526
10 and under 20 ha	701 417	9 799 204
20 and under 50 ha	814 695	25 438 629
50 and under 100 ha	400 375	27 455 753
100 and under 200 ha	246 314	32 919 190
200 and under 500 ha	165 243	50 436 030
500 and under 1 000 ha	58 407	40 186 297
1 000 ha and over	49 359	159 493 948
Not classified by size	21 682	-

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	4 859 865	353 611 246
Civil person	4 713 491	294 512 249
Corporation	133 563	56 382 189
Cooperative	1 143	191 022
Government	7 797	2 135 299
Other	3 871	390 487

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	4 859 865	353 611 246
Owned	3 604 343	331 654 891
Rented	545 812	11 823 529
Other forms of tenure	709 710	10 132 826

HOLDER'S HOUSEHOLD MEMBERS > 14 YEARS BY SEX		
	Number of holders	
Total	23 179 212	-
Male	12 660 737	-
Female	10 518 415	-

HOLDERS AND HOUSEHOLD MEMBERS ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	13 607 879	-
Male	8 416 879	-
Female	5 191 000	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	4 323 011	-
Male	3 561 632	-
Female	761 379	-

LAND USE		
	Number of holdings	Area (ha)
Total land	-	353 611 246
Agricultural land	-	227 804 956
Cropland	-	50 104 484
Arable land	-	42 562 858
Permanent crops	1 532 854	7 541 626
Permanent mead./pastures	-	177 700 472
Wood / forest land	-	94 293 598
All other land	-	31 512 692

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	63 916	893 555
Rice	927 619	2 977 019
Maize	2 539 892	10 602 850
Soybeans	242 999	9 479 893
Sugarcane	377 207	4 216 427
Edible dry beans	-	4 085 523
Cassava (manioc)	1 159 430	1 233 138
Cotton	88 749	619 627

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Oranges	826 875	946 886
Tangerines	429 259	52 202
Mangoes	296 624	63 546
Coffee	368 961	1 812 250
Cocoa	77 207	679 778
Grapes	137 979	56 370
Coconuts	224 169	138 601
Cashew nuts	318 827	538 221
Sisal	5 215	50 534
Rubber	6 283	78 940

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	2 698 197	153 058 275
Pigs	2 007 915	27 811 244
Sheep	450 852	13 954 555
Goats	345 906	6 590 646
Buffaloes	13 117	834 922
Horses	1 618 708	5 565 697
Mules	2 007 945	27 811 244
Asses	575 916	1 105 796
Chickens	3 163 914	718 535 000
Ducks and Geese	-	4 593 000
Turkeys	-	6 774 000
Rabbits	20 354	284 936
Quails	-	5 494 000

CANADA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The British North America (BNA) Act of 1867 determined that a census would be conducted every 10 years starting in 1871. However, rapid expansion in Western Canada at the turn of the last century made a more frequent census necessary. A separate census was conducted every five years in Manitoba beginning 1896, and in Alberta and Saskatchewan beginning in 1906. By 1956, rapid economic growth created the need for both demographic and agricultural information at more frequent intervals. In 1956 the five-year agricultural census was extended to the entire country, and simultaneously undertaken with the Census of Population. Canada participated in all decennial World Censuses of Agriculture promoted by FAO, beginning with the one carried out in 1931, up to the most recent, undertaken in 2001, to which data presented here refer.

Organization

Periodic censuses of agriculture and population are undertaken by the national statistics agency called Statistics Canada. Statistics Canada is made up of several Divisions, of which the Agriculture Division deals exclusively with the collection and publication of agricultural statistics.

Enumeration period

The census day was the 15 May 2001.

Reference date/period

Data on holder, holding, land use, livestock and machinery refer to the day of enumeration, while data on crops, employment, use of fertilizers and pesticides, refer to the 12 months preceding the census.

Definition

In 2001 a census farm was defined as an agricultural operation that produces at least one of the following products intended for sale:

- Crops (hay, field crops, fruit or nut trees, berries or grapes, vegetables, seed);
- Livestock (cattle, pigs, sheep, horses, game animals, other livestock);
- Poultry (hens, chickens, turkeys, chicks, game birds, other poultry);
- Animal products (milk or cream, eggs, wool, furs, meat);
- Other agricultural products (Christmas trees, greenhouse or nursery products, mushrooms, sod, honey, maple syrup products).

Coverage

The Census of Agriculture 2001 covered all census farms in Canada.

Frame

The frame was based on the Statistics Canada's Farm Register, which is a regularly updated and provides a listing of farms in Canada.

Method

The Agricultural Census was conducted jointly with the Population Census. The enumerators visited each household and left a Population Census Questionnaire; an Agricultural Census Questionnaire was also dropped off if anyone in the household operated a farm. Once completed the questionnaire, the respondents were asked to return them by mail for editing. If it was determined that a questionnaire had not been received, or if data were missing, a follow-up was conducted by telephone or by personal visit. Once the questionnaires were received at head office, they were registered, electronically scanned and the data automatically captured from the image using Intelligent Character Recognition technology (ICR).

Data source

Agriculture Census 2001. Statistics Canada.

Contact

Statistics Canada, Statistical Reference Centre (National Capital Region) H. Coats Building, Lobby Holland Avenue, 150 Tunney's Pasture Driveway, Ottawa, Ontario K1A0T6. Tel.: (+1) 613 951 8116; Fax: (+1) 613 951 0581; E-mail: infostats@statcan.gc.ca.

Website

<http://www.statcan.ca>

CANADA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	246 923	67 503 924

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	-	67 503 924
Owned	235 131	42 266 632
Rented	103 484	25 237 292

HIRED PERMANENT WORKERS		
	Number of holdings reporting	
Total	103 280	

LAND USE		
	Number of holdings	Area (ha)
All land	246 923	67 503 924
Land under crops	-	36 395 151
All other land	-	31 108 773

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	72 778	10 860 220
Soft wheat	57 811	8 301 605
Durum wheat	13 226	2 136 485
Alfalfa	90 690	4 504 042
Barley	60 467	4 696 911
Oats	45 817	1 890 131
Maize	27 842	1 299 506
Maize for silage	15 815	235 962
Rapeseed (colza)	33 283	3 782 989
Hay and fodder crops	65 014	2 810 386
Vegetables	9 824	133 854
Sweet corn	3 637	35 490
Green peas	1 903	17 455
Green or wax beans	2 302	12 141
Flaxseed	9 467	666 673
Soybeans	24 729	1 082 547
Sunflowerseed	935	70 561
Mustard seed	2 018	162 176
Potatoes	3 887	169 475
Lentils	5 891	703 800
Canary seed	2 168	166 529
Edible dry peas	14 324	1 340 431
Edible dry beans	7 205	663 031

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples	4 690	2 284
Blueberries	25 825	43 982
Grapes	1 444	10 589

LIVESTOCK		
	Holdings reporting	Number of head
Cattle		
Total	122 066	15 551 449
<1 year	110 397	5 203 770
1 year >	-	10 347 679
Male	-	1 991 318
Female	-	8 356 361
Sheep	13 232	1 262 448
Goats	7 706	182 851
Pigs	15 472	13 958 772
Wild boars	505	33 131
Horses	53 925	460 569
Bison	145	15 346
Elks	1 172	74 478
Llamas/Alpacas	3 190	25 782
Deer	809	53 258
minks	218	1 349 412
foxes	1 887	145 094
Rabbits	1 859	255 762
Chickens	26 484	126 159 529
Turkeys	4 176	8 115 942
Other fowls	7 456	5 311 918

CAPE VERDE - Agricultural Census 2004 - Explanatory Notes

Historical outline

The first Census of Agriculture in Cape Verde was undertaken in 1963. The second was carried out in 1978, while the third was conducted in 1988. Consequently, the 2004 General Census of Agriculture (RGA) to which data here presented refer, is the fourth ever conducted in the country.

Organization

At the central level, the Ministry of Environment Agriculture and Fisheries (MAAP), was responsible for the organization of the RGA. The MAAP executed the census through its Studies and Planning Office (GEP) which was the office responsible for the generation of Special Statistics (OPES) in collaboration with the National Institute of Statistics (INE). INE is the responsible office for technical co-ordination of official statistical operations in the context of the National Statistical System (SEN). The peripheral organizational structure of the RGA consisted of census offices at regional level called "Célula Regional do Recenseamento General de Agricultura". Technical and financial assistance for the census was provided by:

- the Food and Agriculture Organization of the United Nations (FAO) in the preparatory phase of the census lasting from 1999 to 2001,
- the Government of Sweden through the Swedish Bureau of Statistics in the central phase of the census, and
- the Government of Italy, through the National Statistical Office (ISTAT) during the phase after the census to develop a Permanent Statistical System in the country.

About 298 supervisors, controllers and enumerators carried out the field work for the census.

Enumeration period

Data were collected during the period 3 May to 31 July 2004.

Reference period

For the majority of census items the reference period was the agricultural year 2003/04, i.e. from 1 May 2003 to 30 April 2004. For census items like number of livestock, holding characteristics and farm population the reference time was the day of the enumerator's visit.

Definition

- **Agricultural holding** was the statistical unit of the census – managed either by an agricultural household or a non-household entity. Non-household holdings are those managed by cooperatives, collectives, government holdings and private corporations.
- **Agricultural Holder** was defined as the person who has the moral and financial responsibility of carrying out the agricultural operations and takes the major decisions regarding use of sources.

Coverage

The General Census of Agriculture 2004 was designed to cover both rural and urban areas all over Cape Verde Islands.

Frame

In order to build the census frame, maps of census cartography were provided by the National Statistics Institute (INE). A list of households prepared for the Population and Housing General Census conducted in 2000 was also used to prepare the RGA frame.

Method

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

Data source

Recenseamento Geral da Agricultura 2004, Resultados Definitivos. Ministério do Ambiente, Agricultura e Pescas. República de Cabo Verde.

Contact

Instituto Nacional di Estadística, Av. Amílcar Cabral, 115, CP 116, Plateau Praia, República de Cabo Verde.
Tel.: (+238) 2 613 827; Fax: (+238) 2 611 656; E-mail: inecv@ine.gov.cv.

Website

<http://www.ine.cv>

CAPE VERDE - Agricultural Census 2004 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	44 450	44 359

AGRICULTURAL AREA OF HOLDINGS BY SIZE		
		Area (ha)
Total	-	44 359
Under 0.1 ha	-	311
0.1 and under 0.5 ha	-	15 961
0.5 < 1 ha	-	15 254
1 < 2 ha	-	7 936
2 ha and over	-	4 897

FRAGMENTATION		
	Number of parcels	
Total	85 651	-

HOLDERS BY SEX		
	Number of holders	
Total	44 450	-
Male	21 989	-
Female	22 461	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	222 254	-
Male	106 031	-
Female	116 223	-

EMPLOYMENT IN AGRICULTURE		
	Number of persons	
Holder's household members working on the holding	68 484	-
Male	34 115	-
Female	34 369	-
Hired permanent workers	1 823	-
Male	1 188	-
Female	635	-
Hired temporary workers	25 689	-
Male	17 190	-
Female	8499	-

TEMPORARY CROPS		
	Number of holdings reporting	
Millet	33 895	-

PERMANENT CROPS		
	Number of trees	
	In compact plantation	Scattered (productive age)
Avocados	67	1 151
Bananas	492 113	85 999
Breadfruit	2 102	1 056
Coconut	370	4 612
Coffee	97 479	148 967
Date-palms	-	1 809
Figs	-	2 133
Grapes	1 518	81 051
Guava	254	10 981
Jaca	-	113
Lemons	644	2 237
Mangoes	601	25 457
Oranges	115	3 909
Papaya	18 598	38 061
Peaches	-	312
Quinces	1 508	8 752
Sorrel	-	2 562

LIVESTOCK		
		Number of head
Cattle	-	22 306
Under 1 year, total	-	4 147
1 - 2 years	-	-
Total	-	5 830
Male	-	2 417
Female	-	3 413
2 years and over	-	-
Total	-	12 329
Male	-	1 929
Female	-	10 400
Sheep	-	10 400
Goats	-	148 094
Pigs	-	77 316
Horses/Mules/Asses	-	11 302
Poultry(excluding Ducks/Turkeys)	-	327 562
Ducks/Turkeys	-	15 558
Rabbits	-	4 458

MACHINERY		
	Number of units	
Tractors	56	-
Motor-pumps	818	-
Electric pumps	218	-
Other pumps	104	-
Dusters	770	-
Fertilizer distributors	225	-

CHILE - Agricultural Census 1997 - Explanatory Notes

Historical outline

The previous censuses were organized in 1930, 1936, 1955 and 1976.

Organization

The "Instituto Nacional de Estadísticas" (INE) is the responsible office for the organization of the Agricultural Census. In the organization of the census Regional Commissions, *ad-hoc* created, were involved.

Enumeration period

Total country was divided into 12 Statistical Regions. Data were collected in Statistical Regions II to X from March 31 to May 30, 1997, while in Statistical Regions I, XI, and XII; data were collected during the first 6 months of 1996.

Reference date/period

The inventory data refer to the day of enumeration. Other data refer to the period May 1996 to April 1997.

Definition

Agricultural holding is an agricultural unit having at least one of the following:

- 0.1 ha of permanent pastures;
- 0.1 ha under temporary or permanent crops;
- 0.1 ha of wood plantations;
- 5.0 ha of wood or forest land;
- 2 large livestock with more than 2 years of age;
- 4 large livestock with less than 2 years of age;
- 10 small livestock;
- 50 geese, ducks, rabbits;
- 100 chickens;
- 10 beehives.

Coverage

The agricultural census covered the whole country. Information obtained from statistical regions I, XI, and XII during the previous year was used for preparing complete national estimates.

Frame

The list of holdings to be enumerated was prepared using information available in "Servicio de Impuestos Internos" integrated with regional investigation and the cartography of INE, used in the "1992 Censo de Poblacion y Vivienda". Each enumerator was assigned an Enumeration District, or a part of it, consisting of 300 holdings or more.

Method

The agricultural census was based on complete enumeration.

Data source

Censo Nacional Agropecuario 1997 (VI), Total Nacional. Instituto Nacional de Estadísticas (INE), Chile.

Contact

Instituto Nacional de Estadística (INE), Avenida Presidente Bulnes 418, Santiago de Chile.

Tel.: (+56) 2 366 7777; Fax: (+56) 2 366 671 2169; E-mail: inesdadm@reuna.cl.

Website

http://www.ine.cl/canales/chile_estadistico/home.php

CHILE - Agricultural Census 1997 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	316 492	26 502 363

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	316 492	26 502 363
Holdings without land	4 190	-
Under 1 ha	42 105	20 944
1 and under 5 ha	88 124	217 361
5 and under 10 ha	50 176	355 137
10 and under 20 ha	47 936	672 098
20 and under 50 ha	43 751	1 363 334
50 and under 100 ha	18 771	1 290 506
100 and under 200 ha	9 855	1 356 763
200 and under 500 ha	6 475	1 985 089
500 and under 1000 ha	2 355	1 625 089
1000 ha and over	2 754	17 616 042

FRAGMENTATION		
	Number of holdings	Parcels
Total	312 302	-
Holdings reporting:		
1 parcel	219 344	-
2 - 3 parcels	72 680	-
4 - 5 parcels	13 207	-
6 - 9 parcels	5 510	-
10 parcels and more	1 561	-
Number of parcels	-	504 940

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	316 492	26 502 363
Civil person	308 006	16 541 088
Corporation	6 655	5 118 134
Government	717	1 904 041
Other	1 114	2 939 100

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	312 302	26 502 363
Under one form of tenure	276 816	22 630 362
Owned	234 803	21 266 431
Rented	13 946	793 578
Under other single forms	28 067	570 353
Under more than one form of t.	35 486	3 872 001

HOLDERS AND HOUSEHOLD MEMBERS BY SEX AND AGE		
	Number of persons	
Total	833 940	-
<15 years	214 685	-
15 >		
Total	619 255	-
Male	323 817	-
Female	295 438	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	520 823	-
Male	447 375	-
Female	73 448	-

LAND USE		
		Area (ha)
All land	-	26 502 363
Agricultural land	-	15 222 234
Cropland	-	2 297 275
Arable land	-	896 489
Permanent crops	-	1 400 786
Permanent mead./pastures	-	12 924 959
Wood or forest land	-	5 739 769
All other land	-	5 540 360

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	89 299	398 642
Rice	2 537	25 748
Maize	26 165	86 522
Barley	2 436	21 945
Potatoes	91 222	80 685
Tomatoes	5 475	17 570
Sugar beets	7 886	41 697
Oats	36 420	104 369

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples	5 322	39 901
Pears	1 453	11 882
Peaches	4 438	11 827
Grapes	3 160	43 854
Oranges	2 434	7 294
Pineapples	16	14
Plantains	19	27
Lemons	3 551	7 663
Plums	1 265	12 398

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	160 218	4 098 438
Pigs	105 665	1 716 881
Sheep	90 808	3 695 062
Goats	22 078	727 310
Horses	121 122	408 186
Mules	3 625	8 659
Asses	7 579	22 213
Chickens	195 852	39 247 593
Ducks	42 706	309 628
Geese	49 999	358 965
Turkeys	40 182	1 777 906
Alpacas	936	45 244
Llamas	1 600	79 294

CHINA - Agricultural Census 1997 - Explanatory Notes

Historical outline

The Agricultural Census 1997 of China was the first ever undertaken in the country.

Organization

The responsible office for the Agricultural Census is the "National Agricultural Census Office of State Council". About 7.2 millions field workers, including enumerators and supervisors, carried out census.

Enumeration period

Data were collected during the period 1 – 31 January 1997.

Reference date/period

Data on inventory items refer to the day of enumeration, while all other data refer to the calendar year 1996.

Definition

- **Rural household** refers to households living in rural areas for a long time and engaged in production and operational activities.
- **Agricultural household** refers to rural household whose members are either engaged in purely agricultural activities, or in a combination of agricultural and non-agricultural activities.
Agricultural households could be:
 - Purely agricultural, if their household members are fully engaged in agricultural activities.
 - Mainly agricultural, if their household members are engaged mainly in agricultural activities.
 - Mainly non-agricultural, if their household members are engaged mainly in non-agricultural activities.If the household members are engaged 50 percent in agricultural and 50 percent in non-agricultural activities, the category is defined by the household's income.
- **Non-agricultural household** refers to a rural household whose household members are fully engaged in non-agricultural activities.

Coverage

The census covered all agricultural holdings in rural areas.

Frame

The frame consisted of the list of households as obtained from the Population Census. An Enumeration Area includes about 50 households.

Method

The census was undertaken on a complete enumeration basis. Data were collected through personal interview. Six different questionnaires were used:

- Questionnaire for Rural Household Holdings (A601);
- Questionnaire for Non-Household Agricultural Holdings (A602);
- Questionnaire for Administrative Villages (A603);
- Questionnaire for Townships and Towns (A604);
- Card for non-agricultural town and township enterprises (A605);
- Card for agricultural land (A606).

Data source

Abstract of the First National Agricultural Census in China, Food and Agricultural Statistics Centre, Beijing, 1999.

Contact

National Bureau of Statistics of China, No. 57, Yuetan Nanjie, Sanlihe, Xicheng District, Beijing 100826.

Fax: (+86) 10 687 820 00; Email: info@stats.gov.cn.

Website

<http://www.stats.gov.cn/english/index.htm>

CHINA - Agricultural Census 1997 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	193 445 894	130 039 200

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	
Total	193 446 000	-
Under 0.2 ha	58 597 000	-
0.2 and under 0.6 ha	102 423 000	-
0.6 and under 1 ha	18 877 000	-
1 and under 1.4 ha	6 020 000	-
1.4 and under 2 ha	3 477 000	-
2 and under 3.4 ha	2 841 000	-
3.4 and under 6.6 ha	750 000	-
6.6 and under 10 ha	75 000	-
10 and under 13.4 ha	17 000	-
13.4 ha and over	369 000	-

LEGAL STATUS		
	Number of holdings	
Total	193 445 894	-
Civil person	193 088 000	-
Corporation	8 700	-
Cooperative	59 700	-
Government	10 300	-
Other	21 394	-

HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	799 673 000	-
Male	413 142 000	-
Female	386 531 000	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLDS ENGAGED MAINLY IN AGRICULTURE		
	Number of persons	
Total	518 961 350	-
Male	272 181 013	-
Female	246 780 337	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	6 693 648	-
Male	4 214 375	-
Female	2 479 273	-

TEMPORARY CROPS		
		Area (ha)
Wheat	-	28 210 600
Rice	-	27 954 300
Maize	-	24 364 200
Rapeseed	-	449 100
Cotton	-	3 143 400
Sugar crop	-	970 100
Tobacco	-	1 281 600
Melons	-	616 900
Groundnuts	-	2 632 500

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	39 489 810	70 213 955
Pigs	13 030 486	335 344 414
Sheep	6 886 647	102 145 030
Goats	21 776 374	114 667 599
Buffaloes	15 844 784	20 865 755
Horses	5 181 085	8 069 585
Mules	4 132 882	4 535 792
Asses	7 082 929	8 597 818
Yaks	579 206	12 251 434
Camels	63 481	322 447

COLOMBIA - Agricultural Census 2001 - Explanatory Notes

Historical outline

Censuses of Agriculture were successfully undertaken in the country in 1960 and 1970. The First National Agricultural Sample Survey was conducted in 1988. Data presented here refer to the latest Agricultural Sample Survey conducted in Colombia, i.e. the "Encuesta Nacional Agropecuaria 2001".

Organization

The National Agricultural Survey was conducted by the National Administrative Department of Statistics (DANE) in agreement with the Ministry of Agriculture and Rural Development, which also provided financial assistance to the project, and in collaboration with the National Department of Planning. Staffs consisting of 809 technicians and agriculture experts were involved in the field work operating as coordinators, supervisors, enumerators and coding experts.

Enumeration period

The field work was carried out between June 2001 and April 2002.

Reference date/period

Data on land use, temporary and permanent crops, scattered fruit trees, meadows and pastures, number of livestock, number of PSM (Pedazo de Segmento de Muestreo), refer to the day of enumeration. Area cultivated, crop production and yields refer to the calendar year 1 January to 31 December 2001. Data on milk production refer to the day preceding the interview.

Definition

- **Primary Sample Unit (UPM):** is defined as a piece of land identified by natural boundaries, generally reported on maps, aerial photos or satellite images, into which the total area to be investigated is divided, and used to build the area frame.
- **Segmento Muestral (SM):** is a little piece of land inside the UPM.
- **Pedazo de Segmento de Muestreo (PSM):** is a piece of land inside the SM corresponding to the entire agricultural holding or to a part of it.
- **Finca:** Technical and economic unit, located within the boundaries of a Municipality, under single management.
- **Lote:** is a plot planted with a single crop or a combination of crops or temporarily fallow.
- **Potrero:** plot with grass, pastures or forages for the cattle.

Coverage

The Encuesta Nacional Agropecuaria covered the rural area of the country, administratively consisting of 32 Departments and 1 096 Municipalities. An area of about 50.7 million hectares was covered, with the exclusion of urban and peri-urban areas and the non-agricultural regions.

Frame

An Area frame of UPM and a frame based on lists of holdings geographically identified, kept in the municipality administrative registers, were used.

Method

The Survey methodology was based on a combination of the following statistical methods:

- Complete Enumeration for special crops;
- Sampling method, consisting, in turn, of three different types: Area Cluster; Element Sampling; A combination of the two;
- Use of Administrative Registers.

Data for 1) and 2) were collected through direct interview; objective measurements were carried out. 5 787 segments out of the total sample of 6 216 (93.1 percent), were covered.

Data source

Encuesta Nacional Agropecuaria, Resultados 2001, Ministerio de Agricultura y Desarrollo Rural, Departamento Administrativo Nacional de Estadística (DANE), República de Colombia.

Contact

Ministerio de Agricultura y Desarrollo Rural, Departamento Administrativo Nacional de Estadística, (DANE), Avenida Jiménez N 7-65, Bogotá DC República de Colombia. Tel.: (+57) 1 334 1199; E-mail: ena@dane.gov.co.

Website

<http://www.dane.gov.co>

COLOMBIA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF PSMs BY SIZE OF PSM		
	Number of holdings	Area (ha)
Total	2 021 895	50 705 453

NUMBER AND AGRICULTURAL AREA OF PSM BY SIZE		
	Number of holdings	Area (ha)
Total	2 021 895	50 705 453
<1 ha	366 244	191 820
1 - 3 ha	465 025	844 523
3 - 5 ha	236 633	899 925
5 - 10 ha	291 752	2 042 050
10 - 20 ha	225 238	3 127 283
20 - 50 ha	219 912	6 884 453
50 - 100 ha	108 715	7 487 517
100 - 200 ha	55 906	7 566 533
200 - 500 ha	40 797	11 598 122
500 ha >	11 669	10 063 221

LAND USE		
	Number of holdings	Area (ha)
All land	-	50 705 453
Agricultural land	-	41 744 816
Cropland	-	4 135 021
Arable land	-	2 012 961
Permanent crops	-	2 122 060
Permanent mead./pastures	-	37 609 795
Wood / forest land	-	7 678 204
All other land	-	1 282 433

TEMPORARY CROPS		
	Area harvested (ha)	Production (mt)
Barley	4 030	5 625
Beans	69 242	73 392
Broad beans	7 483	18 879
Carrot	7 135	152 529
Cassava	197 342	1 370 572
Cottonseed	39 856	80 633
Maize	498 126	1 068 446
Onions	20 720	364 146
Other vegetables	16 330	159 504
Peas	32 543	74 104
Potatoes	122 755	1 764 505
Rice	463 656	2 556 299
Sorghum	57 269	163 269
Soybeans	23 546	62 619
Tobacco	15 688	26 604
Tomatoes	8 534	157 603
Wheat	21 047	31 793

TEMPORARY CROPS		
	Area harvested (ha)	Production (mt)
Bananas	34 613	1 375 315
Cacao	75 963	25 698
Coffee	762 192	610 630
Mangoes	4 413	35 043
Oil palm	143 899	547 571
Plantains	488 568	2 175 871
Sugarcane	178 569	2 241 559
Total number of scattered trees		Of which: of productive age
Avocados	1 392 096	1 197 977
Guajaba	4 825 713	4 664 202
Oranges	4 313 781	3 920 242
Papaya	600 254	498 978

LIVESTOCK		
	Holdings reporting	Number of head
Cattle		
Total	-	24 789 875
<1 year	-	4 940 886
1-2 years	-	5 479 535
>2 years	-	14 369 454
Male	-	9 263 885
<1 year	-	2 212 164
1-2 years	-	2 750 453
>2 years	-	4 301 268
Female	-	15 525 990
<1 year	-	2 728 722
1-2 years	-	2 729 082
>2 years	-	10 068 186
Pigs		
Total	-	1 935 287
< 6 month	-	1 218 957
6 month and >	-	716 333
Male	-	894 091
< 6 month	-	622 303
6 month and >	-	271 794
Female	-	1 041 196
< 6 month	-	596 654
6 month and >	-	444 539
Sheep		
Total	-	1 044 445
Male	-	327 022
Female	-	717 423
Goats		
Total	-	515 348
Male	-	167 495
Female	-	347 853
Rabbits		
Total	-	298 407
Male	-	115 752
Female	-	182 655
Guinea pigs		
Total	-	922 908
Male	-	218 037
Female	-	704 871
Horses		
Total	-	2 890 844
Male	-	1 602 927
Female	-	1 287 917
Mules		
Total	-	487 194
Male	-	241 476
Female	-	245 718
Asses		
Total	-	266 814
Male	-	160 992
Female	-	105 822
Chickens		33 553 506
Ducks		910 929

COMOROS - Agricultural Census 2004 - Explanatory Notes

Historical outline

The Census of Agriculture conducted in the Union of the Comoros in 2004 is the first ever undertaken in the country. Before this, only a survey was conducted, on the structure of the agricultural sector, in 1987.

Organization

The Comoros Government Bodies involved in the project were the Ministry of Rural Development, Fisheries, Craft and Environment (Ministère du développement rural, de la pêche, de l'artisanat et de l'environnement), and the Statistics Bureau of the General Planning Commission (Commissariat Général au Plan, Direction de la Statistique). The Food and Agriculture Organization of the United Nations (FAO of the UN) provided technical and financial assistance under the Technical Cooperation Programme (TCP) Project TCP/COI/2903 (A): "Appui au Recensement Général de l'Agriculture (RGA)".

Enumeration period

Information was not available at the time of publication.

Reference date/period

Information was not available at the time of publication.

Definition

The agricultural holding was as defined in the FAO Programme for the World Census of Agriculture 2000, viz., 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. It could be managed by civil persons, corporations, collectives, cooperatives or government agencies. It may consist of one or more parcels, if sharing the same production means.

Coverage

The census covered the whole territory of the Union of the Comoros, i.e. the three islands of Ngazidja, Ndzouany and Mwali.

Frame

The frame used for the Agricultural Census consisted of a list of all the localities/villages (localités) of the country, updated during the 2003 Census of Population and Dwellings (Recensement Général de la Population et de l'Habitat - RGPH 2003).

Method

Due to limits in financial and human resources, it was decided to undertake the census by sample. A stratified two-stage sampling design was applied as follows:

- **At the first stage:** the Localities/Villages, classified into three strata, were selected as Primary Sampling Units (PSUs) with probability proportional to size. The sample size consisted of 152 Localities/Villages, (about 50% of the total number of Localities/Villages in the country) selected in the three islands forming the territory of the Comoros as follows: 78 in Ngazidja, 66 in Ndzouani and 8 in Mwali.
- **At the second stage:** 12 agricultural holdings were selected as Secondary Sampling Units (SSUs), with equal probability, from each of the 152 PSUs, for a total of 1 824 agricultural holdings. The enumeration took place in two passages: in the first passage data were collected by enumerators through direct interview, on the demographic and socio-economic characteristics of the agricultural holdings. In the second passage 912 (i.e. a half of the selected SSUs) agricultural holdings were investigated with objective measurements of area of parcels and crop density and yields.

Data source

Union des Comores, Recensement Général de l'Agriculture 2004 (CD-ROM prepared by Statistician/SAFM, FAO Sub-Regional Office for Southern and Eastern Africa, containing the Preliminary Results of the 2004 General Agricultural Census of Comoros, May 2005).

Contact

Direction de la Statistique, BP 131, Moroni, the Comores. Tel.: (+269) 74 4234; E-mail: dir.statistique@snpt.km.

Website

<http://www.fao.org/es/ess>

COMOROS - Agricultural Census 2004 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Cultivated Area (ha)
Total	52 464	3 570

FRAGMENTATION		
		Number of parcels
Total number of parcels	-	95 695

LEGAL STATUS		
	Number of holdings	Area (ha)
Total number of holdings	52 464	-
Holdings operated by:		-
Civil persons	49 606	-
Cooperatives	737	-
Government	377	-
Others	1 503	-

HOLDERS BY SEX AND AGE		
	Number of holders	
Total	52 464	-
Male	35 369	-
Female	17 094	-
up to 20 years of age	852	-
21 to 39	7 049	-
40 to 60	7 462	-
61 and over	1 731	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	335 842	-
Male	165 693	-
Female	170 149	-

HOLDER'S HOUSEHOLD MEMBERS BY AGE		
	Number of persons	
Total	335 406	-
Up to 5 years of age	50 448	-
6 to 9	42 003	-
10 to 19	89 337	-
20 to 39	89 118	-
40 to 60	48 991	-
61 and over	15 509	-

EMPLOYMENT		
	Number of persons	
Holder's household members active in agriculture	78 995	-
Permanent paid workers	3 541	-

MAIN PERMANENT CROPS		
Bananas		
Holdings reporting	27 111	-
Area (ha)	1075	-
Production (mt)	43 065	-
Vanilla		
Holdings reporting	5 092	-
Area (ha)	168	-
Production (mt)	22 257	-
Cloves		
Holdings reporting	10 613	-
Area (ha)	170	-
Production (mt)	25 539	-
Mangoes - Production (mt)	24 144	-
Pineapples - Production (mt)	16 525	-
Oranges - Production (mt)	18 095	-
Avocados - Production (mt)	3 240	-
Papaya - Production (mt)	9 547	-
Coconut - Production (mt)	32 119	-
Breadfruit - Production (mt)	28 879	-

TEMPORARY CROPS		
Cassava (Manioc)		
Holdings reporting	27 714	-
Area (ha)	1 071	-
Production (mt)	42 804	-
Yams		
Holdings reporting	3 959	-
Area (ha)	72	-
Production (mt)	19 979	-
Cocoyams (Taro)		
Holdings reporting	5 579	-
Area (ha)	160	-
Production (mt)	19 283	-
Sweet Potatoes		
Holdings reporting	6 095	-
Area (ha)	44	-
Production (mt)	16 688	-
Maize		
Holdings reporting	6 128	-
Area (ha)	720	-
Production (mt)	9 258	-
Potatoes		
Holdings reporting	173	-
Area (ha)	23	-
Production (mt)	1 253	-
Carrots		
Holdings reporting	279	-
Area (ha)	-	-
Production (mt)	837	-
Chili		
Production (mt)	6 825	-
Rice		
Production (mt)	1 145	-
Onions		
Production (mt)	858	-
Ambèrique		
Production (mt)	1 792	-
Vohèm		
Production (mt)	1 787	-
Gingembe		
Production (mt)	3 161	-
Groundnuts		
Production (mt)	2 544	-
Couilliflowers		
Production (mt)	916	-
Lettuce		
Production (mt)	978	-
Cucumbers		
Production (mt)	810	-
Tomatoes		
Production (mt)	5 961	-

LIVESTOCK		Head/Units
Cattle, total		24 513
Male		17 810
Female		6 702
Sheep, total		4 347
Male		2 952
Female		1 395
Goats, total		23 418
Male		16 357
Female		7 061
Asses		246
Chickens		16 533
Ducks		518
Rabbits		469
Bee-hives		90

COOK ISLANDS - Agricultural Census 2000 - Explanatory Notes

Historical outline

The 2000 Census of Agriculture and Fisheries (CAF) is the second conducted nationwide in the Cook Islands. The first one was conducted in 1988. There was a previous attempt to conduct an agricultural census in 1975, but the coverage was limited to the island of Rarotonga.

Organization

The 2000 CAF was jointly undertaken by the Ministry of Agriculture (MOA) and the Statistics Office. A National Agricultural Census Committee was formed, including the Ministry of Agriculture, the Statistics Office, the Ministry of Land Administration, the Ministry of Marine Resources and the FAO Sub-Regional Office (SAPA). A National Project Coordinator was appointed from the MOA to coordinate the activities of the census project. A Census Planning Unit (CPU) was also established, responsible for the preparatory phase, the enumeration, data processing, tabulation, analysis and publication of the census. Financial and technical support was provided by the FAO of the UN. About 110 enumerators were assigned to one or more EAs, and provided with maps and household lists. The supervision was exercised by 30 supervisors.

Enumeration period

The enumeration period lasted one month, from 13 November to 13 December 2001.

Reference date/period

Data on household composition and livestock refer to the day of enumeration. Data on labour inputs refer to the month prior to enumeration. Data on agricultural activity, farm details, crops, agricultural income, equipment, livestock disposal and fishing activities, refer to the 12 months prior to enumeration.

Definition

A household is defined as: Agriculturally Active if it manages at least 0.05 ha of land under garden crops or at least 10 coconuts or other crop trees. An Agriculturally Active household could be either: Subsistence Only, Subsistence with Cash Cropping, Commercial Producer. Minor Agricultural if it manages less than 0.05 ha of land under garden crops or less than 10 coconuts or other crop trees. Non-Agricultural if it is not engaged in crop production.

Coverage

The 2000 CAF covered all households and holdings in the Cook Islands but excluded institutions and agricultural lands operated by the community or government.

Frame

The frame used in the 2000 CAF was the listing of households by enumeration area (EA) compiled during the 1996 Census of Population and Dwellings (CPD) and the 1988 Household Income and Expenditures Survey (HIES). During the enumeration these lists were updated. For census purposes, each island was divided into Census Districts (CDs) in turn subdivided into EAs.

Method

The CPU did a simple pre-test of questionnaires two weeks before the start of the census training. Aside from the regular census questionnaires, the enumerators completed also the Census Household Listing and the Field Sheet for each EA. This was done to update the Listing of Households, to enter the level of agricultural activity of the household (see "definitions") and to record the number of questionnaires used.

Data source

Census of Agriculture and Fisheries 2000, September 2001. Ministry of Agriculture and Statistics Office, Rarotonga Cook Islands.

Contact

- Ministry of Agriculture, PO Box 96, Rarotonga, Cook Islands. Tel.: (+682) 287 11. Fax: (+682) 218 81; Email: cimoa@oyster.net.ck.
- Statistics Office, PO Box 41, Rarotonga, Cook Islands. Tel.: (+682) 295 11; Fax: (+682) 215 11; E-mail: info@stats.gov.ck.

Website

<http://www.stats.gov.ck>

COOK ISLANDS - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	1 721	1 029

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	1 721	1 029
< 0.1 ha	53	3
0.1 - 0.2 ha	344	35
0.2 - 0.4 ha	491	115
0.4 - 0.8 ha	393	196
0.8 - 1.2 ha	204	179
1.2 - 2 ha	154	219
2 - 4 ha	65	163
4 ha >	17	120

FRAGMENTATION		
	Number of parcels	
Total	3 467	-

TENURE OF LAND		
		Area (ha)
Total	-	1 029
Owned	-	821
Rented	-	194
Under other forms of tenure	-	15

HOLDERS BY AGE		
	Number of holders	
Total	1 700	-
15-19 years of age	18	-
20-39	399	-
40-59	574	-
60>	333	-
not specified	376	-

HIRED WORKERS		
	Number of workers	
Total	46	-
Male	42	-
Female	4	-

LAND USE		
	Number of holdings	Area (ha)
All land	-	1 029
Cropland	-	989
All other land	-	40

TEMPORARY CROPS		
	Area harvested (ha)	Number of trees/plants
Beans	1	112 326
Capsicum	1	31 188
Cassava	43	2 835 856
Chili	-	3 216
European cabbages	4	103 055
Kumara	11	672 979
Lettuce	2	414 524
Melons	10	49 654
Puraka	-	37 987
Taro	71	3 863 216
Tarua	12	1 073 389
Tomatoes	5	214 345

PERMANENT CROPS		
	Area harvested (ha)	Number of trees/plants
Avocados	1	924
Bananas	22	166 536
Breadfruit	3	2 223
Chestnuts	-	758
Coconut	50	43 023
Coffee	13	13 561
Lemons	2	2 757
Mangoes	7	6 554
Nono	26	28 337
Oranges	15	9 609
Pawpaw	16	63 515
Pineapples	4	367 799

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	82	301
Pigs	1 814	15 876
Goats	609	3 595
Horses	29	71
Rabbits	405	1 272
Chickens	590	24 277

COTE D'IVOIRE - Agricultural Census 2001 - Explanatory Notes

Historical outline

The 2001 Census of Agriculture is the second ever conducted in the country. The previous National Agricultural Census was carried out in 1974.

Organization

The sample survey has been organized by the Ministry of Agriculture, Direction of Statistics, Documentation and Information Technology (Ministère de l'Agriculture, Direction des Statistiques, de la Documentation et de l'Informatique). Technical and financial assistance were provided by FAO, the World Bank, the European Union and the Government of the Côte d'Ivoire.

Enumeration period

The 2001 National Agricultural Census (RNA) was conducted during the period 14 January to 16 August 2002.

Definition

- **Agricultural holding:** is a household including at least one agricultural holder. Agricultural holdings are grouped as follows:
 1. *Large holdings of the Modern Sector:* satisfying criteria typical of a modern agriculture.
 2. *Large holdings of the Traditional Sector:* having minimum specified area under a specific crop
 3. *Small holdings of the Traditional Sector:* all those not matching the criteria 1) and 2).
Different methods of enumeration were applied to groups (1) and (2) & (3).
- **Localité:** Could be a town or a village or a settlement.
- **Census District (District de Recensement - DR):** is a "Localité" or part of it, retained in order to include about 1000 inhabitants. DRs were identified during the 1998 Population and Housing Census (RGPH 98) in number of 16023. Those DR including at least one agricultural holding were adopted for the RNA 2001 and called Agricultural Census Districts (District de Recensement Agricole - DRA)
- **Field:** a piece of land in a parcel (block), separated from the rest of the parcel by easily recognizable demarcation lines, like a natural obstacle (hedges, ravines etc), a path or cadastral boundaries. The field can correspond also to the entire parcel (*block*).
- **Parcel:** a field or a portion of the field carrying one culture or an association of cultures (*parcel plot*).
- **Agricultural manager:** the man or woman who, in the household, makes the important decisions concerning the management of the agricultural holding (exploitation agricole). The manager can be or not the head of the household.

Coverage

The census covered all the 19 Administrative Regions of the country, subdivided in turn into 58 Departments (then used as the 58 strata for stratification). Rural and Urban areas were both covered.

Frame

During the 1998 Population and Housing Census (RGPH 98), through appropriate questions inserted in the RGPH Form, households reporting such characteristics to be classified as agricultural were identified and listed. The list was subsequently refreshed during the phase of definition of the Agricultural Census Districts.

Method

Large Farms of the Modern Sector and the Traditional Sector were fully enumerated, while sampling method was applied to the Small Holdings of the Traditional Sector. The sample design applied for the census of traditional farms was a two-stage sample survey, with systematic selection with probabilities proportional to the number of households at first stage and with simple systematic selection at the second stage. Primary sampling unit was Agricultural Census District (DRA) and second stage unit was the household having at least one agricultural holder.

Data source

Recensement National de l'Agriculture (R.N.A.), Ministère d'Etat, Ministère de l'Agriculture, Direction des Statistiques, de la Documentation et de l'Informatique. République de la Côte d'Ivoire.

Contact

Institut National de la Statistique, BP V 82 Abidjan, République de Cote d'Ivoire. Tel: (+225) 20 215 863, (+225) 20 212 285; Fax: (+225) 20 210 443; E-mail: rnaci@aviso.ci.

Website

<http://www.ins.ci>

COTE D'IVOIRE - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Cultivated land (ha)
Total	1117667	4 351 663

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Cultivated land (ha)
Total	1 117 667	4 351 663
under 0.5 ha	311 608	84 162
0.5 and under 1 ha	158 825	118 321
1 and under 3 ha	249 072	444 702
3 and under 5 ha	125 835	463 745
5 and under 10 ha	148 516	967 115
10 and under 20 ha	91 416	1 178 444
20 ha and over	32 395	1 095 174

TENURE OF LAND (SMALL AND LARGE FARMS OF THE TRADITIONAL SECTOR)		
		Cultivated land (ha)
Total	-	4 162 157
Owned	-	3 877 030
Other forms of tenure	-	285 127

HOLDERS BY SEX		
	Number of holders	
Total	1 117 667	-
Male	1 004 355	-
Female	113 312	-

FARM POPULATION BY SEX		
	Number of holders	
Total	8 238 930	-
Male	4 185 134	-
Female	4 053 796	-

TEMPORARY CROPS		
	Area under crop (ha)	Production (mt)
Cassava (manioc)	269 429	2 086 903
Cotton	296 126	287 118
Cucumber	2 518	-
Eggplant	23 491	-
Fonio	21 699	-
Gourds	13 048	-
Green peas	5 350	-
Groundnuts	77 257	-
Maize	278 680	-
Millet	60 379	-
Okra (gombo)	53 270	-
Potatoes	24 664	-
Rice	340 756	-
Sorghum	58 894	-
Soybeans	649	-
Sugarcane	24 405	-
Taro root	44 859	-
Tobacco	1 889	-
Tomatoes	3 053	-
Yams	515 618	4 579 723

PERMANENT CROPS		
	Area under crop (ha)	Production (mt)
Bananas poyo	21 594	-
Cashew nuts	264 795	88 593
Citrus fruits	38 949	-
Cocoa	1 924 056	1 335 970
Coconut	53 460	-
Coffee	1 039 588	251 620
Ginger	3 242	-
Guavas	9 576	-
Mangoes	58 317	-
Oil palm	213 604	-
Papaya	4 084	-
Passion fruit	31 419	-
Pineapples	29 774	-
Plantains	433 177	-
Rubber	118 550	-

LIVESTOCK		
		Number of head
Cattle		1 135 196
Sheep		901 135
Goats		884 603
Pigs		476 708
Poultry		17 125 712
of which:		
Laying hens		1 648 954

MACHINERY AND EQUIPMENT		
	Number of units	
Dusters	148 768	-
Electric generators	6 302	-
Grain mills	10 443	-
Motor-pumps	2 360	-
Ploughs	64 922	-
Power-tillers	4 360	-
Rice harvesters	2 282	-
Seed drills	26 259	-
Sprayers	81 864	-
Tractors	8 981	-

CROATIA - Agricultural Census 2003 - Explanatory Notes

Historical outline

The first Agriculture Census in the Republic of Croatia since independence was conducted in 2003. Previously, a comprehensive and independent full census of agriculture was undertaken in 1960, while in 1969 the census of agriculture was conducted by using the sample method. In 1971, 1981, 1991 and 2001, enumeration of agricultural holdings was included in the Population Censuses.

Organization

The Croatian Bureau of Statistics (CBS), whose activity is based on the Act on National Statistics, is in charge for developing the Statistical Survey Programme. The CBS brings forward the National Statistical Surveys defining their coverage, space and time schedule, data processing methodologies, reporting units and their duties.

Enumeration period

The 2003 Agricultural Census was carried out during 1 – 15 June 2003.

Reference date/period

For Land utilization and Livestock numbers, the reference date is 1 June 2003, while for characteristics of holders, holder's household members, labour force and use of machinery data refer to the agricultural year 1 June 2002 to 31 May 2003.

Definition

- **Agricultural holding** was defined as an independent unit under single management, using the common means of production for crop production and for rearing cattle, keeping poultry, bees and other animals. Census Units were: Households engaged in agricultural production, and Business Entities and part of Business Entities engaged in agricultural production.
- **Households with agricultural production** was defined as any family or other community of persons living together and spending their income together for meeting the basic life needs; or any person living alone (single-person household), engaged in agricultural production, or having an agricultural holding under single management, and using jointly the production means (land, machinery and other facilities), and the work of members of the households, regardless of whether its production is for home consumption only or also for sale.
- **Business Entities** engaged in agricultural production comprised the legal and physical persons registered to perform agricultural activities, or registered in another activity but engaged in agricultural production.

Coverage

The census covered the whole territory of the Republic of Croatia.

Frame

The frame (list of agricultural holdings) was prepared and defined during the Population Censuses conducted in 1971, 1981, 1991, and 2001, which included identification and enumeration of agricultural holdings.

Method

Data on Households with Agricultural Production were collected by using the direct interview method; Census Forms were filled out by the Enumerators. Data collected from Business Entities, and part of Business Entities engaged in agricultural production, were collected by using the reporting (postal) method. The Census Questionnaire and the Survey Methodology are fully consistent with the requirements of the European Union, and data are comparable with data of all Member States and EU Candidates of the European Union.

Data source

Agricultural Census 2003. Central Bureau of Statistics (CBS), Republic of Croatia.

Contact

Central Bureau of Statistics (CBS), Ilica 3, 10000 Zagreb, Republic of Croatia. Tel.: (+385) 1 481 4791; Fax: (+385) 1 480 6199; E-mail: webmaster@dzs.hr, stat.info@dzs.hr.

Website

<http://www.dzs.hr/default.htm>

CROATIA - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	449 896	1 391 622
Agricultural Households	448 532	1 162 612
Business Entities	1 364	229 010

NUMBER AND AREA OF AGRICULTURAL HOUSEHOLDS BY SIZE		
	Number of holdings	Area (ha)
Total	448 532	1 162 612
Up to 0.1 ha	40 361	2 471
0.11 - 0.5 ha	121 734	32 035
0.51 - 1 ha	65 339	47 382
1.01 - 2 ha	71 933	103 382
2.01 - 3 ha	40 129	98 580
3.01 - 5 ha	45 732	177 712
5.01 - 10 ha	42 426	293 247
10.01 - 20 ha	15 628	208 337
20.01 and over	5 250	199 466

NUMBER AND AREA OF BUSINESS ENTITIES BY SIZE		
	Number of holdings	Area (ha)
Total	1 364	229 010
Up to 1 ha	327	94
2 ha	51	102
3 ha	45	135
4 - 5 ha	79	353
6 - 10 ha	127	1 006
11 - 20 ha	137	2 064
21 - 30 ha	90	2 208
31 - 50 ha	132	5 186
51 - 100 ha	145	10 008
Over 100 ha	231	207 854

FRAGMENTATION		
	Agricultural Households	Business Entities
Number of parcels	1 918 358	17 712

TENURE OF AGRICULTURAL LAND (Area ha)		
	Agricultural Households	Business Entities
Agricultural land, total	860 195	217 208
Area (ha) owned	720 074	29 053
Area (ha) rented	140 121	188 155

MEMBERS OF HOLDER'S HOUSEHOLD		
	Agricultural Households	Business Entities
Household members		
Holdings reporting	448 532	-
Number of persons	1 493 892	-

LAND USE		
	Agricultural Households	Business Entities
Total land		
Area (ha)	1 162 612	229 010
Agricultural land		
Number of holdings	437 247	1 079
Area (ha)	860 195	217 208
Cropland		
Area (ha)	659 105	207 654
Arable land		
Number of holdings	295 179	929
Area (ha)	607 619	199 910
Permanent crops		
Area (ha)	51 486	7 744
Perm. Meadows & Pastures		
Area (ha)	201 090	9 554
All other land		
of which:	302 417	11 802
Wood or forest land		
Number of holdings	173 920	225
Area (ha)	155 059	874
Unused agricultural land		
Number of holdings	105 094	123
Area (ha)	95 932	6 491

MAIN TEMPORARY CROPS			
		Agricultural Households	Business Entities
Cereals:	Holdings reporting	244 439	794
	Area (ha)	455 854	119 062
Potatoes:	Holdings reporting	95 498	70
	Area (ha)	10 975	793
Leguminous plants for grain	Holdings reporting	19 833	53
	Area (ha)	2 101	962
Oil seeds crops	Holdings reporting	12 086	393
	Area (ha)	42 003	47 345
Tobacco:	Holdings reporting	2 077	28
	Area (ha)	5 232	1 057
Forage crops	Holdings reporting	59 179	247
	Area (ha)	43 689	11 182

MAIN PERMANENT CROPS			
		Agricultural Households	Business Entities
Plums	Holdings reporting	277 373	36
	Area (ha)	721	33
	Number of trees	404 703	17 305
Apples	Holdings reporting	287 107	81
	Area (ha)	1 640	1 339
	Number of trees	2 177 570	1 872 649
Pears	Holdings reporting	220 948	25
	Area (ha)	246	73
	Number of trees	232 884	96 288
Sour cherries	Holdings reporting	145 620	10
	Area (ha)	210	202
	Number of trees	136 093	115 838
Peaches / Nectarines	Holdings reporting	110 842	25
	Area (ha)	110 842	52
	Number of trees	356 482	36 031
Apricots:	Holdings reporting	71 614	5
	Area (ha)	40	10
	Number of trees	19 790	4 129
Citrus fruits	Holdings reporting	15 344	5
	Area (ha)	1 100	10
	Number of trees	1 017 300	10 200
Walnuts	Holdings reporting	233 564	7
	Area (ha)	354	4
	Number of trees	87 672	357
Hazelnuts	Holdings reporting	42 616	6
	Area (ha)	150	292
	Number of trees	99 081	158 178
Olives	Holdings reporting	40 105	38
	Area (ha)	1 724	411
	Number of trees	2 020 699	114 579
Grapes	Area (ha)	10 169	4 925
	Number of trees	102 505 000	19 016 000

LIVESTOCK			
		Agricultural Households	Business Entities
Cattle:	Holdings reporting	85 930	339
	Number of head	398 037	90 609
Pigs:	Holdings reporting	214 814	426
	Number of head	1 726 895	197 777
Sheep:	Holdings reporting	29 320	76
	Number of head	75 087	17 305
Goats:	Holdings reporting	31 039	33
	Number of head	203 340	639
Horses:	Holdings reporting	3 988	40
	Number of head	11 114	473
Rabbits:	Holdings reporting	43 475	45
	Number of head	459 767	3 291
Poultry:	Holdings reporting	346 530	498
	Number of head	10 477 514	5 511 851

CYPRUS - Agricultural Census 2003 - Explanatory Notes

Historical outline

The 2003 Census of Agriculture was the fifth conducted in the Republic of Cyprus after its independence. The previous ones were undertaken in 1960, 1977, 1985 and 1994.

Organization

The Census was organized by the Statistical Service (Agricultural Statistics Unit of the Ministry of Finance (MoF), in collaboration with the Ministry of Agriculture and other Government Departments, Farmers Associations, Community Authorities, etc.. Data collection was performed by the District Offices of the Statistical Service. The staff for field work comprised 216 enumerators, 35 regional supervisors and 19 data processors.

Enumeration period

The census was conducted during the period from 6 October 2003 to the end of March 2004.

Reference date/period

For crop production, employment, etc.: 1 October 2002 to 30 September 2003

For livestock numbers: 1 October 2003.

Definition

The unit of enumeration was the agricultural, livestock, or agricultural-livestock holding, defined as a techno-economic unit, under single management, producing agricultural-livestock products.

Minimum size of holding

For census purposes, a unit was considered and enumerated as agricultural holding only if it met at least one of the following conditions:

- An agricultural area equal or greater than one decare (*i.e. 0.1 ha or 1000 square meters*) of agricultural land,
- Half a decare in greenhouses,
- One cow or two other large animals (cattle, horses, donkeys),
- Five small animals (sheep, goats, pigs),
- Fifty head of poultry,
- Twenty bee-hives.

Coverage

The census covered all holders of agricultural land and/or livestock in the Government controlled part of Cyprus. The census included nurseries and greenhouses.

Frame

The basic lists of holders residing in the villages was prepared with the help of local authorities, while the lists of holders residing in urban and suburban areas was obtained from the Census of Population (2001) and from other sources.

Method

The census was carried out on a complete enumeration basis. Data were collected through personal interviews with holders. The enumeration in rural areas was done on a door-to-door basis, while in urban areas coverage was based on information obtained from various registers prepared by the Ministry of Agriculture and other administrative sources like the previous Agricultural Census (1994).

Data source

Census of Agriculture 2003, Series 1, Report n.7, July 2006. Statistical Service, Agricultural Statistics, Republic of Cyprus.

Contact

Statistical Service of the Republic of Cyprus, M. Karaolis Str 1444 Nicosia, Republic of Cyprus. Tel.: (+357) 226 021 29; Fax: (+357) 226 613 13; E-mail: enquiries@cystat.mof.gov.cy

Website

<http://www.pio.gov.cy/mof/cystat>

CYPRUS - Agricultural Census 2003 - Main Results

TOTAL NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	45 199	197 128

NUMBER AND UTILIZED AGRICULTURAL AREA OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Area (ha)
Total	45 199	156 380
Holdings without land	588	-
Holdings with land	44 611	156 380
Under 0.5 ha	15 561	3 855
0.5 and under 1 ha	8 631	6 099
1 and under 2 ha	7 544	10 629
2 and under 3 ha	3 741	9 072
3 and under 5 ha	3 499	13 476
5 and under 8 ha	2 156	13 489
8 and under 10 ha	696	6 173
10 and under 15 ha	1 011	12 355
15 and under 20 ha	511	8 842
20 and under 25 ha	260	5 755
25 and under 30 ha	213	5 808
30 and under 40 ha	231	7 888
40 and under 50 ha	141	6 272
50 and under 100 ha	256	17 951
100 ha and over	160	28 717

FRAGMENTATION		
	Number of holdings	
Holdings reporting parcels, total	44 611	-
Holdings with:		
1 parcel	15 523	-
2 to 3 parcels	14 045	-
4 to 5 parcels	6 167	-
6 to 9 parcels	4 824	-
10 to 19 parcels	2 629	-
20 to 49 parcels	959	-
50 parcels and over	464	-
Total number of parcels	-	221 916
Average number of parcels per holding	-	5
Average area (SAU) (ha) per parcel	-	0,7

HOLDERS BY SEX		
		Number of persons
Total number (civil persons)		44 752
Male		33 323
Female		11 429

HOLDERS BY AGE		
		Number of persons
Total number (civil persons)		44 752
Under 25 years of age		179
25 - 34		2 238
35 - 44		8 324
45 - 54		12 329
55 - 64		11 434
65 years of age and over		10 248

LEGAL STATUS		
	Number of holdings	Area (ha)
Total holdings	45 199	156 380
Civil persons	44 752	145 343
Legal persons, total	447	11 037
Corporation	381	8 719
Government	45	1 866
Other legal persons	21	452

TENURE OF UTILIZED AGRICULTURAL AREA (SAU) OF HOLDINGS		
	Number of holdings	Area (ha)
Total	-	156 380
Area Owned	40 995	70 401
Area Rented	8 506	80 885
Other forms of tenure	2 637	5 094

LAND USE		
	Number of holdings	Area (ha)
Total land	45 199	197 128
Utilized agricultural land (SAU)	44 611	156 380
Land under temporary crops	-	109 813
Land under permanent crops	-	40 785
Permanent meadows/pastures	-	387
Fallow land	-	5 395
Unutilized agricultural land	-	36 112
Wood or forest land	-	2 482
All other land	-	2 154

IRRIGATION		
	Holdings reporting	Area irrigated (ha)
Holdings with irrigated area	33 064	35 928

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

MAIN TEMPORARY CROPS		
	Holdings reporting	Area under crops (ha)
Cereals for grain, total	7 593	73 844
Wheat, soft/durum	1 384	7 223
Barley	6 699	65 007
Other cereals	233	1 614
Dried pulses, total	643	724
Potatoes	3 758	5 511
Industrial crops	263	486
Vegetables, Melons, Strawberries	5 118	4 954

MAIN PERMANENT CROPS		
	Holdings reporting	Number of trees
Olives	33 181	2 574 168
Peaches/ Nectarines	-	245 228
Plums	-	87 309
Figs	-	97 611
Apples	-	376 396
Bananas	-	258 658
Walnuts	5 767	71 086
Pistachios	1 013	35 764
Almonds	12 106	1 200 466
Oranges	6 847	525 086
Lemons	5 304	222 777
Mandarines	5 028	233 094
Mantores	1 862	372 799

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	320	61 053
Sheep	1 782	262 243
Goats	6 179	360 206
Pigs	883	433 040
Asses	696	1 417
Rabbits	4 731	154 239
Chickens	9 450	4 477 103
Turkeys	982	62 711

MACHINERY		
	Number of holdings	Number of units
Tractors	9 774	11 717
Combines (harvester-threshers)	441	489
Cultivators, hoeing machines	10 748	12 241
Motor mowers, hay machines	463	505

CZECH REPUBLIC - Agricultural Census 2000 - Explanatory Notes

Historical outline

The Czech Republic participated in the World Census of Agriculture (WCA) in 1970, 1980 and 1990 as part of the federal state formed by the Czech and the Slovak Republics. Data presented here refer to the agricultural census conducted in the Czech Republic in 2000.

Organization

The census was organized and conducted by the Czech Statistical Office (CSO), an independent state organization and, in a subsidiary role, in collaboration with the Chamber of Agricultural Unions, the Ministry of Agriculture of the Czech Republic and the Research Institute for Agricultural Economics. About 6 800 enumerators, directed by 92 supervisors, carried out the field work.

Enumeration period

The census day was 30 September 2000. Bulk of enumeration took place during the period October to December 2000.

Reference date/period

Data mainly refer to the day of enumeration or to the calendar year. For the item "working hours of labour" the reference period was October 1999 to September 2000.

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 in spite of legal form or size. Holding's land may consist of one or more parcels located in one or more separate areas.
- **Minimum size of holding:** Holdings were enumerated if they crossed the following thresholds: Basic: one hectare or more of farming agricultural land, Additional: 0.15 ha of vineyards, horticulture plantations (intensive crops); 0.05 ha of greenhouses or hot-beds; 1 head of cattle or 2 pigs or 4 sheep or goats or 50 poultry or 100 fur-bearing animals; Aquaculture installations. Parts of holdings located in different administrative areas were surveyed independently as single units.

Coverage

All holdings in the 14 Administrative Regions and 76 Districts of the Czech Republic, matching with the threshold criteria, were covered by the census.

Frame

The census frame was prepared using the following sources:

- The farm register;
- The business register;
- The cadastral Office register;
- The register of applicants for agricultural subsidies;
- The lists of inhabitants kept in the municipal offices;
- Terrain location.

Method

The census was conducted by complete enumeration. Each enumerator covered an enumeration area of about 240 hectares. Data for small holdings were collected through personal interview, while a few thousands of major holdings were surveyed by mail. Objective measurements of areas were used: data on areas collected were checked in comparison with data in real estate register.

Data source

Agrocensus 2000, 1st Part: Czech Republic Basic Characteristics; 2nd Part: Characteristics by Territorial Division; 3rd Part: Analytical Evaluation. Czech Statistical Office.

Contact

Czech Statistical Office, Department of Agriculture, Sokolovska 142, 100 81 Prague 10, Czech Republic. Tel.: (+42) 2 740 522 91; Fax: (+42) 2 663 100 11; E-mail: prodejna@czso.cz; hrbek@gw.czso.cz.

Website

<http://www.czso.cz>

CZECH REPUBLIC - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	56 487	5 607 935

NUMBER AND AGRICULTURAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Agricultural area (ha)
Total	56 487	3 643 168
<1 ha of agricultural area	16 328	5 137
1 - 2 ha	8 697	11 924
2 - 5 ha	9 722	29 879
5 - 10 ha	6 225	43 318
10 - 20 ha	5 345	74 474
20 - 50 ha	4 379	134 779
50 - 100 ha	1 844	128 596
100 - 200 ha	1 105	154 665
200 - 500 ha	902	289 745
500 - 1 000 ha	752	555 147
1 000 ha >	1 148	2 215 544

LEGAL STATUS		
Holdings operated by:	Number of holdings	Area (ha)
Total	56 487	3 643 168
Civil persons	53 460	962 325
Corporation	2 107	1 579 009
Cooperative	746	1 059 453
Government	87	31 542
Other	87	10 839

HOLDINGS BY TENURE		
	Number of holdings	
Total	56 487	-
Under one form of tenure	40 316	-
Owned	31 870	-
Rented	8 446	-
More than one form of t.	16 171	-

LAND USE		
	Number of holdings	Area (ha)
All land	-	5 607 935
Agricultural land	-	3 643 168
Wood / forest land	-	1 767 677
All other land	-	197 090

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	25 516	924 686
Barley	-	448 891
Maize	1 599	44 602
Potatoes	-	40 502
Sugarbeets	1 241	59 936
Soybeans	82	1 949
Rapeseed (colza)	4 748	328 638

PERMANENT CROPS		
	Holdings reporting	Number of trees
Apples	25 613	9 004 318
Pears	18 674	263 193
Peaches	4 119	617 754
Grapes	17 589	1 428 218
Cherries	18 106	1 135 526
Apricots	5 636	555 773

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	26 395	1 565 418
Sheep	5 277	76 194
Goats	5 522	14 306
Pigs	25 080	3 461 611
Horses	5 705	22 991
Asses	84	651
Chickens	28 000	29 043 476
Ducks	5 529	513 958
Geese	1 663	120 992
Turkeys	2 207	878 841

DENMARK - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Denmark has been participating in WCA since 1930. Until 1983 the Agriculture and Horticulture Survey was carried out once a year as complete census. From 1984 to 1989 a complete enumeration surveys were carried out in even numbered years and sample surveys were carried out in intervening years. From 1990 to 1998 the annual survey was conducted on sample basis only. In 1996 it was decided to delete crop related questions from the survey and it was decided to collect such data from the registers of Integrated Administration and Control System (IACS) which contains information relating to area under major crops for all the farms which applied for crop subsidies.

Organization

The census is organized by Agriculture Division of Statistics Denmark which is an independent institution under the supervision of a board consisting of experts drawn from different sectors of the economy. There is no separate act governing the census but under the Act on Statistics Denmark all firms are obliged to answer questionnaires from the statistical office.

Enumeration period

Usually, the census day is the 2nd of June.

Reference date/period

Data refer to the census day or to the 12 month period preceding the survey.

Definition

Agricultural holdings (farms) are defined as holdings comprising an area of land, associated buildings, machinery and livestock which the owner regards as belonging to the same holding. A holding can comprise land, buildings, etc. which belong to one or more independent owners or to one or more natural or legal persons constituting the owner. Leased land is attributed to the holding that utilizes it.

Coverage

The 1999/2000 census covered all farms which have at least 5 ha of agricultural area or attain a specified economic size (Standard Gross Margin at 4 000 euro at 1 990 prices). The holdings falling below the thresholds are about 8 percent of total holdings and roughly contribute to less than 0.5 percent of the agricultural production.

Frame

Statistics Denmark maintains a special register of farms for collection of data on agriculture sector prepared with information from the Danish administrative register used for the land tax system. The typology of farms listed in the register of farms helps identify holdings according to their land ownership status. Before the survey the register on farms is updated on the basis of information available from general business register, crop subsidy system and livestock subsidy system.

Method

For obtaining data on major crops the information available in Integrated Administration and Control System (IACS) registers is tabulated. The statistics on horticultural crops, potatoes, seeds for sowing, permanent grassland and grasses in rotation which are not clearly differentiated in the IACS, are collected through statistical questionnaire. A questionnaire on crops, livestock, labour force etc. is mailed to every owner of agricultural property with a request to provide data on all the properties which are run as one farm unit. Owners are also asked particulars of the tenant to whom they have leased all or part of their property. Questionnaires are then sent to tenant unless he could be identified as owner of another property, in which case he will include information on tenanted area in his questionnaire.

Data source

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

Contact

Danmarks Statistik, Sejrogade 11, 2100 Kobenhavn. Tel.: (+45) 39 173 917; Fax: (+45) 39 173 999;
E-mail: dst@dst.dk.

Website

<http://www.statistikbanken.dk>

DENMARK - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Agricultural Area (ha)
Total	57 830	2 878 730

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Agricultural Area (ha)
Total	57 830	2 878 730
Holdings without agric.land	240	370
0- 2 ha of agric.area	740	2 770
2- 5 ha	1 020	5 350
5- 10 ha	9 460	79 990
10- 20 ha	11 530	185 360
20- 30 ha	7 560	200 350
30-50 ha	9 610	399 130
50-100 ha	11 510	853 950
over 100 ha	6 160	1 151 460

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil persons	57 310	-
Other	520	-

TENURE OF AGRICULTURAL LAND		
		Agricultural Area (ha)
Total		2 664 580
Owned		1 978 980
Rented		665 600

HOLDERS (INDIVIDUALS) BY SEX		
	Numbers of holders	
Total	57 310	
Male	52 350	
Female	4 960	

HOLDERS (INDIVIDUALS) BY AGE		
	Numbers of holders	
Total	57 310	
<35 years of age	5 440	
35 to 44	13 510	
45 to 54	14 060	
55 to 64	12 990	
65>	11 310	

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	84 270	
Of which, full time :	29 870	

HIRED PERMANENT WORKERS		
	Number of workers	
Total	18 780	
Of which, full time	15 580	

LAND USE		
	Number of holdings	Area (ha)
All land	57 830	2 878 730
Agricultural land	-	2 644 580
Cropland	-	2 483 560
Arable land	55350	2 473 930
Permanent crops	1260	9 630
Permanent mead./pasture	21480	161 020
Wood/forest land	14 000	131 710
All other land	-	102 440

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Soft wheat	32 550	619 380
Rye	6 010	49 180
Barley	45 740	701 190
Oats	5 250	25 780
Dry pulses	8 410	65 760
Potatoes	3 290	37 950
Sugarbeets	6 410	62 900
Industrial plants	14 470	150 520
Rapeseed and Turnip	14 470	150 510
Vegetables (grown in the open)	1 560	11 320

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	24 190	1 887 060
Of which: dairy cows	11 160	640 190
Sheep	3 590	142 880
Pigs	15 480	11 626 040
Chickens, total	-	19 930 000
Broilers	460	14 920 000
Laying hens	6 370	5 010 000

MACHINERY		
	Holdings reporting	Units
Tractors belonging to the holding (owned)	54 310	129 500

ECUADOR - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

The first census of agriculture in Ecuador was conducted in 1954 on sampling basis. In 1968 a national agricultural sample survey was carried out; then in 1974 a complete enumeration census was undertaken: The latest agricultural census, to which data reported here refer, was conducted in 1999/2000.

Organization

The census was conducted by the National Institute of Statistics and Censuses (Instituto Nacional de Estadística y Censos, INEC) in collaboration with the Ministry of Agriculture and Livestock (Ministerio de Agricultura y Ganadería, MAG). Technical and Financial support was provided by the Information and Agricultural Census Service Project (SICA) funded by the World Bank. International technical assistance was provided by the National Agricultural Statistics Service (NASS) of the Department of Agriculture of the United States (USDA). About 2 575 persons were involved in activities relating to planning and field work, of which about 250 were from INEC and MAG; the others were hired from outside after a selection process.

Enumeration period

Data were collected during the period 1 October 1999 to 30 September 2000.

Reference date/period

Is the day of enumeration for general characteristics of holdings, land use, tenure, irrigation machinery, livestock number, farm population and employment. For temporary and permanent crops production, livestock production and technical assistance, is the census year.

Definition

Agricultural production unit (Unidad de Producción Agropecuaria viz. UPA) was defined as a piece of land of at least 500 square meters, totally or partially used for agriculture, considered as an economic unit under single management, regardless to title or legal form. Those less than 500 square meters were considered UPAs only if they produced one or more products for sale during the census year.

Coverage

The census covered the entire country.

Frame

The census was based on a multiple purpose frame. An exhaustive, ordinate register of enumeration units, called Marco Muestral de Lista (MML) was prepared for large and specialized holdings. For remaining UPAs, the area to be covered was divided into first stage units called: UPM (Unidades Primarias de Muestreo) and each UPM into second stage units called SMs (segmentos de muestreo).

Method

For large and specialized UPAs, complete enumeration was carried out. For remaining UPAs, an area sampling method was applied and 12 277 SMs were selected and totally covered. Aerial photos and satellite images were used.

Data source

III Censo Nacional Agropecuario, Resultados Nacionales, Vol. I. Instituto Nacional de Estadística y Censos (INEC), Ecuador.

Contact

Ministerio de Agricultura y Ganadería, Proyecto Sistema de Información y Censo Agropecuario – Av. Amazonas y Eloy Alfaro, Quito, Ecuador. Tel.: (+593) 2 256 6757, (+593 2) 256 9172; Fax: (+593) 2 256 4972; E-Mail: damianj@sica.gov.ec, rtipan@sica.gov.ec.

Website

<http://www.sica.gov.ec/ingles/index.html>

ECUADOR - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	842 882	12 355 831

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area of holdings (ha)
Total	842 882	12 355 831
<1 ha	248 398	95 834
1-2 ha	117 660	156 016
2-3 ha	78 850	183 354
3-5 ha	90 401	339 021
5-10 ha	101 066	688 987
10 - 20 ha	75 660	1 017 807
20-50 ha	76 792	2 372 027
50-100 ha	34 498	2 242 409
100-200 ha	12 941	1 666 879
200 ha >	6 616	3 593 496

LEGAL STATUS		
	Number of holdings	Area (ha)
Holdings, total	842 882	12 355 831
Civil persons	832 749	10 675 018
Corporation	4 686	1 418 371
Government	1 229	73 261
Other	4 218	189 181

TENURE OF LAND		
	Number of holdings	Area (ha)
Holdings, total	842 882	12 335 831
Under one form of tenure	709 048	11 157 838
Owned	577 195	8 881 506
Rented	10 135	93 189
Other single forms of ten.	121 718	2 183 143
More than one form of ten.	133 834	1 197 993

HOLDERS BY SEX		
	Number of holders	
Total	842 882	-
Male	629 151	-
Female	213 731	-

HIRED PERMANENT WORKERS		
	Holdings reporting	Number of workers
Total	57 440	250 305

LAND USE		
	Number of holdings	Area (ha)
All land	842 882	12 355 831
Agricultural land	-	8 063 511
Cropland	-	2 976 379
Arable land	-	1 612 979
I. under temp. crops	629 055	1 231 675
I. temporarily fallow	136 815	381 304
Permanent crops	304 206	1 363 400
Permanent mead./pastures	-	5 087 132
Wood / forest land	242 912	3 881 140
All other land	717 328	411 180

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Rice	75 814	343 936
Dry peas	15 780	19 438
Maize, total	-	323 803
Maize (hard)	81 943	240 201
Maize (sweet)	104 513	83 602
Maize choclo, total	-	25 543
Maize choclo (hard)	4 351	3 745
Maize choclo (sweet)	45 675	21 798
Potatoes	82 759	47 494
Soybeans	4 226	54 350

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Bananas	28 619	180 331
Cocoa	58 466	243 146
Coffee	57 153	151 941
Maracuya	9 088	28 747
Oil palm	3 591	146 314
Plantains	50 483	82 341
Sugarcane for other uses	35 508	42 606
Sugarcane for sugar	1 700	82 749

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	427 514	4 486 020
Sheep	178 995	1 127 468
Goats	16 405	178 367
Pigs	440 475	1 527 114
Horses	189 289	375 760
Mules	73 494	130 091
Asses	128 006	176 390
Alpacas	206	2 024
Llamas	7 610	21 662
Rabbits	71 951	515 809
Chickens (courtyard)	582 492	9 172 193
Broilers (intensive)	2 270	19 595 058
Laying hens (intensive)	712	6 714 654
Ducks	74 309	404 672
Turkeys	30 931	117 758

EGYPT - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Data presented here refer to the seventh Agricultural Census in Egypt, conducted during the year 1999/2000. Prior to this one, Egypt participated in the World Census of Agriculture by conducting six censuses, all by complete enumeration, in the years 1929, 1939, 1950, 1961, 1982 and 1990.

Organization

The census was organized by the Ministry of Agriculture and Land Reclamation (MALR), Economic Affairs Sector (EAS), Central Administration for Agricultural Economics, General Department of Agricultural Census.

Reference date/period

For inventory items like livestock numbers and stock of farm machinery owned by the holder, the reference date is 25 October 2000. For all other items the data refer to the agricultural year 1999/2000.

Definition

The agricultural holding, as the enumeration unit, includes agricultural assets, with or without land.

- **Holdings with land** must have at least 12 Sahn (87.5 square meters) land used wholly or partly for agricultural production (i.e. plants, livestock, poultry and fisheries). All land operated by a holder in any village or town within the boundaries of the same district is considered a holding as one financial and technical unit. The land could be under any tenure form. It includes livestock, un-reclaimed areas (waste land), buildings and aquacultures.
- **Holdings without land** are considered as holdings if they have a minimum of one head of cattle, buffaloes or camels; or five heads of sheep or goats, or a combination of them; or hundred poultry; or ten beehives; or one fishery cage; or the ownership of one agricultural machine, or sharing it, used in agriculture. Units possessing only pigs or draught animals such as donkeys and mules are not considered as agricultural holdings.

Coverage

The census covered all sectors of agriculture in the entire country.

Frame

The frame for the Censuses of Agriculture in Egypt is usually prepared during the first phase of the census, which takes place at the beginning of the agricultural year. The country is administratively divided into 13 Governorates: nine for Lower Egypt, five for Upper Egypt and five Desert Governorates. Each Governorate consists of Districts, and Districts, in turn, consist of villages (hamlets) and cities.

Method

The Censuses of Agriculture in Egypt are carried out on a complete enumeration basis in two phases. In the first phase, a list of all agricultural holdings is prepared. The main purpose of this phase is to provide an updated list of all buildings, households and agricultural holdings. Sketch maps of villages and cities are also prepared in this phase. The second phase is the main census and consists of the interview of all holders using a detailed questionnaire.

Data source

The Seventh Agricultural Census in Egypt 1999/2000. Ministry of Agriculture and Land Reclamation, Economic Affairs Sector, Central Administration for Agricultural Economics, General Department of Agricultural Census. Arab Republic of Egypt.

Contact

Adviser for Agricultural Census of the Ministry of Agriculture, 7 Nadi El Seed St. Dokki, Cairo, Egypt.

E-mail: Sea@agri.gov.eg

Website

<http://www.agri.gov.eg>

EGYPT - Agricultural Census 1999/2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	4 541 884	3 750 699

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	4 541 884	3 750 699
Without land	823 893	-
Under 0.4 ha	1615590	303 428
0.4 and under 0.8 ha	1 398 011	954 155
0.8 and under 1.3 ha	239 106	322 954
1.3 and under 1.7 ha	107 389	190 511
1.7 and under 2.1 ha	169 064	386 528
2.1 and under 4.2 ha	122 598	494 061
4.2 and under 8.4 ha	45 983	373 126
8.4 and under 12.6 ha	11 910	180 599
12.6 ha and over	8340	545 338

FRAGMENTATION		
	Number of holdings	Number of parcels
Total holdings with land	3 717 991	6 315 592

LEGAL STATUS		
	Number of holdings	Area (ha)
Total number of holdings	4 541 884	3 750 699
Holdings operated by:		
Civil persons	4 537 319	3 532 780
Corporation	560	150 315
Cooperatives/Governments	3 748	63 381
Others	257	4 223

TENURE OF LAND		
	Number of holdings	Area (ha)
Total holdings with land	3 717 991	3 750 699
Under one form of tenure	3 525 911	3 478 653
Owned	3 256 384	3 077 293
Rented from others	223 118	159 935
for fixed amount of money	189 355	131 821
other rental arrangements	33 763	28 114
Other single forms of tenure	46 409	241 425
More than one form of ten.	192 080	272 046

HOLDERS BY SEX		
	Number of holders	
Total (Civil persons)	4 537 319	-
Male	4 300 687	-
Female	236 632	-

HOLDER'S HOUSEHOLD MEMBERS		
	Number of persons	
Total	25 555 484	-

EMPLOYMENT		
	Number of persons	
Holder's household members working on their holding, total	12 647 254	-
Permanent, total	3 379 431	-
Male	2 945 690	-
Female	433 741	-
Temporary, total	9 267 823	-
Male	5 281 295	-
Female	3 986 528	-

LAND USE		
	Number of holdings	Area (ha)
All land	3 717 991	3 750 699
Cropland	3 708 797	3 489 692
Arable land	-	2 995 793
Permanent crops	-	486 823
Wood or forest land	-	7 073
All other land	-	253 934

MAIN TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Broad beans	394 553	183 176
Clover ^(*)	2 239 369	1 010 262
Cotton	659 254	330 353
Cucumbers	98 320	29 535
Green for silage	374 034	89 859
Groundnuts	114 644	84 511
Maize	2 212 915	900 797
Rice	1 316 898	801 177
Sugar cane (Ratooning)	170 467	126 542
Sunflower	67 557	30 786
Tomatoes (winter)	150 360	88 460
Wheat	2 619 997	1 191 383

(*) Holdings reporting permanent clover

MAIN PERMANENT CROPS			
		Compact plantation	Scattered trees
Oranges:	Holdings reporting	77 464	76 670
	Number of trees	344 003 405	230 269
Mandarins:	Holdings reporting	37 448	88 080
	Number of trees	17 313 021	421 605
Lemons:	Holdings reporting	21 672	208 353
	Number of trees	5 400 872	697 423
Date palm:	Holdings reporting	32 440	109 297
	Number of trees	4 601 201	6 376 232
Grapes:	Holdings reporting	39 665	214 163
	Number of vines	90 163 786	402 030
Bananas:	Holdings reporting	22 788	74 618
	Number of plots	19 937 960	318 900
Olives:	Holdings reporting	31 935	58 790
	Number of trees	18 919 176	352 701
Apricots/Plums/Peaches	Holdings reporting	26 092	19 214
	Number of trees	11 279 071	125 223
Nuts:	Holdings reporting	4 883	1 037
	Number of trees	986 850	6 499

IRRIGATION		
Source of supply	Number of holdings reporting irrigation	Area irrigated (ha)
Nile water	3 494 641	2 879 566
Ground water	181 777	379 612
Agricultural drainage water	41 383	81 354

LIVESTOCK		
	Holdings reporting	Number of head
Cattle ^(*)	1 769 115	4 207 733
Buffaloes	2 356 208	4 052 205
Sheep	722 216	2 748 904
Goats	504 215	1 476 424
Camels	80 021	162 730
Horses	42 898	48 507
Asses	2 781 960	2 991 159
Mules	15 518	16 436
Pigs	5	24
Chickens	3 765 009	62 040 389
Rabbits	1 221 070	9 349 663

(*) Holdings reporting local cattle

MACHINERY		
Machines	Holdings reporting	Units
Tractors < 25 Hp		
Owned or shared by the holder	8 362	8 654
Rented from private and public sector	63230	-
Tractors 25 to 75 Hp		
Owned or shared by the holder	103 070	98 928
Rented from private and public sector	2 751 261	-
Tractors > 75 Hp		
Owned or shared by the holder	31 807	32 009
Rented from private and public sector	673 160	-

ESTONIA - Agricultural Census 2001 - Explanatory Notes

Historical outline

The 2001 agricultural census is the first conducted in the re-independent Estonia. The last agricultural census was conducted in 1939.

Organization

The 2001 Agricultural Census was organized and conducted by the Statistical Office of Estonia. A Census Expert Committee was established with advisory functions.

Enumeration period

The census was carried out during the period 15 – 29 July 2001.

Reference date/period

Preliminary data on area sown of field crops was collected at the beginning of June. Final data on harvested area and crop production, use of fertilizers, agricultural product sales, livestock numbers, animal production, machinery and farm buildings are usually collected in January.

Definition

- **Agricultural holding:** a production unit under single management, both technically and economically, with agriculture as main activity and with the following characteristics:
 - At least one hectare of agricultural or forest land, or at least 0.3 ha of fish ponds, or
 - At least one hectare of agricultural or forest land or less than 0.3 ha of fish ponds or
 - No agricultural or forest land or fish ponds but produces agricultural products mainly (more than one half) for sale.
- **Household plot:** a production unit with less than one hectare of agricultural or forest land, or with no agricultural or forest land but produces agricultural products mainly (more than one half) for home consumption and reporting:
 - 50 or more square meters of kitchen garden or three fruit trees or six berry bushes, or
 - At least 10 rabbits, 10 domestic fowls or other farm animals, or
 - At least three beehives.

Coverage

The census covered the agricultural holdings and the household plots in the entire country.

Frame

Local Government Offices compiled, in co-operation with the census staff and the employees of the Statistical Office, the lists of enumeration units, which was updated in June 2001. A Statistical Farm Register, established in 1993, was already operative in the country.

Method

Enumerators questioned the holders of agricultural holdings and the persons operating household plots, by personal interview. The enumerator filled in the census questionnaire on each unit of enumeration (agricultural holding or household plot), in the same way as in the Population and Housing Census.

Data source

ESA, Statistikaamet, Põllumajandus-Loendus 2001 (Statistical Office of Estonia, 2001 Agricultural Census).

Contact

Statistical Office of Estonia, Endla Street 15, Tallin EE-0100, Estonia. Tel.: (+372) 2 625 9300; Fax: (+372) 2 625 9370; E-mail: stat@stat.ee

Website

<http://www.stat.ee>

ESTONIA - Agricultural Census 2001 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	83 808	1 705 136

NUMBER AND AGRICULTURAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Holdings with agricultural area	Agricultural area (ha)
Total	68 869	875 799
<1 ha	13 450	4 694
1-2 ha	14 065	19 631
2 - 5 ha	16 545	52 658
5-10 ha	10 818	76 356
10 - 20 ha	7 759	107 814
20-50 ha	4 239	125 751
50-100 ha	973	66 346
100 ha >	1 020	422 549

LEGAL STATUS		
	Number of holdings	Area (ha)
Holdings, total	83 808	1 705 136
Civil persons	82 159	1 292 975
Others	1 649	412 161

TENURE OF AGRICULTURAL LAND		
	Holdings with agricultural area	Agricultural area (ha)
Holdings, total	68 869	875 799
Under one form of tenure	63 737	541 842
Owned	52 620	286 790
Rented	11 117	255 052
More than one form of t.	5 132	333 957

EMPLOYMENT		
		Number of workers
Persons working in agriculture	-	164 366
Holders and household members	-	133 278
Hired workers	-	31 088
Permanent	-	17 741
Male	-	9 775
Female	-	7 966
Occasional	-	13 347

TEMPORARY CROPS		
	Holdings reporting	Area sown (ha)
Wheat, total	-	57 099
Wheat (winter)	2 910	23 347
Wheat (spring)	5 129	33 752
Rye	2 745	20 375
Barley	13 900	136 330
Oats	6 957	49 435
Other cereals	2 175	10 262
Tomatoes(greenhouse)	519	41
Turnips	766	27 560
Flax	28	190
Peas	719	3 227
Field beans	242	116
Beetroot	380	148
Cabbage	710	427
Cauliflower	79	35
Cucumbers (greenhouse)	513	38
Cucumbers (in the open)	288	53
Carrot	602	323
Onion	311	45
Garlic	77	9
Potatoes	44 213	17 153

LAND USE		
	Number of holdings	Area (ha)
All land	-	1 705 136
Agricultural land	-	875 799
Cropland	-	610 599
Arable land	-	607 324
Permanent crops	-	3 275
Permanent mead./pastures	-	265 200
Wood / forest land	-	547 231
All other land	-	282 106

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apple	681	792
Pears	67	10
Plums	216	77
Cherries	126	20
Raspberry	277	113
Black currant	575	330
Red & white currant	402	194
Gooseberry	143	12
Strawberry	1 083	590

LIVESTOCK		
	Holdings reporting	Head/units
Cattle, total	20 281	280 884
Sheep		
Total	5 054	44 567
Male	-	17 755
Female	-	26 812
Goats		
Total	1 267	4 308
Male	-	1 816
Female	-	2 492
Pigs	12 136	329 785
Horses		
Total	2 050	5 261
Male	-	2 827
Female	-	2 434
Rabbits		
Total	3 916	34 901
Male	-	24 832
Female	-	10 069
Chickens, total	-	1 612 481
Broilers	663	616 930
Laying hens	23 002	995 551
Geese	1 302	6 015
Ducks	1 922	13 716
Turkeys	82	595
Other poultry	270	16 423
Fur-bearing animals	74	103 421
Beehives	5 443	37 131

Historical outline

An agricultural census has not been conducted in Ethiopia so far. However, annual agricultural sample surveys have been carried out since 1980/81 by the Central Statistical Authority (CSA). In September 2001 the CSA launched the field work of the first ever Ethiopian Agricultural Sample Enumeration. The United States Agency for International Development (USAID), the European Union and the British Department for International Development gave financial and technical assistance,

Organization

The 2001/02 Ethiopian Agricultural Sample Enumeration (EASE) was launched under the auspices of the Ethiopian Agricultural Census Commission chaired by the Prime Minister. The Central Statistical Authority serves as the Secretariat for the Office of the Commission.

Enumeration period

The enumeration period took place from September 2001 to September 2002.

Reference date/period

Data on basic economic characteristics of the population in agricultural households refer to October 2001. The reference period was from 10 February 2001 to 9 February 2002.

Definition

- **Holding:** Is all the land and/or livestock kept, which is used wholly or partly for agricultural production and is operated as one legal entity by one person alone, or with others regardless to management, organization, size or location.
- **Agricultural household:** A household is considered an agricultural household when at least one member of the household is engaged in growing crops and/or raising livestock in private or in combination with others.

Coverage

The Agricultural Sample Enumeration was designed to cover the rural and urban parts of all woredas in the country on a large-scale basis. The coverage included 470 (460 rural and 10 urban) woredas in 60 administrative zones of the country excluding the pastoralist areas of the Afar and Somali Regional States.

Frame

The list of enumeration areas for each woreda (stratum) was compiled from the 1994 Ethiopian Population and Housing Census cartographic work, and was used as the frame for selection of the Primary Sampling Units (PSU). The enumeration maps of the region for the sample of Enumeration Areas were updated and the boundaries and descriptions were clarified to reflect the current physical situation. The sampling frame used for the selection of ultimate sampling units (agricultural households) was a fresh list of households prepared by the enumerator.

Method

The enumeration was based on a house-to-house interviewing of holders and objective measurements of their holdings and crop yields, in three phases. The first phase was the collection of data on demographic and economic characteristics of the rural peasant households; the second one was the data collection on farm management practices of these rural peasant households, using an interview method for both seasons. Data on crop and yield of temporary and permanent crops was collected in the third phase by visiting the farm operators and physically measuring the crop fields since the farmers are not familiar with standard units.

Data source

Ethiopian Agricultural Sample Enumeration, Statistical Report, Part I and II Addis Ababa, July 2003.
Central Agricultural Census Commission, Central Statistical Agency of Ethiopia.

Contact

Central Statistical Agency of Ethiopia, P.O.Box 1143 Addis Ababa, Ethiopia. Tel.: (+251) 11 155 3011;
E-mail: csa@ethionet.et.

Website

<http://www.harvestchoice.org/production/data>, <http://www.csa.gov.et/Census>

ETHIOPIA FEDERAL DEMOCRATIC REPUBLIC - Agr. Census 2001/02 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	10 758 597	11 047 249

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	10 758 597	11 047 249
< 0.1 ha	819 394	38 418
0.1 - 0.5 ha	3 175 027	933 428
0.5 - 1 ha	2 767 746	2 021 798
1 - 2 ha	2 612 288	3 682 947
2 - 5 ha	1 276 773	3 605 515
5 - 10 ha	97 037	612 070
10 ha >	10 333	153 072

FRAGMENTATION		
	Number of parcels	
Total	35 340 605	-

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	10 758 597	11 047 249
Owned	10 547 597	9 535 456
Rented	2 134 137	1 110 878
Other forms of tenure	1 000 815	400 915

HOLDERS BY SEX		
	Number of holders	
Total	11 507 442	-
Male	9 357 767	-
Female	2 149 675	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	43 040 637	-
Male	18 175 951	-
Female	24 864 686	-

LAND USE		
	Number of holdings	Area (ha)
All land	10 758 597	11 047 249
Agricultural land	-	10 658 964
Land under crops	-	8 861 159
Temporary crops	10 151 839	8 193 391
Permanent crops	5 805 161	667 768
Fallow land	3 278 341	839 949
Permanent mead./pastures	3 727 319	957 856
Wood / forest land	1 486 960	87 053
All other land	10 226 668	301 232

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Avocados	324 489	2 919
Bananas	1 327 486	21 938
Guavas	140 261	1 427
Lemons	111 884	796
Mangoes	298 303	4 001
Oranges	309 219	2 559
Papayas	404 188	2 983
Pineapples	10 974	172
Chat	1 545 861	97 604
Coffee	2 386 686	256 545
Enset	3 057 656	237 959
Sugarcane	563 310	13 008

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat	3 206 902	1 029 100
Millet	1 017 008	284 823
Rice	30 622	8 471
Sorghum	3 450 397	1 150 742
Barley	3 230 115	781 955
Oats	263 863	30 639
Maize	5 868 190	1 350 845
Teff	4 496 329	1 846 082
Chick peas	753 578	186 260
Fenugreek	201 040	15 324
Field peas	1 138 384	176 880
Haricot beans	1 209 804	122 643
Horse beans	2 635 614	372 478
Lentils	451 773	60 801
Groundnuts	92 442	16 483
Linseed	581 725	100 142
Neug	800 257	234 142
Rapeseed (colza)	342 063	15 110
Sesame	223 464	62 693
Sufflower	91 214	5 486
Green peppers	407 900	3 786
Ethiopian cabbage	1 439 965	15 058
Onions	485 573	11 145
Potatoes	820 487	38 028
Sweet potatoes	742 496	34 575

LIVESTOCK		
		Head/units
Cattle		
Total	-	41 527 142
Male	-	18 190 980
Female	-	23 336 163
Sheep		
Total	-	14 655 565
Male	-	3 901 054
Female	-	10 754 512
Goats		
Total	-	13 661 561
Male	-	4 264 352
Female	-	9 397 210
Horses	-	1 504 208
Mules	-	354 120
Asses	-	3 962 969
Camels	-	447 842
Poultry	-	42 915 629
Beehives	-	4 601 806

FINLAND - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Beginnings with 1910 agricultural censuses have been conducted in Finland almost at every ten years. The last ones were in 1959, 1969, 1990 and in 1999/2000. The information for inter-censal years has been collected through administrative sources like Rural Business Register, or by means of annual sample survey.

Organization

The Information Centre of Ministry of Agriculture and Forestry (IC/MAF) carried out the agricultural census according to FAO guidelines and EU regulations. Legal framework for the census was provided by Finland's Statistics Act, Act on IC/MAF and Act of Rural Business Statistics. About 450 municipalities played the essential role regarding data collection in the field. Services of a private company were utilized for conducting telephonic interviews. The census was led by a project team comprising agricultural, automated data processing and statistical experts.

Enumeration period

In addition to data already available from administrative sources, enumeration was carried out in three phases. Data on machinery, computers, irrigation area, storage facilities and other activities on the holdings were collected during February to July 2000, The data on livestock and arable land on farms which had not availed subsidies, were collected during July to August 2000. From September to December 2000, computer aided interviews were carried out to collect data on labour force.

Reference date/period

For crop and land use: 26 May 2000. For livestock: 1 May 2000. For machinery, storage facilities and rural development: year 2000. For the labour force survey: 1 September 1999 to 30 August 2000.

Definition

- **Farm/Agricultural holding:** a production unit, which is technically and economically a single production unit. It could be operated by a single natural or legal person or a group of natural or legal person.
- **Utilized Agricultural Area (UAA):** is the holding's area consisting of arable land, kitchen gardens, land under permanent crops and land under permanent meadows and pastures.
- **Standard Gross Margin (SGM):** The SGM determines the techno-economic orientation and techno-economic size of the holding. It is calculated, for each crop or animal production, as the difference between the standard value of the production and the standard amount of certain specific costs (mainly proportional specific costs). For easy comparison it is measured in European Size Units.

Coverage

Geographically, the survey covered the entire territory of Finland. Statistically, for the purpose of agricultural census, target population was agricultural holding with: (1) A utilized agricultural area (UAA) of at least 1 ha or (2) A total standard gross margin of 1.00 European Size Units.

Frame

Four different registers, viz. the Rural Business Register, the Register of Horticultural Holdings, the Register of Bovine Animals and the Register of Organic Farming were used to build census frame. The information on new holdings which were not yet part of the registers was collected by municipalities.

Method

The census was carried out as complete enumeration, avoiding duplication of data available from registers. The Bovine Animal Register is concurrently updated as there exists an obligation to report birth, death and slaughter of animals within two weeks of the event. Other registers are updated once a year. Questionnaires were sent by post and telephonic interviews were carried out.

Data source

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

Contact

Statistics Finland, Työpajankatu 13, Helsinki, FIN-00022 Statistics Finland. Tel.: (+358) 9 173 41 (switchboard); Fax: (+358) 9 173 427 50; E-mail:stat@stat.fi.

Website

http://www.tilastokeskus.fi/index_en.html

FINLAND - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	81 190	5 865 530

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	81 190	5 865 530
without agricultural land	510	15 070
0 - 2 ha of agricultural area	2 240	47 730
2 - 5 ha	5 780	168 550
5 - 10 ha	11 120	416 110
10 - 20 ha	20 220	1 092 980
20 - 30 ha	14 700	1 061 420
30 - 50 ha	15 660	1 438 800
50 - 100 ha	9 270	1 196 790
>= 100 ha	1 700	428 080

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	75 740	-
Other	5 450	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	2 218 670
Owned	-	1 532 790
Rented	-	685 880
Other forms of ten.	-	-

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	75 740	-
Male	67 530	-
Female	8 210	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	75 740	-
< 35 years of age	8 670	-
35 to 44	20 480	-
45 to 54	27 320	-
55 to 64	14 680	-
65 >	4 590	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	164 610	-
Male	104 650	-
Female	59 960	-
Of which, full time:		
Total	53 380	-
Male	35 110	-
Female	18 270	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	19 260	-
Of which, full time:	6 640	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	164 610	-
Male	104 650	-
Female	59 960	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	6 640	-

LAND USE		
	Number of holdings	Area (ha)
All land	81 190	5 865 530
Agricultural land	-	2 218 660
Cropland	-	2 192 520
Arable land	80 370	2 188 180
Permanent crops	3 050	4 340
Permanent mead./pastures	6 990	26 140
Wood / forest land	75 630	3 628 680
All other land	-	18 190

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Soft wheat	10 190	149 590
Rye	8 010	44 620
Barley	44 100	559 090
Oats	47 850	411 660
Dry pulses	2 210	10 670
Potatoes	29 420	32 220
Sugarbeets	2 780	32 170
Industrial plants	6 040	58 640
Rapeseed and Turnip	4 970	52 530
Sunflowerseed	270	300
Vegetables (grown in the open)	7 240	14 370

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	30 010	1 056 480
of which: dairy cows	23 910	364 120
Sheep	2 170	99 530
Goats	710	8 560
Pigs	4 380	1 295 800
Chickens, total	-	12 330 000
Broilers	220	7 920 000
Laying hens	2 190	4 410 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	77 820	171 550
Tractors not belonging to the holding	16 230	-

FRANCE - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

The 2000 Agricultural Census in France is the fifth taken since the end of the Second World War, and follows those of 1955, 1970, 1979 and 1988. The results obtained through 1988/89 census were updated through farm structure sample surveys of 1990, 1993, 1995 and 1997.

Organization

The census was organized by the Central Service of Statistical Surveys and Studies (SCEES) which is the Central Statistics Department of the Ministry of Agriculture. Legal basis was provided by a decree signed by National Statistical Information Council (CNIS).

Enumeration period

Eligible holdings were surveyed during 1 October 2000 to 31 January 2001.

Reference date/period

Livestock data refer to the day of enumeration. Data on poultry numbers to be slaughtered for Christmas are those present on the holding on 1st December 2000. Crops data refer to the agricultural year 2000 (from 1 November 1999 to 31 October 2000). Data on seasonal or occasional employment refer to those persons who worked during the agricultural year 1999/2000.

Definition

- **Superficie agricole utilisée:** includes arable land, land under permanent crops, and land under permanent meadows and pastures.
- **Agricultural Holding** is an economic unit of agricultural production satisfying at the same time the following three conditions: it produces an agricultural product; it is equal to or above the threshold size (1 ha or more of "superficie agricole utilisée", or 0.2 ha of specialized crops, or a certain number of livestock, or a certain level of agricultural output etc; it is subject to independent everyday management).

Coverage

The census was carried out through out the country including overseas areas. However, the results reported here relate to the territory of France in Europe (France Metropolitaine).

Frame

During the winter of 1999/2000 the list of agricultural holdings was drawn up on the basis of updated version of 1988 survey list. The 1988 list was matched with the data derived from social security documentation in respect of farmer. The data maintained by the National Statistical Institute (INSEE) in business index of registered farmers was pooled to get a common identifier for using different list at local level. The list so prepared was reviewed at municipality level with help of other locally available files and information to include all holdings covered by the census and avoids duplication.

Method

The survey was a complete enumeration census conducted through direct interview of farmers. The census took place in seven major stages: preparation, compilation of list of holdings to be surveyed, recruitment of temporary staff, training, data collection, validation and dissemination. To cope up with the additional workload about 4 700 non-permanent workers were recruited and trained. A field testing of questionnaires was carried out during February to March 1999 through out France. 22 different versions of the census questionnaire were used to meet the requirements of 19 regions and the 4 overseas areas. Each version, however, had a common core. The data on two additional questionnaires on viticulture and aromatic and medicinal plants were also collected with the census.

Data source

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

Contact

Centre de documentation et d'information Agreste, 251 rue de Vaugirard 75732 Paris cedex 15.
Tél.: (+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.agreste.agriculture.gouv.fr)

FRANCE - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	663 810	29 897 670

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	663 810	29 897 670
without agricultural land	10 720	14 330
0 - 2 ha of agricultural area	101 020	197 670
2 - 5 ha	81 620	395 120
5 - 10 ha	60 510	564 790
10 - 20 ha	71 240	1 250 550
20 - 30 ha	51 970	1 473 740
30 - 50 ha	85 830	3 703 230
50 - 100 ha	122 150	9 148 280
>= 100 ha	78 750	13 149 960

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	538 000	-
Other	125 810	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	27 856 310
Owned	-	10 110 030
Rented	-	17 457 160
Other forms of tenure	-	289 120

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	538 000	-
Male	411 720	-
Female	126 280	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	538 000	-
< 35 years of age	53 270	-
35 to 44	120 150	-
45 to 54	161 690	-
55 to 64	105 540	-
65 >	97 350	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	857 620	-
Male	558 140	-
Female	299 480	-
Of which, full time:		
Total	306 150	-
Male	226 810	-
Female	79 340	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	461 970	-
Of which, full time:	290 280	-

LAND USE		
	Number of holdings	Area (ha)
All land	663 810	29 897 670
Agricultural land	-	27 856 310
Cropland	-	19 540 380
Arable land	452 000	18 419 340
Permanent crops	184 240	1 121 040
Permanent mead./pastures	410 320	8 315 930
Wood / forest land	214 710	1 303 420
All other land	-	737 940

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	-	-
Soft wheat	263 770	4 896 510
Durum wheat	20 410	338 600
Rye	8 450	30 480
Barley	171 360	1 521 930
Oats	38 380	101 390
Maize	142 700	1 753 870
Dry pulses	48 670	475 390
Potatoes	30 500	157 820
Sugarbeets	31 800	409 060
Industrial plants	128 720	2 105 200
Tobacco	5 100	9 560
Hops	120	830
Rapeseed and Turnip	74 300	1 176 100
Sunflowerseed	59 940	722 870
Soybeans	7 910	76 790
Vegetables (grown in the open)	42 040	240 810

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Citrus fruits	500	2380
Olives	11730	14240
Grapes	143 750	883 660

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	282 010	20 258 920
of which: dairy cows	128 340	4 193 270
Sheep	95 670	9 416 240
Goats	27 290	1 201 940
Pigs	59 550	14 869 720
Chickens, total		203 370 000
Broilers	125 630	126 300 000
Laying hens	231 820	77 070 000

MACHINERY		
	Holdings reporting use	Units
Tractors belonging to the holding (owned)	550 080	1 249 600
Tractors not belonging to the holding	218 780	-

FRENCH GUIANA - Agricultural Census 2000 - Explanatory Notes

French Guiana, the largest Department of the French Territory, is recorded in the World Census of Agriculture Database at country level in the South American Region for statistical purposes only. Consequently, results related to France bear only upon the territory of France in Europe (France Metropolitaine).

Historical outline

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

Organization

The 2000 Agricultural Census was organized by the Central Service of Statistical Surveys and Studies (SCEES) of the Ministry of Agriculture and Fisheries of France. Field work was carried out through the Statistics Services of the French Guiana's Direction of Agriculture and Forestry (DAF).

Enumeration period

The enumeration period lasted from June 2000 to January 2001.

Reference date/period

For livestock numbers: the day of enumeration. For use of land and most other census items: the agricultural year 1999/2000.

Definition

- **Agricultural holding** is an economic unit of agricultural production satisfying the following conditions:
 - Managing at least one hectare of "superficie agricole utilisée", or
 - 2 000 square meters of specialized cultures, or
 - overstepping a certain production activity (e.g. having at least one cow).The holding should be located in a municipality and identified by the most important building or the largest parcel.
- "**Superficie agricole utilisée**" includes arable land, land under permanent crops, land under permanent meadows and pastures, kitchen gardens and land temporarily fallow.

Coverage

The census covered the entire Department (Département-d'Outre-Mer) of French Guiana.

Frame

The list of agricultural holdings to be investigated was prepared by municipality boards and used as the frame.

Method

Complete enumeration of all agricultural holdings was carried out through direct interview.

Data source

Recensement Agricole 2000, Principaux Résultats. Ministère de l'Agriculture et de la Pêche, French Guiana.

Contact

Ministry of Food, Agriculture and Fisheries, Regional Service Information Statistics and Economic, Cité Rebard - 97305 Cayenne; Tél.: (+594) 296 361; Fax: (+594) 296 363; E-mail: sdsa.daf973@agriculture.gouv.fr.

Website

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

FRENCH GUIANA - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS

	Number of holdings	Area of holdings (ha)
Total	5 318	34 655

NUMBER OF HOLDINGS BY SIZE

	Number of holdings	Area of holdings (ha)
Total	5 318	-
<1 ha	1 108	-
1-2 ha	1 886	-
2-5 ha	1 850	-
5-10 ha	293	-
10 - 20 ha	94	-
20 ha >	87	-

HOLDER'S HOUSEHOLD MEMBERS

	Number of persons	
Total	20 000	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING

	Number of persons	
Total	9 360	-

HIRED PERMANENT WORKERS

	Holdings reporting	Number of workers
Total	174	442

TEMPORARY CROPS

	Holdings reporting	Area (ha)
Root, tuber crops	4 033	4 805
Leguminous plants	2 823	433

PERMANENT CROPS

	Holdings reporting	Area (ha)
Bananas	2 232	295
Pineapples	738	130

LIVESTOCK

	Holdings reporting	Head/units
Cattle	326	9 559
Sheep	100	1 600
Goats	116	1 026
Pigs	341	8 100
Horses	70	500
Rabbits	30	1 500
Chickens	1 684	99 395
Ducks	391	11 027
Geese	108	772
Turkeys	84	1 212
Pigeons	63	2 908
Guinea fowls	136	4 162
Beehives	7	166

GAMBIA - Agricultural Census 2001/02 - Explanatory Notes

Historical outline

The 2001/02 Agricultural Census was the first comprehensive agricultural census exercise conducted in the country.

Organization

The census was organized and implemented by the Agricultural Statistics and Resources Economics Unit (ASRE) of the Department of Planning (DOP) of the Department of State for Agriculture (DOSA). Technical and financial assistance was provided by the Food and Agriculture Organization of the United Nations (FAO), the Catholic Relief Services, the United Nations Development Programme (UNDP), the Action Aid in the Gambia, the Commonwealth Fund for Technical Co-operation, the European Development Fund, and the Republic of China.

Enumeration period

The enumeration took place from July to September 2002.

Definition

- **Dabada/Household:** A group of individuals usually related, conducting farming or non farming activities as a unit and pooling their resources from their activities. In line with the WCA Programme, it is defined to include all land that is used wholly or partially for agricultural production under one technical or operational unit, single management by one person alone or with others, regardless to title, legal form, size or location.
- **Enumeration Area (EA):** Is the area assigned to an enumerator. For census purposes, the pre-determined number of sample EAs for the country is allocated to the Administrative Districts in proportion to their agricultural population.
- **Field:** It is a piece of land inter-cropped or planted with one or more crops.
- **Plot:** Is a piece of land demarcated on a field for yield and density studies.

Coverage

The census covered the entire country.

Frame

The responsible agency for the Population Censuses, the Central Statistics Department (CSD), provided a statistical frame comprising a list, compiled from the results of the 1993 Population Census, of small geographic segmentations of the territory called Enumeration Areas (EAs) used as primary sampling units, each one with relevant demographic information and a map for proper identification. The secondary sampling units were dabadas (i.e. clusters of household) found within the EAs.

Method

The census is considered an Expanded Agricultural Sample Survey, expected to be conducted at ten-year intervals, with annual sample surveys to be carried out in the years between the decennial censuses.

The sample design: All EAs within a District were listed in the frame as first stage units and a sample of 25 percent was selected with probability proportional to size. As second stage units a systematic random sample of five households (Dabadas), was selected for enumeration within the EAs. This resulted in a total of 405 EAs corresponding to the 3 percent of total EAs in the country and 1 400 households corresponding to the 25 percent of total number of households in the country. Data was obtained by the interview method and physical measurements of fields and yields. Sixty enumerators, under the supervision of thirteen supervisors, performed the field work.

Data source

Report of the Agricultural Census of the Gambia 2001/02, Vol. 1 and 2, Banjul. Government of the Gambia, Agricultural Statistics and Resources Economics Unit (ASRE), Department of Planning (DOP), Department of State for Agriculture (DOSA), the Gambia.

Contact

- Department of Planning (DOP), Department of State for Agriculture (DOSA) Banjul, the Gambia.
Tel.: (+220) 228 752; Fax: (+220) 224 85; Telex: 2204 PRESOF GV.
- Central Statistics Department, Ministry of Finance, Central Bank Building, ½ Buckle Street, Banjul, the Gambia.
Tel.: (+220) 228 364; Fax: (+220) 228 903.

GAMBIA - Agricultural Census 2001/02 - Main Results

NUMBER OF HOLDINGS		
	Number of holdings	Area cultivated (ha)
Total	69 140	304 856

HOLDERS BY SEX AND AGE		
	Number of holders	
Total	69 140	-
Male	63 409	-
< 25 years	561	-
25 - 44	18 390	-
45 - 64	29 038	-
65 >	15 419	-
Female	5 731	-
< 25 years	71	-
25 - 44	1 000	-
45 - 64	2 707	-
65 >	1 953	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX AND AGE		
	Number of persons	
Total	734 431	-
Male	368 592	-
< 10 years	106 249	-
10 - 14	52 129	-
15 - 24	78 934	-
25 - 44	74 027	-
45 - 64	38 757	-
65 >	18 757	-
Female	365 839	-
< 10 years	106 433	-
10 - 14	46 141	-
15 - 24	73 051	-
25 - 44	97 573	-
45 - 64	32 679	-
65 >	9 963	-

TEMPORARY CROPS		
	Holdings reporting	Area planted (ha)
Millet (early)	35 681	81 273
Millet (late)	8 138	16 087
Maize	33 338	17 202
Sorghum	21 847	26 175
Rice (upland)	24 837	8 915
Rice (swamp)	25 438	6 953
Groundnuts (improved variety)	19 515	36 109
Groundnuts (old variety)	37 279	102 779
Sesameseed	17 153	6 968
Cabbages	13 515	-
Tomatoes	43 198	-
Carrots	2 282	-
Onions	19 674	-
Eggplants	26 063	-
Lettuce	7 834	-
Okra	40 221	-
Pepper (hot)	35 818	-
Pepper (sweet)	11 931	-
Talinum	7 184	-
Melon egusi	520	-
Watermelon	7 252	-
Chillies	7 900	-
Shallots	1 703	-
Nutmeg	335	-
Pumpkins	13 880	-
Ginger	1 553	-
Flowers	774	-

PERMANENT CROPS		
	Holdings reporting	
Avocado	399	-
Papaya	11 346	-
Oranges	18 406	-
Mangoes	41 125	-
Bananas	11 047	-
Cashew nuts	16 325	-
Coconut	2 984	-
Oil palm	1 252	-
Cola	385	-
Limes	4 179	-
Shea-nut	187	-
Pineapples	120	-

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	27 799	323 167
Male	-	97 204
Female	-	225 963
< 2 year		
Total	-	99 748
Male	-	36 305
Female	-	63 443
2 years >		
Total	-	223 419
Male	-	60 899
Female	-	162 520
Sheep, total	26 460	129 232
Male	-	36 397
Female	-	92 835
< 1 year		
Total	-	41 622
Male	-	16 184
Female	-	25 438
1 year >		
Total	-	87 610
Male	-	20 213
Female	-	67 397
Goats, total	40 370	228 404
Male	-	62 815
Female	-	165 589
< 1 year		
Total	-	86 729
Male	-	34 675
Female	-	52 053
1 year >		
Total	-	141 676
Male	-	28 140
Female	-	113 536
Pigs, total	849	7 962
Male	-	3 774
Female	-	4 188
< 6 month		
Total	-	3 459
Male	-	1 881
Female	-	1 578
6 month >		
Total	-	4 553
Male	-	1 893
Female	-	2 660
Chickens, total	50 786	586 331
<6 month	-	318 088
6 month >	-	268 243

GEORGIA - Agricultural Census 2003/04 - Explanatory Notes

Historical outline

The 2004 Agricultural Census of Georgia was the first that took place in Georgia since independence.

Organization

The Census was conducted by Department of Statistics under Ministry of Economic Development of Georgia, with close cooperation of Ministry of agriculture.

Enumeration period

The Census was conducted in two stages: from 25 September to 4 October 2004 in the rural area and from 14 – 23 April 2005 in district centres and small towns.

Reference date/period

From 25 September 2003 to 24 September 2004.

At the first stage, the enumeration day; at the second stage 1 October 2004.

Reference date/period

At the first stage, the enumeration day; at the second stage 1st October 2004.

Definition

- **Person operating a holding** is a natural person (a household member or the top manager of an enterprise) which is directly responsible for operating the holding.
- **Holder** is a natural person, group of natural persons or other subjects which takes basic decisions on use of resources of the holding, operates the holding directly or controls its operations by a specially assigned person and has financial and economic rights and responsibility for the holding.
- **Holding** is an economic unit engaged in agricultural production under single management without regard to its size and legal status.

Coverage

At the first stage, the census was conducted in 912 rural sakrebulo (communities) of 60 districts of Georgia, and at the second stage in 92 small towns (among them 60 district centres). Five large cities (Tbilisi, Kutaisi, Batumi, Rustavi, Poti) were not covered. The census was not conducted in uncontrolled territory of Abkhazia (except Kodori gorge) and Tskhinvali Region (former South Ossetia).

Frame

The territory covered by the census was divided into 1 316 supervisor areas (1 062 in the rural and 254 in the urban area). Each supervisor area was divided into enumeration areas (on average 6 enumeration areas per supervisor area in villages and 5 enumeration areas in small towns). In total, 7 200 enumeration areas were created in Georgia (5 904 in the rural area and 1 296 in the urban area). Each enumeration area was working grounds for one enumerator. One supervisor was responsible for each supervisor area. In each district, the census was supervised by the head of district statistical office and a special representative of Department of Statistics.

Method

Due to the fact that sufficient resources for the full scope census could not be allocated in the State budget of 2004, the field work of the census was conducted in two stages. The second stage was indispensable because small towns of Georgia by their lifestyle are very similar to the rural area and more than two thirds of their households are engaged in agriculture.

Data source

Agricultural Census of Georgia 2004. Ministry of Economic Development of Georgia, Department of Statistics, Georgia.

Contact

Ministry of Economic Development of Georgia, Department of Statistics, 4 Beijing str., Tbilisi 0115, Georgia.

Tel.: (+995) 32 367 210 ext. 011; Fax: (+995) 32 367 213;

E-mail: info@statistics.gov.ge.

Website

<http://www.statistics.ge>

GEORGIA - Agricultural Census 2003/04 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	729 542	886 766

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	729 542	886 766
without land	3 776	-
under 0.06 ha	35 464	1 274
0.06 to 0.09 ha	34 660	2 406
0.1 to 0.19 ha	68 107	9 696
0.2 to 0.49 ha	153 448	48 652
0.5 to 0.99 ha	216 990	151 240
1.0 to 1.99 ha	167 656	207 570
2 to 2.99 ha	23 381	54 970
3 to 3.99 ha	10 018	33 994
4 to 4.99 ha	4 473	19 620
5 to 9.99 ha	6 541	42 663
10 to 19.99 ha	2 685	35 453
20 to 49.99 ha	1 217	35 833
50 to 99.99 ha	497	33 029
100 to 199.99 ha	315	42 393
200 to 499.99 ha	236	71 796
500 ha and over	78	96 179

FRAGMENTATION		
	Number of holdings	Number of parcels
Total holdings	729 542	1 694 758
Holdings consisting of:		
1 parcels	247 312	247 312
2 to 3 parcels	356 032	847 237
4 to 5 parcels	94 482	408 199
6 to 9 parcels	28 372	190 978
10 parcels and over	89	1 032
not indicated	3 255	-

LEGAL STATUS		
	Number of holdings	Area (ha)
Total number of holdings	729 542	886 766
Holdings operated by:		
Family holdings	728 247	757 908
Agricultural enterprises	820	89 534
Other type of holdings	475	39 325

HOLDERS BY SEX		
	Number of holders	Area (ha)
Total (civil persons)	729 542	886 766
Male	517 150	646 688
Female	211 800	190 472
Not indicated	592	49 607

HOLDINGS BY PURPOSE OF PRODUCTION		
	Number of holdings	Area (ha)
Total	729 542	886 766
Producing mainly for self consumption	594 858	580 147
Producing mainly for sale	129 498	274 266
Not indicated	5 186	32 353

TENURE OF LAND		
	Area (ha)	
Total	886 766	
Owned land	578 282	
Rented from state	295 911	
Rented from a private person	12 573	

LAND USE		
	Area (ha)	
All land	886 766	
Agricultural land	839 709	
Cropland	572 646	
Arable land	472 431	
Temporary crops	391 058	
Fallow land	81 062	
Land under protective cover	311	
Permanent crops	100 215	
Permanent meadows and pastures	267 063	
All other land	47 057	

TEMPORARY CROPS		
	Area (ha)	
Fodder crops	20 272	
Maize for grain	162 875	
Melons	4 958	
Poatoes	28 743	
Sunflower	23 838	
Vegetable	30 728	
Wheat	94 685	

MAIN PERMANENT CROPS			
		Compact plantation	Scattered trees
Orchard	Area (ha)	36 988	
	Number of trees	14 354 470	10 705 034
Cherry (including sour)	Area (ha)	588	
	Number of trees	180 642	661 406
Plums	Area (ha)	1 399	
	Number of trees	398 122	1 085 594
Pears	Area (ha)	1 324	
	Number of trees	359 271	1 007 432
Peaches	Area (ha)	3 123	
	Number of trees	1 295 345	628 220
Apples	Area (ha)	11 010	
	Number of trees	2 357 299	1 400 677
Walnuts	Area (ha)	1 022	
	Number of trees	153 287	833 223
Halzenuts	Area (ha)	15 547	
	Number of trees	8 583 715	1 586 765

LIVESTOCK		
	Holdings reporting	Head/units
Cattle	399 943	1 157 781
Buffaloes	15 401	29 541
Sheep	48 969	648 717
Goats	26 493	97 824
Pigs	244 986	489 936
Horses	32 437	38 165
Mules and Asses	11 439	12 792
Rabbits	2 880	15 413
Nutrias	104	649
Beehives	16 272	152 364
All holdings (total poultry)	501 985	9 520 185
Family holdings (total poultry)	501 895	8 615 309
Agricultural enterprises (total poultry)	71	904 607

MACHINERY		
Machines	Number of owning holdings	Units
Tractors	14 581	15 096
Single-axle tractors	19 791	20 537
Harvester -threshers (combines)	1 088	1 181
Lorries	18 526	18 778
Cars	61 101	61 324

GERMANY - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

Beginning with 1949, agricultural censuses have been carried out in Federal Republic of Germany in 1960, 1971, 1979. Since 1975 an agricultural report, based on agriculture structure survey, was also prepared regularly at two-yearly interval. The agricultural census of 1999 followed the 1991 census which was the first carried out in the unified Germany.

Organization

The agricultural census was carried out as per notification of June 1998 issued under amended Agricultural Statistics Law. The amended law envisaged harmonizing definition of thresholds for holding for integrating important surveys, reducing the respondent burden, greater use of representative surveys and administrative data. The Federal Statistical Office undertook the methodological preparation, processing of results, and coordination with the Landers (regions) who in turn carried out the census with the support of municipalities.

Enumeration period

The questionnaire for the main survey were despatched in May 1999 and were followed up to November 1999. The wine-growing survey, which was based on vineyard register, was carried out in 1999.

Reference date/period

- **Crops:** normally the day of the questioning, between January and May 1999.
- **Livestock:** 3rd May 1999
- **Farm labour:** Family labour and permanently employed non-family workers: 4 weeks from 29 March to 25 April 1999, Non-permanently employed workers, including seasonal workers: 12 months before the questioning, from May 1998 to end of April 1999, Family labour, permanently employed workers and non-permanently employed workers: 12 months before the questioning, from May 1998 to end of April 1999, divided into 4 working-time-groups.

Definition

Holding: A holding is a single economic unit having a single management and producing agricultural, forestry and fish products and its scale of operation is above a specified size. The general survey (total) included following groups of holdings: with an area used for agriculture of two hectares or more or a minimum stock of animals (8 bovines, 8 pigs, 20 sheep, 200 laying hens/ broilers/ geese) or producing special crops (0.3 ha of vineyards/ hops/tobacco/tree nurseries/ outdoor flowers/market gardening and cultivation under glass cover/ medicinal plants); holdings with a wooded area of at least 10 ha. The cut-offs applied for 1999 census are higher for cropped land area, wooded land area, area under special crops, and lower for number of sheep as compared to those applied to 1991 census.

Coverage

Geographically, the survey covered the entire territory of the unified Germany.

Frame

The list of holding prepared for 1995 agricultural structure survey was updated on the basis of Farm Register and information from agricultural association.

Method

Agricultural census programme was subdivided into a **general survey** which covered all the agricultural, forestry, market gardening and wine-growing holdings, and **special sample surveys** focused on activities like wine-growing, market gardening, and inland water fishing. In the May 1999 survey programme, the two component of census programme were implemented together. The information on land use, crops, livestock, socio-economic conditions of holding, labour force, tenancy, ownership and succession etc. was collected by 100 percent coverage.

Data source

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

Contact

Statistisches Bundesamt, Gustav, Stresemann, Ring 11, D-65189 Wiesbaden, Germany. Tel.: (+49) 611 752 405;
Fax: (+49) 611 753 330;
E-Mail: Info@Statistik-Bund.de.

Website

<http://www.destatis.de>

GERMANY - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	471 960	19 097 900

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	471 960	19 097 900
without agricultural land	2 070	9 290
0 - 1.99 ha of agricultural area	35 760	54 500
2 - 4.99 ha	79 800	410 020
5 - 9.99 ha	73 950	714 450
10 - 19.99 ha	87 360	1 578 670
20 - 29.99 ha	51 770	1 514 570
30 - 49.99 ha	62 580	2 755 890
50 - 99.99 ha	54 310	4 078 210
>= 100 ha	24 360	7 982 300

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	440 060	-
Other	31 900	-

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total	-	17 151 560
Owned	-	6 224 280
Rented	-	10 766 640
Other forms of tenure	-	160 640

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	440 060	-
Male	401 130	-
Female	38 930	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	440 060	-
< 35 years of age	72 530	-
35 to 44	128 940	-
45 to 54	113 800	-
55 to 64	99 110	-
65 >	25 680	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	940 810	-
Male	588 130	-
Female	352 680	-
Of which, full time:		
Total	231 490	-
Male	202 520	-
Female	28 980	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	195 730	-
Of which, full time:	150 880	-

LAND USE		
	Number of holdings	Area (ha)
All land	471 960	19 097 900
Agricultural land	-	17 151 560
Cropland	-	12 037 760
Arable land	356 510	11 830 080
Of which: kitchen gardens	57 970	8 600
Permanent crops	67 890	207 680
Permanent mead./pastures	371 170	5 113 800
Wood / forest land	246 520	1 496 790
All other land	-	449 550

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	-	2 601 120
Soft wheat	200 160	2 589 100
Durum wheat	1 930	12 020
Rye	57 460	756 920
Barley	239 840	2 210 350
Oats	162 440	695 550
Maize	41 690	370 740
Dry pulses	20 900	212 200
Potatoes	96 170	308 500
Sugarbeets	48 250	489 160
Industrial plants	88 020	1 466 530
Rapeseed and Turnip	78 970	1 198 040
Tobacco	660	4 310
Hops	2 330	18 490
Sunflowerseed	3 610	33 350
Vegetables (in the open)	20 690	101 020

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	237 960	14 895 810
of which: dairy cows	152 650	4 765 140
Sheep	33 980	2 723 660
Pigs	141 450	26 101 030
Chickens, total	-	68 970 000
Broilers	115 120	58 330 000
Laying hens	15 460	10 640 000

GREECE - Agricultural Census 1999/2000 - Explanatory Notes

Historical outline

First census of agriculture and livestock was carried out in 1860. First systematic agricultural census was carried out in 1911. Greece also participated in the 1929 World Census organized by International Institute of Agriculture and the 1950 World Census of Agriculture organized by FAO. From 1961 to 1991 decennial censuses of agriculture and livestock farming were organized parallel with the population censuses. In 1996 a special survey was carried out for updating the register of agricultural and livestock holdings. In order to synchronize the timings of agricultural census with the EU Farm Structure Survey the 1999/2000 census was organized ahead of population census.

Organization

Census was carried out on the basis of a Presidential Decree issued under the law establishing National Statistics service of Greece (NSSG). The Division for Structural Statistics of NSSG in the Ministry of Economy and Finance was responsible for carrying out the census in conjunction with co-responsible departments of NSSG. The division played the lead role in the overall planning of the survey and the data collection and processing was carried out by Statistical Services of 51 prefectures of Greece. Field work was carried out by the municipalities and rural districts by 10 000 enumerators.

Enumeration period

The updating of list of holdings was carried out during September to November 1999. The actual taking of census was carried out during December 1999 to February 2000.

Reference date/period

The livestock numbers refer to 1 November 1999. The stock of farm-owned machinery was 30 September 1999. The data on crops relate to the period from 1 September 1998 to 30 September 1999.

Definition

Holding - A holding is a single unit, both technically and economically, having a single management and producing agricultural products. The survey covered holdings above the threshold of:

- at least 0.1 ha of utilized land or 0.05 ha of green houses; or owning one or more cows or two more large animals (oxen, horses, donkeys, mules) or 5 or more small animals (sheep, goat, pigs) or fifty or more poultry or 20 or more hives.

Coverage

The census was carried out in all the municipalities and rural districts of Greece, and the agricultural and livestock holdings which qualified the coverage criteria were covered. Statistically, the survey covered all agricultural, livestock and mixed holding which satisfied the following criteria:

- made use of at least 0.1 ha of utilized land or 0.05 ha of green houses; or
- owns one or more cows or two more large animals (oxen, horses, donkeys, mules) or 5 or more small animals (sheep, goat, pigs) or fifty or more poultry or 20 or more hives.

Frame

The census was carried out on the basis of a Register of Agricultural and Livestock Holdings as it stood following the special updating survey conducted in 1996. This register was updated by door-to-door enquiry from dwellings located in each census section to prepare a nominative list of holdings (frame) to be surveyed for obtaining the detailed information. Cartographic material was used to ensure that the no part of the territory is excluded.

Method

The census was a complete enumeration of all holdings which satisfied the threshold criteria. Face to face interviews of occupiers of holdings were conducted by trained enumerators (10 000 persons) to obtain data on the main census questionnaire. Working groups at national, prefecture and municipal/district level were constituted with specific responsibilities for smooth conduct of census. Data quality checks were applied at all stages of data collection, inputting and processing.

Data source

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

Contact

National Statistical Office, Division of Structural Statistics, Lycourgon St., Athens, 10166, Greece.

Tel.: (+30) 210 485 2022, (+30) 210 485 2307; Fax. (+30) 210 485 2312; E-mail: data.dissem@statistics.gr.

Website

<http://www.statistics.gr>

GREECE - Agricultural Census 1999/2000 - Main Results

NUMBER AND TOTAL AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	817 060	3 875 180

NUMBER AND TOTAL AREA OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	817 060	3 875 180
Holdings without agric. land	5 740	2 020
0 - 2 ha of agricultural area	394 950	440 020
2 - 5 ha	226 500	797 380
5 - 10 ha	109 000	791 000
10 - 20 ha	52 670	739 860
20 - 30 ha	14 490	352 400
30 - 50 ha	9 430	355 580
50 - 100 ha	3 350	225 720
>= 100 ha	930	171 200

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil Persons	816 530	-
Other	530	-

TENURE OF AGRICULTURAL LAND		
		Agricultural Area (ha)
Total	-	3 583 190
Owned	-	2 518 970
Rented	-	993 640
Other forms of tenure	-	70 580

HOLDERS (INDIVIDUALS) BY SEX		
	Number of holders	
Total	816 530	-
Male	611 390	-
Female	205 140	-

HOLDERS (INDIVIDUALS) BY AGE		
	Number of holders	
Total	816 530	-
< 35 years of age	71 250	-
35 to 44	125 550	-
45 to 54	164 980	-
55 to 64	201 290	-
65 >	253 460	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	1 420 790	-
Male	828 420	-
Female	592 370	-
Of which, full time:		
Total	142 000	-
Male	105 670	-
Female	36 340	-

HIRED PERMANENT WORKERS		
	Number of workers	
Total	10 470	-
Of which, full time:	5 920	-

LAND USE		
	Number of holdings	Area (ha)
All land	817 060	3 875 180
Agricultural land	-	3 583 190
Cropland	-	2 977 910
Arable land	431 220	1 976 290
of which: kitchen gardens	204 020	10 820
Permanent crops	596 860	1 001 620
Permanent mead./pastures	79 580	605 280
Wood / forest land	11 260	35 280
All other land	-	256 710

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	-	744 610
Soft wheat	59 400	157 420
Durum wheat	128 370	587 190
Rye	8 730	19 210
Barley	52 910	98 000
Oats	35 790	60 840
Maize	93 900	183 320
Dry pulses	22 440	12 020
Potatoes	49 710	20 080
Sugarbeets	17 390	32 880
Industrial plants	132 350	476 360
Tobacco	51 610	56 230
Cotton	78 370	382 800
Sunflowerseed	10 310	34 840
Soybeans	40	100
Vegetables (grown in the open)	59 110	57 540

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Citrus fruits	79 090	47 200
Olives	491 630	737 160
Grapes	171 270	97 570

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	28 330	652 390
of which: dairy cows	12 060	153 790
Sheep	128 550	8 752 670
Goats	138 250	5 327 200
Pigs	36 250	969 850
Chickens, total	-	38 320 000
Broilers	133 230	26 100 000
Laying hens	310 550	12 220 000

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

GUADELOUPE - Agricultural Census 2000 - Explanatory Notes

Guadeloupe is part of the French Territory and it is only for statistical purposes that it is recorded as a separate entity in the North and Central American Region. Consequently, results related to France bear only to the territory of France in Europe (France Metropolitaine).

Historical outline

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

Organization

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

Enumeration period

The enumeration period was October 2000 to January 2001.

Reference date/period

Livestock numbers refer to all animals present on the holding on the day of enumeration. Land use refers to the period during 1 November 1999 to 31 October 2000.

Definition

- **Exploitation Agricole** (Agricultural holding): 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, or
 - 20 acres (1 acre = 0.40469 ha) of specialized crops, or
 - threshold level of agricultural production, estimated either in terms of productive area (e.g. 10 acres of bananas of export varieties, 10 acres of sugarcane etc.) or in terms of number of animals (e.g. 10 cows, 10 bee-hives etc.).
- **Le Siège de l'exploitation** (Holding's headquarters): The place where the holding is located, consisting of holding's main buildings or, 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 engaged in agricultural activity on the holding.

Coverage

The census covered the entire country.

Frame

In a first stage, a 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 office.

Method

Complete enumeration of all holdings was conducted through direct interviews.

Data source

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

Contact

- Direction de l'Agriculture et de la Forêt. Service de Statistique Agricole. Jardin botanique Circonvallation.
Tel.: (+33) 590 990 908 ; Fax: (+33) 590 990 920; E-mail: daf971@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.gouv.fr>

GUADELOUPE - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	12 160	41 700

EMPLOYMENT IN AGRICULTURE	
	Number of workers
Hired permanent workers	5 130

LAND USE	
	Area (ha)
Agricultural land	41 700
of which irrigated	5 500

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Sugarcane	7 591	14 060
Flowers	113	180

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Bananas	2 888	5 010
Pineapples	459	240

LIVESTOCK	
	Head/units
Cattle	65 000
Pigs	26 420
Sheep	3 690
Goats	33 880
Chickens	427 660
Beehives	1 850

GUAM - Agricultural Census 2002 - Explanatory Notes

Historical outline

For more than 150 years the U.S. Department of Commerce, Bureau of the Census, was in charge of conducting the Census of Agriculture in the United States and, consequently, in the Outlying Areas (*i.e. The Virgin Islands of the U.S., Guam, American Samoa and Northern Mariana Islands*). This responsibility was transferred in 1997 to the National Agricultural Statistics Service (NASS) of the U.S. Department of Agriculture (USDA). The first agricultural census of Guam was taken by the US Secretary of Commerce in 1920. The second was taken in 1930 in conjunction with the decennial census, a practice that continued every 10 years through 1960. In 1964 the first Census of Agriculture in the series of quinquennial (*five-year*) censuses in Guam was carried out. Next censuses were conducted in 1978 and 1982 in order to adjust the data-reference year to coincide with other economic censuses. After 1982, the agriculture census reverted to a 5-year cycle for the years ending in 2 and 7. The 2002 census of agriculture, to which data here refer, is the 14th taken in Guam and the second conducted by NASS in Guam.

Organization

Census data were collected in accordance with a Memorandum of Understanding approved by the Administrator of NASS, and by the Commissioner of Agriculture of Guam. It was conducted with the cooperation and assistance of Guam Department of Agriculture.

Enumeration period

Data were collected during the spring season of 2003.

Reference date/period

Inventories of livestock, poultry, machinery and equipment were the numbers on hand at the time of enumeration. Crop production, crop and livestock sales and expense data were those belonging to the 12- months period between 1 January and 31 December 2002.

Definition

"Farms and Operations" were the agricultural holdings from which \$ 1 000 and more of agricultural products were produced and sold, or normally would have been sold, during the reference year.

Coverage

The census covered the entire island of Guam.

Frame

Enumeration was based on a list of farm operators compiled by the Guam Department of Agriculture.

Method

Complete enumeration of all holdings qualifying as farms according to the census definition was carried out. Direct interview of farm operators were conducted. If the person listed in the frame was no more operating his/her farm, the enumerator recorded whether the land had been sold or rented to someone else, and if it was still being used for agriculture. If the land was sold or rented out, the enumerator got the name of the new operator and contacted that person in order to ensure that he/she was included in the census.

Data source

Census of Agriculture 2002, Vol.1, Geographic Area Series, Part 53 September 2004. United States Department of Agriculture (USDA), National Agricultural Statistics Service (NASS), Guam.

Contact

- United States Department of Agriculture (USDA), or National Agricultural Statistics Service (NASS), 1400 Independence Ave, S.W. Washington, DC 20250. E-mail: nass@nass.usda.gov.
- Department of Agriculture, 163 Dairy Road Mangilao, Guam 96913. Tel.: (+1) 671 735 3942; Fax: (+1) 671 734 6569.

Website

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

GUAM - Agricultural Census 2002 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	153	667

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area of holdings (ha)
Total	153	667
Under 0.4 ha	16	3
0.4 - 1.2 ha	38	21
1.2 - 2 ha	16	21
2 - 3.2 ha	21	47
3.2 - 4 ha	11	37
4 - 8.1 ha	27	127
8.1 - 16.2 ha	17	168
16.2 - 20.2 ha	-	-
20.2 and over	7	243

HOLDERS BY AGE		Number of holders
Total		153
under 35 years		3
35 to 44 years		19
45 to 54 years		49
55 to 64 years		43
65 years and over		39

HOLDERS BY MAINTYPE OF ACTIVITY		Number of holders
Total holders		153
Engaged in:		
Agricultural work on the holding		134
Work off the holding		19

HIRED PERMANENT WORKERS		
	Holdings reporting	Number of workers
Total	34	94

LEGAL STATUS		Holdings
Total		153
One individual		135
2 or more individuals		11
Corporation		7

AREA BY TENURE		Area (ha)
Total		667
Area owned		287
Area rented		380

LAND USE		Area (ha)
Total land		667
Agricultural land		589
Cropland		498
Harvested cropland		302
Other cropland		196
Land under permanent meadows and past.		91
All other land		78

IRRIGATION		Area (ha)
Area irrigated		312

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Watermelons	19	71
Okra	35	10
Cucumbers	51	41
Cantaloupes	3	6
Eggplant	85	27
Hot peppers	52	6
Maize	8	8
Taro (cocoyam)	30	6
Tomatoes	44	8
Chinese cabbage	22	8
Yams	11	2
Cassava	15	4
Sweet potatoes	25	15
Pumpkins & Squash	34	11

PERMANENT CROPS		
	Holdings reporting	Number of trees
Avocados	6	82
Bananas	51	28 144
Betelnuts	15	1 625
Breadfruit	5	140
Guavas	8	159
Coconut	8	1 241
Lemons/Limes	26	3 449
Starfruit	5	30
Mangoes	9	275
Oranges	1	-
Papayas	25	3 963
Soursops	5	99
Sweetsoups	11	272

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	12	154
Pigs	34	654
Goats	6	81
Horses	1	4
Chickens	-	2 703
Ducks	11	450
Pigeons	1	7
Carabaos	8	97

MACHINERY/EQUIPMENT		
	Holdings	Units
Tractors	86	138
Trucks	143	213

GUATEMALA - Agricultural Census 2003 - Explanatory Notes

Historical outline

The first National Census of Agriculture (I Censo Nacional Agropecuario [CENAGRO]) was conducted in Guatemala in 1950. The second and third CENAGRO were carried out in 1964 and 1979. CENAGRO 2003 was the fourth agriculture census in the country.

Organization

The National Statistical Institute (INE) of Guatemala was the responsible office for development of the Integrated Project for National Censuses, which included, in addition to the 4th National Census of Agriculture (IV CENAGRO), presented here also the 9th Population Census and the 6th Housing Census. Other government agencies and institutions collaborated at national and local level with INE in the organization and conducting of the Census of Agriculture; the principal partner being the Ministry of Agriculture, Livestock and Food (MAGA). Food and Agriculture Organization of the United Nations (FAO) provided technical assistance.

Enumeration period

The Enumeration was conducted during 4 – 31 May 2003.

Reference date/period

- **The day of the interview** (one day between 4 and 31 of May 2003): for items like general characteristics of holding, fragmentation, legal status, tenure, land use, number of large and medium livestock, poultry, rabbits, bee-hives, machinery and equipment present on the holding.
- **The day before the interview**: for number of pregnant cows, sheep and goats and for milk and egg production.
- **The agricultural year** (1 May to 30 April) 2002/03: for area harvested and production of temporary crops; area planted, harvested and production of permanent and semi-permanent crops; use of fertilizers; cattle births and deaths; honey and wax production; technical and financial assistance to holders; machinery and equipment used on the holding; employment on the holding during the agricultural year.

Definition

Finca Censal: All land owned or rented totally or partially by the holder and kept for agricultural production. It may consist of one or more parcels, if located in the same municipality and managed by one or more individuals or juridical persons sharing the same production means.

Coverage

The IV CENAGRO covered the entire country, excluding some areas, like in the Municipality of Andrés Sajcabajá, Department of Quiché, where insecurity problems arose. 90.2 percent of all agricultural holdings and 89.9 percent of holders were covered.

Frame

On the occasion of the complete census, the existing lists of agricultural holdings are refreshed and kept updated. This was a basic exercise to build a sampling frame for inter-censal agricultural surveys.

Method

Prior to start of main census operations, a Pilot Census was conducted during 27 to 29 January 2003 in six municipalities, in order to test the quality of census preparations. Then, complete enumeration of agricultural holdings was carried out through a direct interview.

Data source

VI Censo Nacional Agropecuario, Características Generales de las Fincas Censales y de Productoras y Productores Agropecuarios, Resultados Definitivos, Tomo I Enero 2004. Guatemala.

Contact

Instituto Nacional de Estadística (INE), Oficinas Centrales y Centro de Información Dirección, 8a calle 9-55 z.1, Ciudad de Guatemala. Tel.: (+502) 223 228 70, (+502) 223 231 88.

Website

<http://www.ine.gob.gt/index.php/agricultura>

GUATEMALA - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	830 684	3 750 855

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	830 684	3 750 855
0.4 - 0.7 ha	375 708	121 655
0.7 - 1.4 ha	185 196	170 976
1.4 - 3.5 ha	157 681	317 124
3.5 - 7.1 ha	46 099	210 296
7.1 - 22.6 ha	39 599	475 998
22.6 - 45.2 ha	10 929	332 138
45.2 - 452 ha	14 593	1 299 209
452 - 903.2 ha	610	361 983
903.2 - 2258 ha	222	284 784
2258 - 4516 ha	37	114 187
4516 - 9032 ha	9	50 973
9032 ha and over	1	11 530

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	830 684	3 750 855
Civil person	815 456	3 221 226
Corporation	1 391	410 951
Cooperative	6 274	68 145
Government	4 632	28 928
Others	2 931	21 605

HOLDINGS BY TENURE		
	Number of holdings	Area (ha)
Total	830 684	3 750 855
Under one form of ten.	717 620	3 416 853
Owned	610 691	3 122 942
Rented	81 744	190 304
Other single forms	25 185	103 607
More than one form of t.	113 064	334 002

HOLDERS BY SEX		Number of holders
Total		819 162
Male		755 535
Female		63 627

HOLDERS BY AGE		Number of holders
Total holders reporting		654 441
Under 18 year		1 538
18 to 24 years		46 490
25 to 34 years		144 763
35 to 44 years		167 812
45 to 54 years		133 680
55 to 64 years		85 135
65 years and over		75 023
Holders not reporting age		164 721

LAND USE		
	Number of holdings	Area (ha)
All land	830 796	3 748 037
Agricultural land		2 949 325
Cropland		2 051 313
Arable land	767 798	1 426 698
Permanent crops	209 979	624 615
Perm. mead./past.	54 330	898 012
Wood/forest land	104 184	606 987
All other land	272 736	191 725

TEMPORARY CROPS		
	Holdings reporting	Area harvested (ha)
Maize (white)	589 377	565 108
Maize (yellow)	190 622	90 474
Maize (other)	18 495	5 068
Sorghum	21 266	26 248
Sorghum for silage	27	381
Wheat	4 870	1 442
Rice	2 756	4 773
Potatoes	26 984	6 813
Sesame seed	7 018	16 906
Groundnuts	2 830	1 829
Black beans	292 961	210 435
Broad beans	19 052	6 758
Tobacco	732	2 477
Ayote (Cucurbita Pepo)	14 659	7 240
Onions	4 997	1 346
Melons	108	5 593
Cucumbers	552	421
Beets	1 467	287
Chinese Cabbage	2 450	576
Watermelons	713	1 475
Tomatoes	5 398	3 438
Carrots	4 098	917

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Avocados	57 876	5 595
Bananas	68 948	23 695
Cocoa	9 172	2 719
Coffee	171 334	270 049
Sugarcane	14 092	189 459
Cardamon	57 434	46 647
Plums and prunes	11 394	1 189
Peaches	53 059	3 095
Flowers/Ornamental plants	4 705	2 411
Chayote (Sechium edule)	4 144	1 235
Rubber	987	38 609
Lemons	40 773	5 451
Macadamia nuts	350	3 043
Mangoes	42 426	8 605
Apples	29 599	3 184
Oranges	60 280	5 363
Oil palm	49	31 299
Papayas	5 678	1 005
Pineapples	7 560	2 379
Plantains	14 879	11 992

LIVESTOCK		
	Number of holdings reporting	Head/units
Cattle	106 789	1 627 522
Buffaloes	95	1 948
Sheep	39 080	313 504
Goats	9 673	50 152
Vicuñas, Guanacos, Alpacas, Llamas, Total	3 233	27 178
Pigs	110 861	419 170
Horses	87 608	160 813
Mules	31 995	47 624
Asses	7 127	10 238
Chickens, Cocks, Pullets	229 379	21 518 212
Quails	1 203	91 701
Ducks	54 428	296 148
Turkeys	83 572	338 743
Rabbits	6 905	37 125
Beehives	4 608	60 039

GUINEA - Agricultural Census 2000/01 - Explanatory Notes

Historical outline

Data presented here refer to the second Agricultural Census in Guinea, conducted during the year 2000/01. Prior to this one, Guinea had conducted another census during the year 1988/89.

Organization

The Census has been organized by the "Ministère de l'Agriculture, de l'Elevage, des Eaux et Forêts, Services National de Statistiques Agricoles".

Reference date/period

For data on population, agricultural exploitation and parcels the reference period is January to March 2003. For data on land, agricultural production, agricultural materials and labour the reference period is from June to August 2003. For data on modern sector, the reference period is from November to December 2003.

Definition

- **Traditional holdings:** traditional or individual holdings correspond to management or agricultural families working in agricultural sector using traditional factors of production usually used in the zone.
- **Modern holdings (or "large holdings")** one section or the units of agricultural, breeding, forest or fishing production using production factors which allow them to reach important production volumes.
- **Parcel:** an isolated part of a holding land, managed by a single holder, corresponding to a field or to a field section in which is produced a single culture or an association of cultures.

Coverage

The second Agricultural Census in Guinea has covered the different components of the agriculture sector in the country, including:

- The rural sector and the urban sector;
- The traditional sector (both individual and collective holdings);
- The modern sector and the large holdings sector.

Frame

The sampling was based on enumeration zones as primary units established by the 1996 General Census of Population and Environment. For any primary unit, a system of regions and prefectures was used as a frame, including the urban and rural areas. The number of the households, the total number of inhabitants of which the total number of the women were also considered for establishing primary units.

Method

Due to the difficulties involved in an exhaustive enumeration of the Guinean agriculture, the National Agricultural Census was taken as a sample-census. Therefore, it is considered as a widening of the Permanent Agricultural Inquiry, at both at the level of sampling fractions and variables covered. The survey method involved random sampling. A prefecture was considered as belonging to only one administrative area. The survey plan considered prefectures as layers or basic administrative subdivisions for the collection of data.

Data source

Recensement National de l'Agriculture, Campagne agricole 2000/01, Mai 2004. Ministère de l'Agriculture, de l'Elevage, des Eaux et des Forêts, Service National des Statistiques Agricoles, République de Guinée.

Contact

Direction Nationale de la Statistique, Boulevard du Commerce B.P. 221 Conakry, République de Guinée.
Tel.: (+224) 414 972, (+224) 30 41 45 67;
E-mail: dnstat@afribone.net.gn, dnstat@biasy.net.

Website

<http://www.stat-guinee.org>

GUINEA - Agricultural Census 2000/01 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Cultivated area (ha)
Total	840 454	1 370 145
Of which irrigated	-	28 325

CULTIVATED AREA BY SIZE OF PLOT (PARCELLE)		
	Number of holdings	Cultivated area (ha)
Total cultivated area	-	1 370 145
Under 0.1 ha	-	14 498
0.1 and under 0.2 ha	-	56 124
0.2 and under 0.3 ha	-	73 408
0.3 and under 0.5 ha	-	161 610
0.5 and under 0.75 ha	-	208 388
0.75 and under 1 ha	-	174 976
1 and under 1.5 ha	-	247 814
1.5 and under 2 ha	-	135 876
2 and under 3 ha	-	133 254
3 and under 5 ha	-	104 816
5 ha and over	-	59 381

HOLDERS BY SEX		
	Number of holders	
Total	840 454	-
Male	792 892	-
Female	47 562	-

HOLDER'S HOUSEHOLD MEMBERS BY SEX		
	Number of persons	
Total	6 364 790	-
Male	3 080 251	-
Female	3 284 539	-

HOLDER'S HOUSEHOLD MEMBERS BY AGE		
	Number of persons	
Total	6 364 790	-
Under 5 years of age	984 272	-
5 to 9	1 184 191	-
10 - 14	801 733	-
15 - 24	988 938	-
25 - 34	777 926	-
35 - 44	626 351	-
45 - 54	455 788	-
55 - 64	294 565	-

HOLDINGS BY NUMBER OF HIRED WORKERS EMPLOYED		
	Number of holdings	
Total number	840 454	-
with hired workers, total	47 135	-
less than 5 workers	6 738	-
5 to 9 workers	23 788	-
10 to 19 workers	14 921	-
20 workers and more	1 688	-

HIRED PERMANENT WORKERS		
	Number of holdings	
Total	73 448	-
Male	68 582	-
Female	4 866	-

HOLDINGS BY NUMBER OF HOLDER'S HOUSEHOLD MEMBERS		
	Number of holdings	
Total number	840 454	-
Holdings with:		
Less than 5 persons	192 890	-
5 to 9 persons	440 981	-
10 to 19 persons	189 159	-
20 persons and more	17 424	-

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Rice		665 638
Fonio		162 224
Sorghum		30 470
Millet		117 362
Maize		231 220
Groundnuts		153 427
Niébé/Beans/Voandzou		6 578
Cassava (Manioc)		123 793
Yams		3 143
Potatoes		45 524
Potatoes		28 147
Potatoes		19 819

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Mangoes	-	28 163
Oranges	-	9 152
Bananas	-	4 488
Avocados	-	1 424
Citrus fruits	-	788
Guavas	-	3 806
Coffee	-	77 503
Cocoa	-	3 063
Oil Palm	-	11 548
Rubber (Hevea)	-	2 017
Cashew nuts	-	15 065
Cashew nuts	-	6 557
Cashew nuts	-	649
Cashew nuts	-	485

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	-	4 019 583
Sheep	-	1 874 520
Goats	-	2 428 759
Pigs	-	252 306
Horses	-	650
Asses	-	3 878
Poultry, total	-	6 218 649

MACHINERY		
	Holdings reporting	Units
Tractors	-	5 388
Single-axle tractors	-	65
Seed drills, animal operated	-	858
Dusters, hand operated	-	8 207
Dusters, power operated	-	733
Harrows, animal operated	-	42 767
Harrows, power operated	-	5 388
Motor-pumps	-	1 703

USE OF FERTILIZERS AND PESTICIDES		
		Cultivated area (ha)
Total Cultivated Area	-	1 370 145
Fertilizers		
Area fertilized with:		
Organic manure	-	107 580
Nitrogenous fertil.	-	26 724
Phosphate fertil.	-	6 786
Potash fertil.	-	5 508
Complex fertil. (N+Ph+P)	-	68 380
Pesticides		45 233

HUNGARY - Agricultural Census 2000 - Explanatory Notes

Historical outline

The 2000 Agricultural Census was the sixth census conducted in Hungary, including those in 1972, 1981, 1991.

Organization

The 2000 Agricultural Census was organized and conducted by the Agricultural Statistics Department of Hungarian Central Statistical Office (HCSO) in compliance with the Act XLVI of 1999.

Enumeration period

The enumeration took place during 1 – 21 April 2000.

Reference date/period

Reference date for land use, crops and livestock was 31 March 2000, while for agricultural services and intensive horticultural activities the reference period was the 12 months preceding the census date.

Definition

- **Agricultural holding:** An independent unit, both technically and economically, engaged in agricultural activity, having a single management and on 31 March 2000:
 - Cultivating at least 1 500 square meters of each or any combination of arable land, kitchen garden, orchard, vineyard, meadows and pastures, forest, fish pond or reed; or
 - Keeping at least one head of large livestock (cattle, pig, horse, sheep, goat, donkey, mule or ostrich) or a stock of 50 hens or other poultry (geese, ducks, turkeys or guinea fowls) or a stock of 25 rabbits, fur-bearing animals or pigeons for meat; or
 - Having performed, during the 12 months previous to census date, agricultural services or intensive horticultural activities (production under glass or plastic cover).

Coverage

The census covered the entire country. All enterprises and state farms as well as small scale producers and private farms reaching the threshold were included. Households under the threshold were excluded; however, the data regarding their utilization of productive land area, irrespective of land use categories, were collected and disseminated by municipality. The kitchen gardens around houses or in resort areas were considered as non-significant agricultural activities.

Frame

The number of households to be investigated was defined by the 1990 Census of Population and Dwellings. For census purposes all the statistical planning regions, the counties and the statistical small districts were defined in accordance with the Nomenclature for Territorial Units for EUROSTAT Statistics (NUTS): comprising Regions (7); Counties (19 plus the Capital); the Agricultural Small Regions (150); the Municipalities (3 131).

Method

In the frame of the census 2.1 million households, more than 60 percent of the total, were visited by enumerators. Nearly 960 000 reached the threshold and were considered on a representative sample base. 835 000 utilized less land area and/or kept less livestock than defined by the threshold and 300 000 were not engaged in any agricultural activity. In the sector of enterprises, i.e. cooperatives, share companies and other units with legal entity, 8 200 were engaged in some kind of agricultural activity. These organizations were investigated by mail.

Data source

Land Use in Hungary, data by settlements (Vol. I), Budapest 2000; Livestock in Hungary, 31 March 2000, data by settlement (Vol. II), Budapest 2000; Agriculture in Hungary 2000, summary data (Vol. III), Budapest 2002. Hungarian Central Statistical Office, Agricultural Statistics Department.

Contact

Hungarian Central Statistical Office, Information Section: 1024 Budapest, Fényes Elek Str. 14-18. Groundfloor, 1525 Budapest, P.O. Box 51, Hungary. Tel.: (+36) 1 345 6789; Fax: (+36) 1 345 6788; E-mail: erzsebet.veto@office.ksh.hu.

Website

<http://portal.ksh.hu/portal>

HUNGARY - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area of holdings (ha)
Total	966 916	6 448 000

NUMBER AND AREA OF HOLDINGS BY SIZE OF PRODUCTIVE LAND		
	Number of holdings	
Total	966 916	-
< 10 ha	260 987	-
10 - 50 ha	313 625	-
50 - 100 ha	108 278	-
100 - 300 ha	185 748	-
300 - 500 ha	44 512	-
500 - 1 000 ha	45 738	-
1 000 - 5 000 ha	6 011	-
5 000 -10 000 ha	1 967	-
10 000 ha >	50	-

HOLDERS BY SEX		
	Number of holders	
Total	958 534	-
Male	729 373	-
Female	229 161	-

HOLDERS AND HOUSEHOLD MEMBERS		
	Number of persons	
Total	2 648 400	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	1 982 679	-

LAND USE		
		Area (ha)
All land	-	6 448 000
Agricultural land	-	4 655 166
Cropland	-	4 051 005
Permanent mead./pastures	-	604 161
Wood / forest land	-	1 766 854
All other land	-	25 980

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	52 182	850 442
Sheep	25 094	1 287 324
Pigs	484 527	5 050 510
Horses	38 079	80 555
Chickens	596 988	42 418 987

INDIA - Agricultural Census 2000/01 & Livestock Census 2003 - Expl. Notes

Historical outline

India participated in the World Census of Agriculture Programme (WCA) in 1930, 1950 and 1960 through sample surveys carried out by the Directorate of National Sample Survey. The 1970/71 Census is considered the first comprehensive Census of Agriculture conducted in the country. Agricultural censuses were successively undertaken in: 1976/77, 1980/81, 1985/86, 1990/91, 1995/96, and the one here reported, 2000/01. Data on livestock presented here refer to the 17th Livestock Census conducted in 2003.

Organization

The national Agriculture Census was planned and financed by the Agricultural Census Division of the Department of Agriculture and Cooperation (DAC), in the Ministry of Agriculture (MOA). Each State and Union Territory (provinces) implemented census operations through their technical units.

The government officials responsible for land administration in about 600 thousand villages carried the enumeration for the agricultural census in their own official language. The 17th Livestock Census was performed through the Dept. of Animal Husbandry & Dairying of MOA.

Reference date/period

For Livestock Census: 15 October 2003. For Agricultural Census: from July 2000 to June 2001.

Definition

Operational Holding (the statistical unit): is defined as all land wholly or partly used for agricultural (crop) production and operated as one technical unit by one person, alone or with others, without regard to title, legal form, size or location.

Coverage

Agriculture Census 2000/01 was not conducted in the States of Bihar, Jharkhand and Meghalaya. An estimate for important parameters was done for missing states based on previous census. For the 17th Livestock Census data from two districts of the State of Bihar, were not available by the time of the publication of this report and, consequently, statistical projections were used to prepare national estimates.

Frame

In the States where the Revenue Agency maintains the records of ownership of land and seasonal crop inquiries are carried out, such records are used to prepare the frame of agricultural holdings for the census. In States and UTs where land records do not exist, a list of households holding land is prepared in 20 percent of the villages which represent the sample for the agricultural census.

Method

- The **Agriculture (crop) Census** was carried out in three phases. During **Phase-1**, a list of all holdings with general information on primary characteristics like area, gender, social group of the holder and location code, was prepared; Phase-1 was carried out for all agricultural operational holdings of the country. During **Phase-2**, only 20 percent of the villages in each Tehsil were selected and detailed information on aspects such tenancy, land use, irrigation, cropping pattern of all the operational holdings in the selected villages was collected from all holdings. **Phase-3**, known as Input Survey, relates to use of inputs across various crops, regions and size groups of holdings. A stratified two-stage sampling design was applied, with the **village** at first stage and the **holding** at second stage unit for the survey.
- The **Livestock Census** was a complete enumeration exercise.

Data sources

- All India Report on Agriculture Census 2000/01. Government of India, Ministry of Agriculture, Department of Agriculture & Co-operation, New Delhi 2008, India.
- 17th Livestock Census 2003, Release of the 17th Livestock Census Data by Hon'ble Minister of Agriculture (19 January 2005) from the website, India.

Contact

Agricultural Census Division, Department of Agriculture and Co-operation, Krishi Bhawan, New Delhi 110 001, India.
Tel.: (+91) 11 233 827 58, (+91) 11 233 832 30; Fax: (+91) 11 233 825 23;
E-mail: agcensus@krishi.delhi.nic.in.

Website

<http://www.daht.nic.in> (for livestock census) and <http://agricoop.nic.in> (for agriculture census)

INDIA - Agricultural Census 2000/01 & Livestock Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	119 894 000	159 394 000

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total	119 894 000	159 394 000
Under 0.5 ha	51 243 000	12 329 000
0.5 and under 1 ha	24 147 000	17 477 000
1 and under 2 ha	22 687 000	32 129 000
2 and under 3 ha	9 545 000	22 854 000
3 and under 4 ha	4 469 000	15 320 000
4 and under 5 ha	2 625 000	11 614 000
5 and under 7.5 ha	2 827 000	17 039 000
7.5 and under 10 ha	1 121 000	9 540 000
10 and under 20 ha	1 004 000	13 220 000
20 ha and over	226 000	7 872 000

HOLDERS BY SEX		
	Number of holders	
Total	119 894 000	
Male	106 634 000	
Female	12 987 000	

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	119 894 000	159 394 000
An individual or an household	103 910 000	132 378 000
Two or more individ./household	15 712 000	25 211 000
Institutions	272 000	1 805 000

TENURE OF LAND		
	Number of holdings	Area (ha)
Holdings with land, total	108 105 000	152 369 000
Under one form of tenure	105 700 000	148 465 000
Owned	105 039 000	147 753 000
Rented from others	363 000	470 000
For fixed money	-	232 000
For fixed produce	-	54 000
For share of produce	-	139 000
For usufructuary mortgage	-	9 000
Under other terms	-	36 000
Other single forms of tenure	298 000	243 000
More than one form of ten.	2 405 000	3 903 000
Area owned	-	2 589 000
Area rented from others	-	911 000
For fixed money	-	181 000
For fixed produce	-	92 000
For share of produce	-	580 000
For usufructuary mortgage	-	21 000
Under other terms	-	37 000
Area under other forms of tenure	-	403 000

LAND USE		
	Number of holdings	Area (ha)
Holdings with land, total	108 105 000	152 369 000
Arable land	-	143 978 000
Temporary crops	-	132 641 000
Temporarily fallow	-	11 337 000
Uncultivated but potentially productive land	-	6 530 000
Unproductive land	-	1 861 000

IRRIGATION		
	Number of holdings	Area (ha)
Holdings with land, total	108 105 000	152 369 000
Holdings irrigated	52 562 000	51 610 000
Fully irrigated	39 658 000	40 592 000
Partly irrigated	12 907 000	24 467 000
Of which irrigated area	-	11 018 000
Fully unirrigated	50 176 000	67 581 000

MAIN TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Cereals, total	-	97 977 000
Area irrigated	-	48 491 000
Paddy rice	46 810 000	43 116 000
Area irrigated	-	23 606 000
Jowar (Sorghum)	10 590 000	10 230 000
Area irrigated	-	836 000
Bajra (Millet)	8 172 000	10 889 000
Area irrigated	-	1 085 000
Maize	10 470 000	6 277 000
Area irrigated	-	1 170 000
Ragi (Finger millet)	2 953 000	1 707 000
Area irrigated	-	108 000
Wheat	26 258 000	23 962 000
Area irrigated	-	21 178 000
Pulses, total	-	16 618 000
Area irrigated	-	2 476 000
Gram	4 571 000	4 533 000
Area irrigated	-	1 381 000
Tur	8 023 000	3 620 000
Area irrigated	-	268 000
Urad	4 262 000	2 235 000
Area irrigated	-	98 000
Sugarcane	5 799 000	4 466 000
Area irrigated	-	4 103 000
Spices, total	-	2 009 000
Area irrigated	-	1 061 000
Vegetables, total	-	3 548 000
Area irrigated	-	2 197 000
Groundnut	5 714 000	6 060 000
Area irrigated	-	717 000
Oilseed, total	-	21 145 000
Area irrigated	-	4 613 000
Castorseed	867 000	926 000
Area irrigated	-	248 000
Sesame seed	1 945 000	1 212 000
Area irrigated	-	160 000
Rapeseed, Mustardseed	5 078 000	3 497 000
Area irrigated	-	2 593 000
Soybeans	4 443 000	6 689 000
Area irrigated	-	135 000
Fibers, total	-	10 187 000
Area irrigated	-	2 910 000
Cotton	6 255 000	9 054 000
Area irrigated	-	2 408 000
Jute	2 093 000	937 000
Area irrigated	-	435 000

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Tea	118 000	415 000
Area irrigated	-	78 000
Coffee	566 000	303 000
Area irrigated	-	11 000
Coconut	7 723 000	1 211 000
Area irrigated	-	510 000
Rubber	832 000	355 000
Area irrigated	-	3 000

LIVESTOCK		Number of head
Cattle		187 382 000
Buffaloes		96 616 000
Mithuns (Bovine)		281 000
Sheep		61 789 000
Goats		120 097 000
Pigs		14 142 000
Camels		635 000
Horses & Ponies		788 000
Mules		311 000
Asses		665 000
Poultry		440 696 000

INDONESIA - Agricultural Census 2003 - Explanatory Notes

Historical outline

Five Agricultural Censuses were conducted in Indonesia in 1963, 1973, 1983, 1993 and in 2003, to which data presented here refer.

Organization

The census was conducted by Badan Pusat Statistik (BPS-Statistics) Indonesia, which was the responsible Office for technical and administrative matters, including planning, organization, fieldwork, data processing, presentation and analysis of results. A technical team was formed, consisting of statisticians and agricultural experts from BPS and from other agencies such as the Ministry of Agriculture, the National Planning Board and the Universities of Indonesia. The technical team was charged with the selection of census items, the review of concepts and definitions, and the design of census methodology and questionnaires.

Enumeration period

Due to the large scope of data collection, activities in the 2003 Agricultural Census were carried out during the period 1 September 2002 to 31 August 2003.

Reference date/period

Reference date, depending on census items, was either the day of interview or the one year period preceding the enumeration day.

Definition

Household Agricultural Holding: A household categorized as an agricultural holding if one or more of the members of household do at least one of the following activities: cultivates crops (rice, secondary crop, horticulture crops, and estates crops), cultivates forest tree, breeds wild-life animals, livestock/poultry, cultivates fish, collect forest product and/or captures wild animals, and renders agricultural services.

Coverage

Data collection covered the farm households and farm businesses throughout the national territory.

Frame

The updating of the maps of Census Enumeration Blocks, together with the complete enumeration of potential villages (PODES 2003) and the updating of the directory of Agricultural Enterprises was carried out in 2002, while the listing of buildings and households was completed in 2003. The updating of the Agricultural Enterprises Directory, based on official records and information available in various government departments, was done by revising the 1993 Directory. The sampling frame used for the survey on households living in forest areas consisted of the list of Census Blocks of the rural villages located within the forest areas.

Method

The 2003 Agricultural Census consisted of a household listing operation and nine subsequent sample surveys, i.e. surveys of household enterprises on paddy, food cultivation, horticultural farming, estate crops, cattle/poultry husbandry, households living in forest areas, farmer income and fishery farming in fresh water or fish catching in the ocean. From the household listing, stratification in urban and rural areas and urban areas in coastal and non-coastal zones and non-coastal zones in concentrated and non-concentrated zones of agricultural businesses was performed.

For sample surveys covering paddy cultivation, other food cultivation, horticulture, estate crops and cattle/poultry husbandry, a two-stage probability to proportionate size (PPS) double sampling design was used. For the "Survey on households living in forest areas" a stratified two stage sampling design was applied: at the **first stage**, the selection of census blocks in each stratum, using PPS; at the **second stage** ten households were systematically selected from lists of households.

Data source

Sensus Pertanian 2003, Angka nasional, Hasil Pendaftaran Rumah Tangga – BPS Badan Pusat Statistik, Jakarta – Indonesia – Katalog BPS5101 ST03 Buku A3.

Contact

Bureau of Agricultural Statistics, BPS-Statistics Indonesia, Badan Pusat Statistik, Republik Indonesia (Statistics Indonesia of the Republic of Indonesia), Jl. Dr. Sutomo 6-8, Jakarta 10710, Indonesia.

Tel.: (+62) 21 384 1195, (+62) 21 384 2508, (+62) 21 381 0291; Fax: (+62) 21 385 7046; E-mail: bpsHQ@bps.go.id.

Website

www.bps.go.id/st.htm

INDONESIA - Agricultural Census 2003 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	24 868 675	19 673 412

NUMBER AND AREA OF HOLDINGS BY SIZE		
	Number of holdings	Area (ha)
Total		-
Under 1 ha	18 606 642	-
1 and under 2 ha	3 460 406	-
2 and under 3 ha	2 801 627	-

AREA OF HOLDINGS BY TENURE OF LAND OPERATED		
	Area (ha)	
Total	19 673 412	
Area owned	17 598 532	
Area rented from others	2 847 340	
Area under other forms of tenure	772 519	

LAND USE		
	Number of holdings	Area (ha)
Total land	-	19 673 412
Agricultural land	-	17 377 475
All other land	-	2 295 937

TEMPORARY CROPS		
	Number of holdings reporting	Area (ha)
Rice	13 770 100	-
Maize	5 024 286	-
Cassava	3 584 912	-
Soybeans	663 980	-

PERMANENT CROPS		
	Number of holdings reporting	Area (ha)
Bananas	2 804 946	

LIVESTOCK		
	Number of holdings reporting	Number of head
Cattle	2 568 825	-
Goats	597 832	-

IRAN, Islamic Republic of - Agricultural Census 2003 - Explanatory Notes

Historical outline

The first agricultural census in Iran was conducted in 1960; then second and a third censuses of agriculture were undertaken in 1988 and 1993. The latest census, to which data here presented refer, was conducted in 2003.

Organization

The Statistical Centre of Iran is the national office responsible for the organization of the agricultural census. Contribution to the organization and conduct of the census was also provided by the Ministry of Jihad-e-Agriculture. The field operations for data collection employed 9 564 Enumerators and 5 354 supervisors.

Enumeration period

The census was conducted in October 2003. Census field operations lasted 30 days.

Reference date/period

- For crops production: the agricultural year 23 September 2002 to 22 September 2003.
- For milk production: the 365 days period preceding the census.
- For Land Use, Livestock etc.: the day of enumeration.

Definition

Holding: An agricultural holding should be involved in at least one of the following agricultural activities: Farming; Horticulture; Greenhouse operating; Apiculture raising; Sericulture raising; Livestock keeping - sheep or goats (domestic, not industrial); Livestock keeping - cattle and camels (domestic, not industrial); Poultry keeping - (domestic, not industrial). Holdings covered in the census satisfied at least one of the following conditions: Having/operating: 400 m² of land under temporary crops; or 200 m² of horticultural and permanent crops; or 2 head of sheep or goats; or 1 head of cattle or camel; or 10 head of poultry; or a greenhouse of any scale; or Silk worms keeping (sericulture) of any scale; or Honey bees keeping (apiculture) of any scale.

Coverage

The census was designed to cover all farms above the threshold, both in urban and rural areas of the country. Modern poultry farms were not covered by the census.

Frame

The census frame was prepared at the time of data collection, by listing places in blocks (rural and urban areas) in order to identify agricultural households as well as agricultural holdings.

Method

Complete enumeration method was applied. All agricultural holdings managed by natural persons and settled in both urban and rural areas were enumerated through direct interview of the holder/manager. Information on unsettled households was provided by locally informed people. Holdings belonging to legal persons were enumerated in the places where agricultural activities were practiced.

The enumerator was charged to fill three forms:

- The Listing Form (Short Form): to be used in order to identify the holdings;
- The Holding Form (Main or Long Form): to report details on holdings;
- The Village Questionnaire: in order to indicate different dimensions of rural areas.

Data source

General Census of Agriculture 2003. Statistical Centre of Iran.

Contact

Statistical Centre of Iran, Dr. Fatemi Ave., Teheran 14144, the Islamic Republic of Iran. Tel.: (+98) 21 889 590 22, (+98) 21 889 590 23; Fax: (+98) 21 889 590 032, (+98) 21 895 8189; E-mail: sci@sci.org.ir; int@sci.org.ir, g_kheiri@sci.org.ir.

Website

<http://www.sci.org.ir>

IRAN, Islamic Republic of - Agricultural Census 2003 - Main Results

NUMBER AND CROPLAND AREA OF HOLDINGS		
	Number of holdings	Cropland Area (ha)
Total	4 332 423	17 665 198

NUMBER AND CROPLAND AREA OF HOLDINGS		
	Number of holdings	Cropland Area (ha)
Total holdings	4 332 423	17 665 198
Holdings without cropland	851 694	-
Holdings with cropland	3 480 729	17 665 198
under 1 ha	1 205 033	407 070
1 and under 2 ha	522 956	655 129
2 and under 5 ha	797 006	2 377 091
5 and under 10 ha	491 156	3 230 892
10 and under 20 ha	295 179	3 788 275
20 and under 50 ha	135 649	3 736 337
50 and under 100 ha	24 576	1 547 657
100 and under 200 ha	6 723	836 590
200 and under 500 ha	2 021	544 556
500 and under 1000 ha	312	196 293
1 000 ha and over	118	345 308

LEGAL STATUS		
	Number of holdings	
Total	4 332 423	-
Civil persons	4 293 160	-
Corporations, Cooperatives, Government	8 108	-
Others	31 155	-

LAND USE		
	Holdings reporting	Area (ha)
Cropland	3 480 729	17 665 000
Arable land	2 790 885	16 197 000
Temporary crops	-	11 647 000
of which: irrigated	-	7 015 000
Fallow land	-	4 550 000
Permanent crops	1 651 046	1 468 000

TEMPORARY CROPS		
	Holdings reporting	Area under crop (ha)
Wheat	1 660 970	6 941 286
Rice	517 272	465 453
Maize	66 280	178 606
Millet	10 022	6 681
Sorghum	32 567	65 444
Barley	860 964	1 817 572
Potatoes	162 560	116 694
Soybeans	28 624	54 319
Cotton	76 903	118 853
Tomatoes	240 608	101 654
Sugarbeets	107 440	199 298

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	1 250 232	6 009 547
Buffaloes	29 141	159 196
Camels	-	139 000
Sheep	1 117 281	37 137 289
Goats	1 070 057	20 166 878
Chickens (traditional farms)	1 602 176	16 151 000
Ducks, Geese, Turkeys (traditional farms)	31 832	316 000

PERMANENT CROPS		
Apples		
Holdings reporting	-	508 254
Area in compact plantation (ha)	-	98 999
Total number of trees	-	45 790 000
In compact plantation	-	44 335 000
Scattered trees	-	1 455 000
Pears		
Holdings reporting	-	206 849
Area in compact plantation (ha)	-	2 660
Total number of trees	-	4 007 000
In compact plantation	-	3 597 000
Scattered trees	-	410 000
Peaches		
Holdings reporting	-	103 091
Area in compact plantation (ha)	-	13 622
Total number of trees	-	19 669 000
In compact plantation	-	18 805 000
Scattered trees	-	864 000
Grapes		
Holdings reporting	-	-
Area in compact plantation (ha)	-	193 737
Total number of trees	-	220 451 000
In compact plantation	-	218 853 000
Scattered trees	-	1 598 000
Oranges		
Holdings reporting	-	-
Area in compact plantation (ha)	-	44 895 000
Total number of trees	-	24 190 000
In compact plantation	-	22 321 000
Scattered trees	-	1 869 000
Bananas		
Holdings reporting	-	9 543
Area in compact plantation (ha)	-	3 353
Total number of trees	-	3 523 000
In compact plantation	-	3 503 000
Scattered trees	-	20 000
Pistachios		
Holdings reporting	-	138 805
Area in compact plantation (ha)	-	298 939
Total number of trees	-	308 777 000
In compact plantation	-	308 559 000
Scattered trees	-	218 000
Dates		
Holdings reporting	-	265 205
Area in compact plantation (ha)	-	123 615
Total number of trees	-	29 346 000
In compact plantation	-	25 929 000
Scattered trees	-	3 417 000
Walnuts		
Holdings reporting	-	705 301
Area in compact plantation (ha)	-	54 468
Total number of trees	-	23 872 000
In compact plantation	-	20 020 000
Scattered trees	-	3 852 000

IRELAND - Agricultural Census 2000 - Explanatory Notes

Historical outline

Ireland participated in all World Census of Agriculture Rounds. Agricultural censuses were conducted annually between 1847 and 1953, and every five years from 1960 to 1980. The 1985 Agricultural Census was cancelled on budgetary grounds and the next complete enumeration census was undertaken in 1991. The 2000 Census of Agriculture, to which data reported here refer, is the first complete enumeration census conducted since 1991.

Organization

The Central Statistics Office (CSO) was the Governmental agency responsible, in cooperation with the Department of Agriculture, for the organization and implementation of the 2000 Census of Agriculture.

Enumeration period

The census date was 1 June 2000.

Reference date/period

Data mainly refer to the day of enumeration.

Definition

- **Farm:** is defined, in line with the definition adopted for the EU Farm Structure Surveys of Agricultural Holdings, as a single unit, both technically and economically, which has a single management and which produces agricultural products. The agricultural production covers all crops (including horticultural crops) and any kind of livestock raising (including intensive raising). A farm may consist of one or more parcels (intended as separate pieces of land), if managed as a single unit and under the same production means. The farm could be managed by one or more persons. It may consist of land owned by the holder, rented from others, or of a combination of the two forms of tenure.
- **AAU (or area farmed):** Is the combined area under crops, silage, hay, pasture, rough grazing land (including fallow land) in use.
- **Minimum size of farm** was at least one hectare of agricultural area used for farming (AAU); Farms with less than one hectare of AAU were included in the census if reporting an intensive agricultural production.

Coverage

Geographically, the census covered the entire country.

Frame

An up-to-date register of active farms, required to carry out the census by mail, was available since the 1991 Census of Agriculture. This register, kept by the Central Statistical Office (CSO) and adjusted to take account of births/deaths of farms, was used as a sampling frame for the regular crops and livestock sample surveys. On the occasion of the 2000 Census of Agriculture a new register was drawn up, based on the combination of several specialized registers like those on agricultural regulations and subsidies, horticultural or pig or poultry farmers, specialized farms, etc., provided by several bodies like the Department of Agriculture (DAF), the Horticultural Development Board (Bord Glas), or the Agriculture and Food Development Authority. The resulting register contained some 190 000 farms of which, notwithstanding the efforts made during the preparation of the register to avoid duplications, about 50 000 were expected to be duplicates and rejected.

Method

The 2000 Census of Agriculture was the first conducted entirely by post. Questionnaires were sent to the 190,000 possibly active farms of the register. Respondents were asked to return the questionnaire duly filled by 9 June 2000. A supplementary Pig Questionnaire reporting additional questions was sent to large pig farmers. Reminders were sent between mid-June and early November. The response rate was 97 percent of active farms.

Data source

Census of Agriculture, Main Results, June 2000. Central Statistics Office Ireland.

Contact

Central Statistics Office, Skehard Rd., Cork, Ireland. Tel.: (+353) 21 453 5000; Fax: (+353) 21 453 5555; LoCall: 1890 236 787 (Contact Census); E-mail: census@cso.ie, webmaster@cso.ie.

Website

<http://www.cso.ie>

IRELAND - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Agricultural area (ha)
Total	141 530	4 714 970

NUMBER OF HOLDINGS BY SIZE OF AGRICULTURAL AREA		
	Number of holdings	Area (ha)
Total	141 530	4 714 970
without agric.land	30	-
0-2 ha of agric.area	3 070	5 210
2 - 5 ha	8 570	37 360
5 - 10 ha	16 740	141 680
10 - 20 ha	34 290	543 020
20 - 30 ha	25 040	654 830
30 - 50 ha	29 630	1 210 010
50 - 100 ha	19 540	1 366 740
>=100 ha	4 620	756 120

FRAGMENTATION		
	Number of holdings	
Total	141 530	-
holdings with:		-
1 parcel	39 642	-
2 parcels	35 985	-
3 parcels	25 312	-
4 parcels	14 891	-
5 parcels or more	25 700	-

LEGAL STATUS		
Holdings operated by:	Number of holdings	
Civil person	141 340	
Other	190	

TENURE OF AGRICULTURAL LAND		
		Agricultural area (ha)
Total		4 443 970
Owned		3 616 510
Rented		827 460

HOLDERS BY SEX		
	Number of holders	
Total	141 340	-
Male	126 240	-
Female	15 100	-

HOLDERS BY AGE		
	Number of holders	
Total	141 340	-
< 35 years of age	18 380	-
35 - 44	30 780	-
45 - 54	36 330	-
55 - 64	27 810	-
65 >	28 040	-

HOLDERS AND MEMBERS OF THEIR HOUSEHOLD ENGAGED IN AGRICULTURAL WORK ON THE HOLDING		
	Number of persons	
Total	243 600	-
Male	175 390	
Female	68 210	
Of which, full time:		
Total	102 500	
Male	84 970	
Female	17 530	

HIRED PERMANENT WORKERS		
	Number of workers	
Total	14 350	-
Of which, full time:	5 050	-

LAND USE		
	Number of holdings	Agricultural area (ha)
Agricultural land	-	4 443 970
Cropland	-	1 110 940
Arable land	-	1 109 360
Permanent crops	-	1 580
Permanent mead./pastures	-	3 333 030

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	3 350	77 970
Barley, total	12 980	182 310
Oats, total	2 280	16 820
Beans & peas	190	1 504
Rapeseed (colza)	332	2 683
Maize for silage	4 219	24 431
Fodder rape & kale	523	950
Potatoes	4 920	13 540
Turnips	1 140	2 066
Sugarbeet	4 650	32 200
Fodder beet	1 741	5 140
Vegetables (for sale)	1 040	4 100

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Apples (for sale)	151	698
Other fruit (for sale)	173	524

LIVESTOCK		
	Holdings reporting	Number of head
Cattle	124 110	7 036 010
Sheep	43 680	6 891 530
Goats	2 180	8100
Pigs	1 280	1 722 110
Horses	15 186	69 937
Mules, Asses	2 771	5 027
Deer	266	12 055
Poultry	10 652	13 960 771

MACHINERY		
	Holdings reporting	Units
Tractors belonging to the holding	108 760	160 080
Tractors not belonging to the holding	60 870	-

ITALY - Agricultural Census 2000 - Explanatory Notes

Historical outline

Italy participated in the World Census of Agriculture Programme since 1930. So far five agricultural censuses have been conducted in the years 1961, 1970, 1982, 1990 and the latest, to which data reported here refer, in 2000.

Organization

The census was carried out as per provisions of Article 37 of the law of 17 May 1999 No. 144 and related implementation regulation. The organizational structure of the census consisted of four territorial levels:

- **National Level** represented by the National Institute of Statistics (ISTAT) and the Union of Trade Chambers.
- **Regional Level** consisting of Regional Census Offices and Regional Technical Commissions;
- **Provincial Level** consisting of 103 Provincial Census Offices, one for each province.
- **Communal Level** with 8100 Municipal Census Offices, one for each municipality of the country.

In the preparatory phase of the census, a Census Committee was created with advisory functions, composed of university professors and representatives from public bodies and associations.

Enumeration period

The Census Day was the 22 October 2000.

Reference date/period

- Information on tenure, legal status, credits, participation in farmer associations, environment, shelters, total and agricultural area of holding, livestock and farm buildings, refers to 22 October 2000.
- Information on sales of agricultural products, holding accounts, use of land, employment, machinery and equipment, agricultural work outside the holding, refer to the agricultural marketing year (1 November 1999 to 31 October 2000).
- Data on agricultural skills of holders and household members refer to the week prior to the census day.
- Data on milk production refer to the calendar year 2000.

Definition

The census unit was defined as a technical-economic unit of agricultural production including forestry and livestock production, consisting of one or more plots of land, even non-contiguous or located in different municipalities, consisting also of agricultural machinery and/or buildings for agricultural production, operated by a holder (physical person, company or public body) assuming the risk of management, alone or together with others.

Coverage

All crop, livestock and forestry holdings in the country were investigated.

Frame

Agricultural, forestry and livestock holdings located in each municipality were identified through cadastral maps and land registers. A cross-check among the data-banks and archives of various Public Administrative Bodies and Trade Chambers was also carried out to prepare the lists of holdings. The updating of the lists of farms was carried out by ISTAT peripheral structures.

Method

Three pilot surveys were carried out. The objectives of these surveys were: (1) to identify the geographical details of cultivated land, (2) to update the ISTAT register of farms, and (3) to check the quality of the list of holdings and of the questionnaire. The census was carried out by complete enumeration, through direct interview without actual measurement of land.

Data source

Quinto Censimento Generale dell'Agricoltura 2000. Istituto Nazionale di Statistica (ISTAT), Italy.

Contact

Istituto Nazionale di Statistica (ISTAT), Ufficio Censimento dell'Agricoltura, Via Adolfo Ravà, 00142, Roma, Italy. Servizio Censimenti sulle Unità Economiche Via Ravà, 150 Rome. Tel.: (+39) 06 467 343 67; Fax: (+39) 06 467 345 74; E-mail: dccg@istat.it.

Website

<http://www.istat.it/censimenti/agricoltura>.

ITALY - Agricultural Census 2000 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	2 590 674	19 607 094

NUMBER AND AREA OF HOLDINGS BY SIZE OF TOTAL AREA OF HOLDING		
	Number of holdings	Area (ha)
Total	2 590 674	19 607 094
< 1 ha of agricultural area	986 031	472 729
1 - 2 ha	496 231	696 959
2 - 5 ha	532 431	1 674 692
5 - 10 ha	262 536	1 831 387
10 - 20 ha	158 495	2 200 929
20 - 30 ha	57 251	1 389 373
30 - 50 ha	46 348	1 765 898
50 - 100 ha	31 288	2 136 698
100 > ha	20 063	7 438 428

FRAGMENTATION		
	Number of holdings	Number of parcels
Total	2 590 674	-
holdings with:		
1 parcel	1 079 088	-
2 parcels	546 859	-
3 parcels	302 338	-
4 parcels	180 563	-
5 parcels	116 420	-
6 parcels or more	365 406	-
Parcels, total	-	9 351 965

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	2 590 674	19 607 094
Civil person	2 538 206	13 612 430
Corporation	38 491	1 914 434
Cooperative	1 741	176 132
Collective	5 546	274 284
Government	5 369	3 477 104
Other	1 321	152 710

TENURE OF LAND		
	Number of holdings	Area (ha)
Total	2 590 674	19 607 094
One form of tenure	2 341 703	14 769 874
Owned	2 247 798	13 398 138
Rented	59 239	1 056 109
Other single forms of ten.	34 666	315 627
More than one form of ten.	248 971	4 837 220

MEMBERS OF HOLDER'S HOUSEHOLD		
	Number of persons	
Total	6 473 690	-
Male	3 465 995	-
Female	3 007 695	-

LAND USE		
	Number of holdings	Area (ha)
Total land	2 590 674	19 607 094
Agricultural land	2 551 822	13 212 652
Cropland	-	9 798 215
Arable land	1 554 458	7 340 221
Permanent crops	1 858 535	2 457 994
Permanent mead./past.	527 932	3 414 437
Wood or forest land	-	4 710 811
All other land	-	1 683 631

TEMPORARY CROPS		
	Holdings reporting	Area (ha)
Wheat, total	-	2 232 988
Wheat durum	306 093	1 698 559
Wheat, soft	181 931	534 430
Rye	4 243	9 113
Barley	145 619	290 862
Oats	77 112	166 061
Maize	305 422	1 068 525
Rice	5 269	213 886
Sorghum	9 904	41 953
Potatoes	126 626	39 113
Sugarbeet	46 426	224 333
Tobacco	16 616	35 399
Sunflower	35 101	210 999
Soybeans	38 781	226 710
Tomatoes	77 386	80 543
Flowers/ornamental plants	18 997	12 665

PERMANENT CROPS		
	Holdings reporting	Area (ha)
Vines	790 623	717 365
Olives	1 211 645	1 080 870
Oranges	114 097	83 242
Mandarines	40 485	10 675
Clementines	18 779	15 680
Lemons	52 930	19 072
Apples	121 860	64 394
Pears	89 147	44 565
Peaches	103 018	58 107
Nectarine	20 182	24 294
Apricots	60 810	18 131
Kiwi	14 552	17 188
Almonds	88 838	53 067
Hazelnut	73 701	66 546
Chestnut	66 103	75 865

LIVESTOCK		
	Holdings reporting	Number of head
Cattle, total	171 853	6 046 506
Male	-	628 251
Female	-	5 418 255
Buffaloes, total	2 246	181 951
Male	-	57 788
Female	-	124 163
Sheep, total	96 939	6 808 900
Male	-	713 548
Female	-	6 095 352
Goats, total	48 561	923 402
Male	-	164 054
Female	-	759 348
Pigs	195 325	8 614 016
Horses	41 181	160 872
Asses	9 295	19 322
Chickens, total	-	141 489 884
Broilers	300 568	96 708 718
Laying hens	479 420	44 781 166
Turkeys	35 116	12 937 490
Guinea-fowls	14 526	4 150 814
Geese	31 252	356 887
Rabbits	216 688	10 885 258
Ostriches	1 574	38 385

JAMAICA - Agricultural Census 1996 - Explanatory Notes

Historical outline

The first Census of Agriculture in Jamaica was undertaken, together with the Census of Population and Housing, in 1943. The second was carried out in 1961, while the third, conducted in 1968/69, represented the first participation of Jamaica in the World Census of Agriculture Programme (1970 Round) promoted by the Food and Agriculture Organization of the United Nations (FAO). Subsequently, a fourth agricultural census was undertaken in 1978/79. Consequently, the one conducted in 1996, to which data presented here refer, is the fifth Census of Agriculture conducted in the country. In addition to the Censuses, two Sample Surveys were conducted in 1954 and 1958.

Organization

The Census was organized through a Joint Consultative Committee comprising representatives from the Ministry of Agriculture, the Planning Institute and the Statistical Institute of Jamaica, which provided their technical assistance to the organization of the census.

Reference date/period

Reference dates and periods used were: The Census Day (Friday, the 16 February 1996); The Calendar Year (from January to December 1995); The Census Week (second week of February, i.e. from Sunday to Saturday i.e 11 – 17 February 1996).

Definition

Agricultural holding (Farm) is all land fully or partly utilized for agricultural purposes, located in a single Parish and consisting of one or more parcels, reporting at least one of the following characteristics (*minimum size of holding*):

- 0.41 ha of crop cultivation, including flowers;
- If only a greenhouse is operated, it should be of at least 4400 square feet (1 sq. ft = 0.92 m²);
- Twelve economic trees like citrus, mangoes, breadfruit etc;
- One head of cattle;
- Two pigs or sheep or goats;
- Twelve head of poultry, (including ducks, turkeys etc);
- Six beehives;
- A fish pond of any size.

Coverage

The census was designed to cover all farms satisfying the minimum size of holding in non-urban areas of the country as well as farms of 50 acres and more (approx. 20 ha) located in urban areas or operated by urban dwellers. Holding with less than 50 acres in those areas identified as "Urban" in the 1991 Population Census, including Kingston Metropolitan Area, were considered as having a negligible portion of agricultural activity in Jamaica and thus excluded from enumeration.

Frame

Through the visits of enumerators to households, a listing schedule reporting names and addresses of heads of households was designed. In addition, lists reporting names and addresses of farmers with 50 acres or more were provided by the Farmers Register of the Ministry of Agriculture and by the Land Valuation Department.

Method

The agricultural census was conducted in two stages:

1. The first stage by complete enumeration of all households in non-urban areas in order firstly to identify farm and non-farm households and secondly to administrate a questionnaire to farm households only.
2. The second stage consisting of a ten percent sample survey of farms less than 50 acres, and complete enumeration of all farms 50 acres and over.

Data source

Census of Agriculture 1996 (Vol. I), Land Utilization and Crop Cultivation. The Statistical Institute of Jamaica.

Contact

The Statistical Institute of Jamaica, 97B Church Street, P.O. Box 643, Kingston, Jamaica. Tel.: (+1) 876 926 2688; Fax: (+1) 876 926 4859; E-mail: statinja@infochan.com.

Website

<http://www.statinja.com>

JAMAICA - Agricultural Census 1996 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	187 791	407 434

NUMBER AND AREA OF HOLDINGS BY SIZE OF HOLDING		
	Number of holdings	Cultivated Area (ha)
Total	187 791	407 434
Without land	14 980	-
Under 1 ha	115 267	43 459
1 and under 2 ha	28 548	38 215
2 and under 5 ha	22 332	63 762
5 and under 10 ha	3 886	26 217
10 and under 20 ha	1 351	17 732
20 and under 50 ha	795	23 774
50 and under 100 ha	263	18 319
100 and under 200 ha	164	23 165
200 ha and over	205	152 791

LAND USE		
		Area (ha)
Total	-	407 434
Agricultural land	-	273 229
Cropland	-	177 580
Land under perm. mead./pastures	-	95 649
Wood or forest land	-	8 863
Land unused but potentially productive	-	87 300
All other land	-	38 042

TEMPORARY CROPS		
		Area (ha)
Sugarcane	-	53 294
Yellow Yams	-	10 506
Other yams	-	5 477
Pimentos	-	5 061
Legumes n.e.s.	-	3 587
Sweet potatoes	-	3 234
Pumpkins	-	2 383
Carrots	-	2 327
Tubers n.e.s.	-	2 323
Read peas	-	2 117
Maize	-	2 091
Cabbages	-	1 942
Tomatoes	-	1 880
Cassava (Manioc)	-	1 756
Vegetables n.e.s.	-	1 290
Condiments/Spices n.e.s.	-	1 008
Sweet pepper	-	829
Irish potatoes	-	720
Hot pepper	-	708
Water melons	-	646
Cereals n.e.s.	-	257

PERMANENT CROPS		
		Area (ha)
Banana	-	16 075
Coconut	-	13 883
Coffee	-	10 807
Oranges	-	10 261
Cocoa	-	7 026
Plantains	-	4 581
Mangoes	-	3 259
Pineapple	-	1 153
papaya	-	1 002
Ortanique	-	830
Avocado	-	759
Grapefruit	-	717

JAPAN - Agricultural Census 2000 - Explanatory Notes

Historical outline

Japan participated in the first World Census of Agriculture (WCA) held in 1930. Since 1950, in accordance with the FAO World Census of Agriculture (WCA) Programme, the census of agriculture is conducted on a regular basis every ten years (from 1960 in conjunction with the Forestry Census). In addition, in the 5th year of the decade, the Census of Agriculture and Forestry is also conducted. Data here reported refer to the 2000 World Census of Agriculture and Forestry.

Organization

The Statistics and Information Department of the Ministry of Agriculture, Forestry and Fisheries (MAFF) is in charge for the Agriculture and Forestry census. Charged with census operations at peripheral level are the Prefectures and the administrative unit of Hokkaido, through seven Regional Agricultural Administration Offices and 314 Statistical Information Branch Offices and in cooperation with the statistical units of the Municipalities. For the 2000 Census of Agriculture 184 000 enumerators were appointed.

Enumeration period

The enumeration day was 1 February 2000 for all prefectures, excluding Okinawa Prefecture, for which it was 1 December 1999.

Reference date/period

Data on crop production, employment and use of machinery refer to the 12 months preceding the census while all other items refer to the enumeration day.

Definition

- **Agricultural enterprise:** An entity having cultivation area of over 0.1 acre (0.40469 ha) or having a total agricultural product sales of 150 000 yen in one year prior to the census date regardless whether the operation is performed by a family unit or by other entities.
- **Farm household:** An agricultural entity consisting of a family unit
- **Commercial farm household:** A household engaged in agriculture managing more than 0.3 ha of cultivated land or reporting a sales value of agricultural products, in the previous 12 months, of at least 500 000 yen.
- **Non-commercial farm household (subsistence farms households):** A household engaged in agriculture with less than 0.3 ha of cultivated land or a sales value of agricultural products, in the previous 12 months, of less than 500 000 yen.

Coverage

In the entire country, subjects of the 2000 World Census of Agriculture were:

- **All farming establishments** Consisting of: Farm households (2 340 000 Commercial and 780 000 non-commercials), Farming holdings other than farm households (10 500).
- **Agricultural services enterprises** (19 700).
- **Rural communities** (135 000).

Frame

A list of about 184 000 enumeration sections was defined by December 1999, reviewing and amending the list set up for the previous 5th year Census of Agriculture. Local Bodies participated in compiling a list of all households considered as involved in agriculture.

Method

The enumerators visited all households within their enumeration section collecting information through direct interview. Due to the different climate and type of agriculture among Hokkaido, Okinawa and the other prefectures, three sets of farm household questionnaires were used, in the simplified and detailed format, reporting different items.

Data source

Report on Results of 2000 World Census of Agriculture and Forestry in Japan, March 2003. Ministry of Agriculture, Forestry and Fisheries, Statistics Information Department Japan.

Contact

Ministry of Agriculture, Forestry and Fisheries, Statistics and Information Department, 2-1, 1-chome, Kasumigaseki, Chiyoda-ku, Tokyo, Japan. Tel.: (+81) 3 350 281 11; Fax: (+81) 3 350 280 83.

Website

<http://www.maff.go.jp>

JAPAN - Agricultural Census 2000 - Main Results

NUMBER AND CROPLAND AREA OF HOLDINGS (FARM HOUSEHOLDS)

	Number of holdings	Cropland Area (ha)
Total	3 120 215	3 734 288

HOLDER'S HOUSEHOLD MEMBERS BY SEX AND AGE

	Number of persons	
Total	10 467 363	-
Male	5 128 973	-
< 25 years of age	1 338 983	-
25 - 34	443 511	-
35 - 44	611 604	-
45 - 54	787 194	-
55 - 64	635 273	-
65 >	1 312 408	-
Female	5 338 390	-
< 25 years of age	1 273 284	-
25 - 34	430 405	-
35 - 44	603 317	-
45 - 54	696 321	-
55 - 64	711 568	-
65 >	1 623 495	-

HOUSEHOLD MEMBERS ENGAGED IN AGRICULTURAL WORK ON THE HOLDING

	Number of persons	
Total	3 891 225	-
Male	1 720 605	-
Female	2 170 620	-

HIRED PERMANENT WORKERS

	Holdings reporting	Number of workers
Total	23 612	61 943

LAND USE

		Area (ha)
Cropland	-	3 734 288
Arable land	-	3 477 325
Permanent crops	-	256 963

TEMPORARY CROPS

	Holdings reporting	Area (ha)
Wheat	122 144	190 573
Rice	1 746 523	1 474 916

LIVESTOCK

	Holdings reporting	Number of head
Cattle, total	-	3 766 825
for meat production	106 102	2 124 205
for milk production	33 322	1 642 620
Pigs	8 780	4 961 017
Chickens, total		
Laying hens	5 581	639 421
Broilers	2 721	2 936 891

JORDAN - Agricultural Census 1997 - Explanatory Notes

Historical outline

The 1997 Agricultural Census was the fifth conducted in Jordan. The first census was carried out in 1953, the second in 1965, the third in 1975, and the fourth in 1983.

Organization

The census was organized by the Department of Statistics, in collaboration with the Ministry of Agriculture and in cooperation with other public and private institutions like the Ministry of Interior, the Public Security and the Radio -Television.

Enumeration period

The enumeration period was from 17 May to 10 August 1997.

Reference date/period

Data refer to the agricultural year preceding the enumeration.

Definition

- **Holding:** A techno-economic unit of agricultural production under single management, consisting of one or more parcels, regardless of their location. For census purposes, an agricultural holding is enumerated if reporting an area of at least one dunum (1000 square meters). Holdings without land are also considered for census purposes, if reporting at least one of the following:
 - Ten sheep;
 - Ten goats;
 - One head of cattle;
 - Three camels;
 - Five beehives.

Coverage

The 1997 Agricultural Census covered all agricultural holdings (see definition above) in the country.

Frame

A complete list of all households from the 1994 Population Census, whether or not engaged in agriculture, was used as frame. Those households engaged in agriculture were then identified during the interviews.

Method

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

Data source

General Results of the Agricultural Census 1997, February 1999. The Hashemite Kingdom of Jordan, Department of Statistics, Jordan.

Contact

The Hashemite Kingdom of Jordan, Department of Statistics (DOS), PO Box 2015 Amman, P.C. 11181, Jordan. Tel.: (+962) 6 530 0700; Fax: (+962) 6 530 0710; E-mail: stat@dos.gov.jo.

Website

http://www.dos.gov.jo/dos_home_a/main/index.htm

JORDAN - Agricultural Census 1997 - Main Results

NUMBER AND AREA OF HOLDINGS		
	Number of holdings	Area (ha)
Total	92 258	306 001

NUMBER AND AREA OF HOLDINGS BY SIZE OF TOTAL AREA OF HOLDING		
	Number of holdings	Area (ha)
Total	92 258	306 001
without land	16 290	
0.1 - 0.2 ha	6 624	791
0.2 - 0.5 ha	13 583	3 962
0.5 - 1 ha	11 012	7 250
1-2 ha	14 317	18 547
2-3 ha	7 416	16 826
3-4 ha	4 208	13 683
4-5 ha	2 787	11 801
5-10 ha	6 532	41 892
10 -20 ha	3 291	41 032
20 - 50 ha	1 778	48 787
50-100 ha	409	25 734
100-200 ha	151	18 871
200 ha >	54	29 413
not stated	3 806	-
Organizations	-	27 412

FRAGMENTATION		
	Holdings reporting	Number of parcels
Total	72 162	113 322

LEGAL STATUS		
	Number of holdings	Area (ha)
Total	92 258	278 209
Civil person	92 193	266 620
Corporation	39	11 416
Other	26	174

TENURE OF LAND		
		Area (ha)
Total	-	278 589
Owned	-	234 351
Rented	-	44 238

HOLDERS BY SEX		
	Number of holders	
Total	91 585	-
Male	88 873	-
Female	2 712	-

HOLDERS BY AGE		
	Number of holders	
Total	91 585	-
< 15 years	45	-
15-25	2 898	-
26-34	9 432	-
35-54	42 798	-
55-64	21 051	-
65>	15 361	-

MEMBERS OF HOLDER'S HOUSEHOLD		
	Holdings reporting	Number of persons
Total	92 193	749 295

HIRED PERMANENT WORKERS		
	Number of persons	
Total	21 244	-
Male	20 883	-
Female	361	-

TEMPORARY CROPS		
		Area planted (ha)
Wheat	-	56 885
Barley	-	91 794
Maize	-	916
Sorghum	-	37
Millet	-	27
Tobacco	-	3 038
Sesameseed	-	99
Clover	-	911

PERMANENT CROPS		
	Area (ha)	Number of trees/ plants
Apples	3 826	2 622 129
Bananas	1 330	1 377 108
Clementines	1 712	543 641
Dates	212	37 242
Figs	557	176 399
Lemons	2 205	475 554
Mandarins	884	282 802
Olives	61 602	8 120 860
Oranges	1 959	635 695
Peaches	1 362	576 799
Vines	3 684	2 131 643

LIVESTOCK		
	Holdings reporting	Head/units
Cattle, total	6 388	53 501
Male		7 240
Female		46 261
Sheep, total	22 214	2 112 261
Male		
total number	-	225 902
< 1 year	-	131 704
1 - 2 years	-	26 841
> 2 years	-	67 357
Female		
total number	-	1 886 359
< 1 year	-	284 580
1 - 2 years	-	297 329
> 2 years	-	1 304 450
Goats	31 081	721 408
Male		
total number	-	93 149
< 1 year	-	57 482
1 - 2 years	-	11 403
> 2 years	-	24 264
Female		
total number	-	628 259
< 1 year	-	102 074
1 - 2 years	-	102 125
> 2 years	-	424 060
Horses	-	3 347
Mules	-	535
Asses	-	14 117
Camels	-	5 885
Chickens	3 961	72 583
Turkeys	237	1 669
Ducks	272	2 449
Geese	265	2 587
Rabbits	423	7 039
Pigeons	1 484	83 811
Beehives	1 484	18 250

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

- Korea National Statistical Office (KNSO), 920, Dunsan-dong. Seo-gu, Daejeon, 302-701, Republic of Korea. Tel.: (+82) 2 201 291 14.
- Ministry for Food, Agriculture, Forestry and Fisheries-Government Complex Gwacheon, Jungang dong, Gyeonggi-do. Tel.: (+82) 2 503 7200; Fax: (+82) 2 503 7249; E-mail:wmaster@mifaff.go.kr.

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

Ministry of Agriculture, Republic of Lebanon, Embassies street - Bir Hassan sector, Face to Henry Chehab caserne.
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 ^(*)	Area (ha)
Total	526 265	533 914

(*) 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
Motortruks	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 kidden)	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	
Holders 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

Recensamantul 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/TONGA/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	
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	
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 hodings	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

Central Statistical Office, P.O. Box 31908 Lusaka, Republic of Zambia. E-mail: info@zamstats.gov.zm.

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

APPENDICES

Appendix 1

Publications on World Programme for the Census of Agriculture

WCA 2010 ROUND

- A System of integrated agricultural censuses and surveys – Vol.1. World Programme for the Census of Agriculture 2010, *FAO Statistical Development Series 11*. Rome, 2005.

WCA 2000 ROUND

- 2000 World Census of Agriculture – Main Results and Metadata by Country (1996-2005), *FAO Statistical Development Series 12*. Rome.
- 2000 World Census of Agriculture – Analysis and International Comparison of the Results (1996-2005), *FAO Statistical Development Series 13*. Rome, (Forthcoming).
- 2000 World Census of Agriculture – Methodological Review, *FAO Statistical Development Series 14*. Rome, (Forthcoming).
- Supplement to the Programme for the World Census of Agriculture 2000 – Guidelines on employment, *FAO Statistical Development Series 5a*. Rome, 1997.
- Supplement to the Programme for the World Census of Agriculture 2000 – Guidelines on the collection of structural aquaculture statistics, *FAO Statistical Development Series 5b*. Rome, 1997.
- Programme for the World Census of Agriculture 2000, *FAO Statistical Development Series 5*. Rome, 1995.

WCA 1990 ROUND

- Report on the 1990 World Census of Agriculture – Methodological Review. *Internal document*. FAO, Rome.
- Supplement to the Report on the 1990 World Census of Agriculture – International comparison and primary results by country (1986–1995), *FAO Statistical Development Series 9a*. Rome, 2001.
- Report on the 1990 World Census of Agriculture – International comparison and primary results by country (1986 – 1995), *FAO Statistical Development Series 9*. Rome, 1997.
- Programme for the 1990 World Census of Agriculture – Supplement for Africa, *FAO Statistical Development Series 2e*. Rome, 1992.
- Programme for the 1990 World Census of Agriculture – Supplement for Asia and Pacific, *FAO Statistical Development Series 2d*. Rome, 1990.
- Programme for the 1990 World Census of Agriculture – Supplement for Near East, *FAO Statistical Development Series 2c*. Rome, 1990.
- Programme for the 1990 World Census of Agriculture – Supplement for Europe, *FAO Statistical Development Series 2b*. Rome, 1989.
- Programme for the 1990 World Census of Agriculture – Microcomputer- based data processing, *FAO Statistical Development Series 2a*. Rome, 1987.
- Programme for the 1990 World Census of Agriculture, *FAO Statistical Development Series 2*. Rome, 1986.

WCA 1980 ROUND

- 1980 World Census of Agriculture – Methodological Review. FAO, Rome, 1992.
- Report on the 1980 World Census of Agriculture – Results by Countries – Census Bulletins 1-28. FAO, Rome, 1983-1989.
- Programme for the 1980 World Census of Agriculture. FAO, Rome, 1976.

WCA 1970 ROUND

- 1970 World Census of Agriculture – Analysis and International Comparison of the Results. FAO, Rome, 1981.
- Report on the 1970 World census of Agriculture. FAO, Rome, 1978
- Report on the 1970 World Census of Agriculture – Results by Countries – Census Bulletins 1-30. FAO, Rome, 1973–1981.
- Program for the 1970 World Census of Agriculture – Regional Program for America. FAO, Rome, 1969.
- Program for the 1970 World Census of Agriculture – Regional Program for Europe. FAO, Rome, 1967.
- Program for the 1970 World Census of Agriculture – Regional Program for Africa. FAO, Rome, 1967.
- Program for the 1970 World Census of Agriculture – Regional Program for Asia. FAO, Rome, 1967.
- Program for the 1970 World Census of Agriculture – Regional Program for Near East. FAO, Rome, 1967.
- Program for the 1970 World Census of Agriculture. FAO, Rome, 1965

WCA 1960 ROUND

- Report on the 1960 World Census of Agriculture – Vol. V: Analysis and International Comparison of Census Results. FAO, Rome, 1971.
- Report on the 1960 World Census of Agriculture – Vol. II: Programme, Concepts and Scope. FAO, Rome, 1969.
- Report on the 1960 World Census of Agriculture – Vol. III: Methodology. FAO, Rome, 1969.
- Report on the 1960 World Census of Agriculture – Vol. IV: Processing and Tabulation. FAO, Rome, 1968.

- Report on the 1960 World Census of Agriculture – Vol. 1a, 1b, 1c: Census Results by Countries. FAO, Rome, 1967-1970.
- Programme for the 1960 World Census of Agriculture. FAO, Rome, 1957.

WCA 1950 ROUND

- Report on the 1950 World Census of Agriculture – Special Reports: World Agricultural Structure. FAO, Rome, 1961.
- Report on the 1950 World Census of Agriculture – Vol. I: Census Results by Countries. FAO, Rome, 1955.
- Programme for the 1950 World Census of Agriculture. Washington, 1948.

WCA 1940 ROUND

- Programme of the World Agricultural Census of 1940, *International Institute of Agriculture (IIA)*. Rome, 1938.

WCA 1930 ROUND

- The First World Agricultural Census (1930) – Vol. II, III, IV, V: Country Results, *International Institute of Agriculture (IIA)* Rome, 1939.
- The First World Agricultural Census (1930) – Vol. I: Standard form, Methodological Study, Notes on tabulation of the census results, *International Institute of Agriculture (IIA)*. Rome, 1939.

Appendix 2 - Country Practices on Including Additional Agricultural Items in the Population and Housing Censuses

Following the recommendations of the United Nations Statistics Division (UNSD) on the Population and Housing Census most countries collect basic data on occupation, industry and status in employment for all persons in the households as part of their population census. This information could be useful in identifying the potential households where one or more member(s) may be operating an agricultural or aquaculture holding(s). However, when combined with information on existence of productive agricultural or aquaculture assets in the household, it gives more definitive identification of households with associated agricultural/aquaculture holding(s). Once a list of agricultural holdings (frame) is developed using the data from population census, it could be made more precise during the field operation of agricultural census by identifying the cases where there are "more than one holding within a household" or "many households operate a joint holding". Thus the use of population census data to establish a frame for agricultural census avoids the duplication of efforts involved in carrying out a fresh field operation for listing the holdings. Designing an agricultural census based on population census data also avoids the need to collect demographic data again in the agricultural census.

The table below, based on a study of population census questionnaires available on the UNSD website, provides example of agriculture related questions asked in the recent population censuses. It is recognized that some countries might have used separate agricultural supplements which are not covered in the examples quoted here.

WCA 2000 ROUND	
COUNTRY (CENSUS YEAR): RESPONDENT	
ALBANIA (2001): HOUSEHOLD	
Q1. Do you own agricultural land? (Yes/No)	
Q2. If yes, who is the land cultivated by? <i>(1) Yourself (2) Others (3) Not cultivated</i>	
BANGLADESH (2001): HOUSEHOLD	
Q1. What is the household's main field of economic activity? <i>(1) Agriculture/forestry/animal husbandry (2) Fishing (3) Agricultural labour.</i>	
BELIZE (2000): PERSON	
Q1. Do you own any land for farming? (Yes/No)	
BOTSWANA (2001): HOUSEHOLD	
Q1. Does any member of this household own any of the following livestock? <i>(1) Cattle (2) Goats (3) Sheep (4) Pigs (5) Poultry (6) Donkeys/horse</i>	
Q2. Does any member of this household plant any of the following crops during the agricultural season? <i>(1) Maize (2) Millet (3) Sorghum (4) Beans (5) Other crops</i>	
Q3. Does this household own the land used for planting and/or grazing? (Yes/No)	
Q4. How was the land used for planting and/or grazing acquired?	
Q5. Since 1999, did household members receive cash from sale of? <i>(1) Cattle (2) Goats/sheep (3) Poultry (4) Maize (5) Sorghum/millet</i>	

COOK ISLAND (2001): HOUSEHOLD/ PERSON
Q1. What agricultural activity is the household engaged in? <i>(1) Mainly subsistence (2) Mainly commercial (3) No agricultural activity</i>
Q2. What fishing activity is the household engaged in? <i>(1) Mainly subsistence (2) Mainly commercial (3) No fishing activity</i>
Q3. How many livestock or pets are raised by your household? <i>(1) Pigs (2) Goats (3) Cattle</i>
Q4. How many items of farm machinery are owned by members of this household? <i>(1) Tractors (2) Rotary hoes.</i>
Q5. How many items of fishing equipment are owned by members of this household? <i>(1) Spear gun (2) Canoe</i>
Q6. How have your land right been determined by the land court? <i>(1) By succession (2) Sole occupation (3) Joint occupation (4) Lease/-Sub -lease</i>
CYPRUS (2001): HOUSEHOLD
Q1. Is there a person in this household who is a holder or rents or cultivates agricultural land (arable or non arable) or operates an animal farm? (Yes/No).
FIJI (1996): HOUSEHOLD
Q1. Did anyone in the household earn money from the following activities? <i>(1) Producing cash crops (2) Raising livestock (3) Catching/collecting fish products</i>
MAURITIUS (2000): HOUSEHOLD
Q1. Fruit trees of bearing age on premises <i>(1) Peach (2) Bibasse.</i>
NEPAL (2001): HOUSEHOLD
Q1. Is any agricultural land possessed by the household? (Yes/No)
Q2. If yes, what is the area by land type?
Q3. Does your household raise livestock or poultry? (Yes/No)
Q4. If yes, how many livestock/poultry does your household raise? <i>(1) Livestock (2) Poultry</i>
OCCUPIED PALESTINIAN TERRITORY (1997): HOUSEHOLD
Q1. Identification of holdings and holders.
Q2. Area of holding.
Q3. Type of holding: <i>(1) Crops (2) Livestock (3) Both livestock and crops</i>
PAPUA NEW GUINEA (2000): HOUSEHOLD
Q1. Does this household grow/raise any of the following: <i>(1) Cocoa (2) Coffee (3) Pigs.</i> (Data collected according to whether it is for cash or own consumption)

POLAND (2002): HOUSEHOLD/PERSONS
Q1. What is the main source of maintenance of the household? (19 categories)
Q3. Are you a holder of an agricultural farm (plot) or are you a member of a household with an agricultural farm (plot)?
Q4. How many months did you work in your agricultural farm/plot in the last twelve months?
Q5. If holder, what is the size of the farm/plot?
SEYCHELLES (1997): HOUSEHOLD
Q1. Did this household farm in the last twelve months? (Yes/No)
Q2. Did this household sell agricultural products in the last twelve months? (Yes/No)
Q3. What was the main purpose of agricultural production? (1) For sale (2) Sale of surplus
Q4. Did this household rear any livestock in the last twelve months? (Yes/No)
Q5. What was the main purpose of livestock production? (1) For sale (2) Sale of surplus
SIERRA LEONE (2004): HOUSEHOLD
Q1. What is the area of each crop grown? (1) Upland rice (2) Lowland rice
Q2. What is the livestock owned by household members? (1) Cattle (2) Sheep
UGANDA (2003): HOUSEHOLD
Q1. Does any member of this household engage in the following? (1) Crop growing (2) Livestock rearing (3) Poultry keeping (4) Fishing farming
Q2. If yes, what is the size of the holding?
Q3. Did this household grow crops during the last season (January –June 2002) (Yes/No)
Q4. If yes to crop growing, how many plots where used for growing each type of crop? (1) Pure stand (2) Mixed crop
Q5. If yes to livestock raising, how many of each type of livestock were there on the enumeration day?
Q6. If yes to poultry keeping, for each poultry type what was the average poultry reared per month in the last three months?
Q7. If yes to fish farming, how many fish ponds are there by type?
ZAMBIA (2000): HOUSEHOLD
Q1. Did your household engaged directly in agricultural activity; that is crop growing, livestock and poultry raising, and fish farming, since 1 July 1999? (Yes/No).
Q2. If yes, on your holding which of the following crops did you grow since 1 July 1999? (1) Cattle (2) Sorghum (3) Millet.
Q3. On your holding which of the following livestock did you raise 1 July 1999?
Q4. Did your agricultural enterprise include fish farming since 1 July 1999? (Yes/No).

WCA 2010 ROUND**COUNTRY (CENSUS YEAR): RESPONDENT****BURKINA FASO (2007): HOUSEHOLD**

Q1. Whether the household grows specific annual crops
(Yes/No for wet season and dry season for each crop)

Q2. Whether the household grows horticultural crops
(Yes/No for wet season and dry season for each crop)

Q3. Number of fruit trees of different types.

Q4. Whether the household practices different types of silviculture (Yes/ No for each crop)

Q5. Whether the household practices fisheries (Yes/ No for fish/prawns and frogs).

Q6. Number and type (traditionally farmed, nomadic, intensively farmed) of specific livestock groups.

Q7. Number of drought animals by type.

Q8. Number of items of specific types of machinery owned.

Q9. Whether a member of the household belongs to a farmer's association (Yes/No).

CANADA (2006): HOUSEHOLD

Q1. Is anyone in this household a farm operator who produces at least one agricultural product
intended for sale? (Yes/ No).

Q2. Does this farm operator make day to day decisions related to the farm? (Yes/No).

The Programme for World Census of Agriculture 2000 was the sixth prepared by FAO for encouraging countries to undertake an agricultural census with standardized international concepts, definitions and methodologies.

The programme covered the censuses carried out during the decade (1996 – 2005). Some 122 countries carried out an agriculture census during the decade and 114 countries made available their census reports to FAO.

This publication reports the main results on structure of agriculture as defined by the holding characteristics, gender, land tenure and land use, crops, livestock, etc., and the metadata on agricultural censuses of the countries.

ISBN 978-92-5-106568-6 ISSN 1014-3378



I1595E/1/05.10