

## 1. HISTORICAL OUTLINE

The 2010 Census of Agriculture (CA) is the sixth to be conducted in the Republic of Cyprus since the country achieved independence. The previous CAs were undertaken in 1960, 1977, 1985, 1994 and 2003. The Survey on Agricultural Production Methods (SAPM) was carried out together with the CA 2010.

## 2. LEGAL BASIS AND ORGANIZATION

### **Legal framework**

The National Statistics Law of 2000 is the legal basis for carrying out the farm structure surveys (FSS) and all other statistical surveys carried out by the Statistical Service of Cyprus (CYSTAT). The CA 2010 also complies with the relevant EU legislation<sup>1</sup> for carrying out the FSSs.

### **Institutional framework and international collaboration**

CYSTAT was responsible for census-taking. The census was funded by the European Union (EU) and the Cyprus National Budget. The project was organized by a four-member team under the supervision and guidance of the head of the Agricultural Statistics section of CYSTAT.

### **Census staff**

A total number of 165 persons worked on the project, of which 132 field enumerators and 22 field supervisors for data collection in the CA 2010. In addition, 53 enumerators and 11 supervisors were involved for the SAPM.

## 3. REFERENCE DATE AND PERIOD

**Reference day:** 1 November 2010, for inventory items such as livestock numbers.

### **Reference periods:**

- the crop year (from 1 October 2009 to 30 September 2010), for area of the holding by type, organic farming, irrigation, machinery used by the holding, labour force, etc.;
- the last three years (2007, 2008 and 2009) for rural development measures.

## 4. ENUMERATION PERIOD

There were two enumeration periods: from September 2010 to April 2011 for the CA 2010 and from May to June 2011 for the SAPM.

## 5. SCOPE OF THE CENSUS AND DEFINITION OF THE STATISTICAL UNIT

The **census scope** covered agricultural activities (crop and animal production).

The **statistical unit** was the agricultural holding, defined as a technical-economic unit under single management that produces agricultural products. For the purposes of the 2010 CA, a unit of this type is considered a holding and is enumerated only if it meets predefined threshold criteria (see section 7 below).

## 6. GEOGRAPHIC COVERAGE

The data refer only to the government-controlled areas of the Republic of Cyprus.

## 7. CUT-OFF THRESHOLD AND OTHER EXCLUSIONS

The units that did not meet the following thresholds were excluded from the census: (i) having an utilized agricultural area equal to or greater than 1 decare (0.1 ha); (ii) having 0.5 decare (0.05 ha) in greenhouses; (iii) having at least one cow; (iv) having at least two other large animals; (v) having five and more small animals; (vi) having 50 and more poultry; (vii) having 20 and more beehives; (viii) having five and more ostriches; or (ix) having ten or more rabbit-breeding females.

## 8. METHODOLOGY

### **Methodological modality for conducting the census**

The classical approach was used in the CA.

<sup>1</sup> (i) Regulation (EC) No. 1166/2008 of the European Parliament and of the Council of 19 November 2008 on farm structure surveys and the survey on agricultural production methods and repealing Council Regulation (EEC) No. 571/88, and (ii) Commission Regulation (EC) No. 1200/2009 of 30 November 2009 implementing Regulation (EC) No. 1166/2008 of the European Parliament and of the Council on farm structure surveys and the survey on agricultural production methods, as regards livestock unit coefficients and definitions of the characteristics.

**Frame**

The census frame was based on the updated agricultural register (the register of agricultural holders). The register was created based on the CA 2003, and was updated using the FSSs 2005 and 2007, other annual surveys and information from a wide variety of other sources.<sup>2</sup>

**Complete and/or sample enumeration methods**

The CA 2010 was conducted as a complete enumeration and the SAPM was conducted as a sample survey.

**Sample design (if sampling was used)**

The sampling frame for the SAPM was provided by the CA 2010. The sample was drawn using stratified random sampling.

**Data collection methods**

The CA data were collected on paper questionnaires using the face-to-face interview (PAPI) method.

**Questionnaire(s)**

Two questionnaires were used for data collection: one for the CA 2010 and one for the SAPM. All 16 core items recommended in the WCA 2010 were collected through the CA 2010 and the SAPM.

**9. USE OF TECHNOLOGY**

Census results were disseminated and are accessible online.

**10. DATA PROCESSING AND ARCHIVING**

Data entry desks (for manual data entry) were established in the central office of CYSTAT, where computers were loaded with the specific software programme. The programme carried out several checks, such as consistency checks, valid value and range checks and arithmetic checks. As non-response was low, no adjustments were deemed necessary.

**11. CENSUS DATA QUALITY**

A multi-stage checking process was established both for purposes of coverage and for purposes of minimizing errors on the questionnaires. Follow-up interviews were carried out during the data collection process in cases where errors and weaknesses were identified.

**12. DATA DISSEMINATION**

A publication for the Census of Agriculture 2010 was prepared and is available on the website of CYSTAT. A national methodological report was also prepared on the basis of the requirements of the relevant EU Regulation.

**13. DATA SOURCES**

**Statistical Service of Cyprus.** 2014. *Census of Agriculture 2010*. Nicosia. Agricultural Statistics, Series I, Report No. 8. (also available at [http://www.cystat.gov.cy/mof/cystat/statistics.nsf/All/DE20AEA98C4DD6EEC22577A50041F0B8/\\$file/AGRICULTURE\\_CENSUS-2010-100314.pdf?OpenElement](http://www.cystat.gov.cy/mof/cystat/statistics.nsf/All/DE20AEA98C4DD6EEC22577A50041F0B8/$file/AGRICULTURE_CENSUS-2010-100314.pdf?OpenElement)).

**Statistical Service of Cyprus.** 2012. *National Methodological Report (NMR) Farm Structure Survey 2009/2010. Survey on agricultural production methods 2009/2010*. Nicosia. Eurostat. (also available at [https://ec.europa.eu/eurostat/documents/749240/749313/CY\\_NMR\\_FSS\\_2010.pdf/acbbbbbbe-e865-4ea0-9519-955ab1dfef5e](https://ec.europa.eu/eurostat/documents/749240/749313/CY_NMR_FSS_2010.pdf/acbbbbbbe-e865-4ea0-9519-955ab1dfef5e)).

**14. CONTACT**

Statistical Service of Cyprus  
Address: Michael Karaoli Street, 1444 Nicosia, Cyprus  
Telephone: (+357) 22605124  
E-mail: [laalexandrou@cystat.mof.gov.cy](mailto:laalexandrou@cystat.mof.gov.cy).  
Website: <http://www.cystat.gov.cy>

<sup>2</sup> The following sources were used to update the farm register: (i) Cows register (held by the Statistical Service); (ii) Sheep and goats register (Statistical Service); (iii) Vines register (Statistical Service); (iv) Flower growers register (Ministry of Agriculture); (v) The Census of Agriculture, 2003; and (vi) Property tax registers (held by community councils in rural areas); (vii) Rabbits register (Ministry of Agriculture); (viii) Cereals and crops register (Statistical Service); (ix) Pigs register (Statistical Service); and (x) Cyprus Agricultural Payment Organization register.

# CYPRUS – CENSUS OF AGRICULTURE 2010 – MAIN RESULTS<sup>1</sup>

NUMBER OF HOLDINGS AND AREA, BY LEGAL STATUS		
	Holdings	Area (ha)
<b>Total</b>	<b>38 860</b>	<b>137 760</b>
Civil persons	38 390	123 610
An individual (sole holder holdings) <sup>2</sup>	38 390	123 610
Juridical persons (legal entities)	470	14 150

LAND TENURE		
	Holdings	UAA (ha)
<b>Total</b>	<b>38 860</b>	<b>118 400</b>
Legal ownership and owner-like possession (owned land)	34 860	54 580
Rented from others (land rented)	6 260	61 070
Other form of tenure (shared farming or other modes)	1 300	2 750

DISTRIBUTION OF UAA, BY LAND SIZE CLASSES		
	Holdings	UAA (ha)
<b>Total</b>	<b>38 860</b>	<b>118 400</b>
Holdings without UAA	490	
Holdings with UAA	38 370	118 400
Less than 2 ha	28 710	18 980
2–4,99 ha	5 620	17 390
5–9,99 ha	2 030	13 890
10–19,99 ha	1 010	13 980
20–29,99 ha	370	8 860
30–49,99 ha	290	10 960
50–99,99 ha	220	14 570
100 ha and over	120	19 770

LAND USE		
	Holdings	Area (ha)
<b>Total</b>	<b>38 860</b>	<b>137 760</b>
UAA	38 370	118 400
Arable land	15 870	84 870
Land temporarily fallow	7 280	9 460
Land under permanent crops	35 620	31 340
Permanent meadows and pastures	250	2 140
Kitchen garden	810	40
Other land	19 930	19 370
Wooded area	1 110	870
Unutilised agricultural land and other areas	19 510	18 500

MANAGERS BY SEX <sup>3</sup>		
	Number	UAA operated (ha)
<b>Total</b>	<b>38 860</b>	<b>118 400</b>
Male	30 850	107 040
Female	8 010	11 360

MEMBERS OF HOLDER'S HOUSEHOLD, BY SEX <sup>4</sup>	
	Number
<b>Total engaged in agricultural activities on the holding</b>	<b>39 340</b>
Male	19 040
Female	20 300

LABOUR FORCE OF THE HOLDING	
	Number
<b>Total</b>	<b>82 040</b>
Male	50 460
Female	31 580
Family labour force	77 730
Male	47 230
Female	30 510
Regular non-family labour force	4 310
Male	3 230
Female	1 080

MANAGERS BY SEX AND AGE <sup>5</sup>	
	Number
<b>Total</b>	<b>38 860</b>
Male	30 850
Female	8 010
Less than 35 years	1 020
Male	830
Female	190
35–44 years	3 660
Male	2 890
Female	770
45–54 years	9 740
Male	7 870
Female	1 870
55–64 years	11 630
Male	9 170
Female	2 460
65 years and over	12 810
Male	10 090
Female	2 720

LIVESTOCK		
	Holdings	Head
<b>Total holdings with livestock</b>	<b>9 950</b>	
Cattle	280	53 410
Sheep	1 390	267 490
Goats	1 990	241 640
Pigs/swine	630	330 390
Equines (Equidae)	360	1 270
Poultry (1 000 head) <sup>5</sup>	7 790	3 220
Poultry – broilers	2 570	2 400
Laying hens	7 270	550
Others	5 940	270
Other animals		
Rabbits (breeding females)	3 980	24 910
Insects		
Bees (hives)	220	20 420

METHODS OF IRRIGATION		
	Holdings	Irrigable area (ha)
<b>Total holdings with irrigable area</b>	<b>29 370</b>	<b>40 310</b>
<b>Holdings with irrigated area<sup>6</sup></b>	<b>28 190</b>	<b>28 290</b>
Surface	6 290	n.a.
Sprinkler	1 390	n.a.
Localized irrigation (drop irrigation)	24 250	n.a.

<sup>1</sup> Data source: Eurostat database – <https://ec.europa.eu/eurostat/web/agriculture/data/database>

<sup>2</sup> The categories in brackets are presented as indicated in the Eurostat database (if different from the WCA 2010).

<sup>3</sup> According to Eurostat, managers include holders that manage the holding themselves, and managers that are not holders, including of legal units.

<sup>4</sup> Data are presented without holders.

<sup>5</sup> Additional data are provided by the Statistical Service of Cyprus.

<sup>6</sup> Excluding kitchen garden and area under glass.