

Statistics in focus

AGRICULTURE AND FISHERIES

34/2005

Agriculture

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Structure of agricultural holdings

Cyprus 2003

A farm structure survey was carried out in all EU Member States – except Poland – in 2003. Poland has already executed this survey in 2002. The detailed results are now available for all Member States. This Statistics in Focus is part of a series of country-specific publications on these results, all following the same structure.

In Cyprus, on the turn of 2003/2004 about 28 400 agricultural holdings had an economic size of at least 1 ESU (European Size Unit)*.

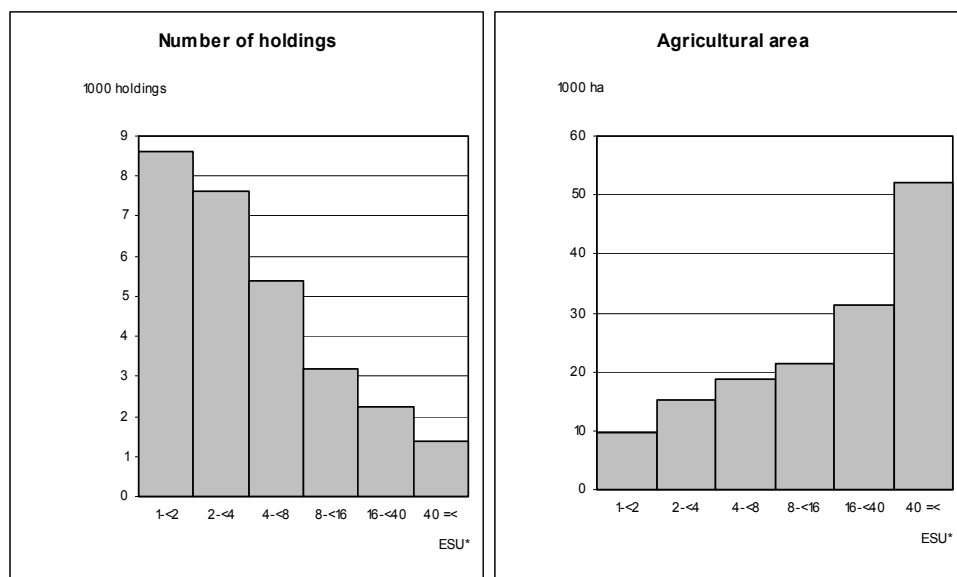
- These holdings employed 28 400 AWUs (annual work units), the equivalent of 28 400 persons working full time;
- they made use of 149 thousand ha of agricultural area, which is on average 5.2 hectare per holding.

Amongst these 28 400 agricultural holdings,

- 65% made use of less than one AWU, while 13% made use of 2 or more AWUs;
- 80% used less than 5 ha, while 1.5 % used 50 ha or more;
- 14% were mixed holdings, while 86% were specialised: for fruit and citrus fruit 31%, various permanent crops combined 18%, sheep, goats and other grazing livestock 8%, field cropping 7%, olive production 6%, cereals, oil seed and protein crops 5%, vineyards 5%, horticulture 5% (of which 20% under glass), dairies 1% and pigs and poultry 1%.

Amongst the 28 thousand sole holders

- 20% were women;
- 47% were aged 55 or more, and only 6% younger than 35 years;
- 50% had another gainful activity as major occupation.

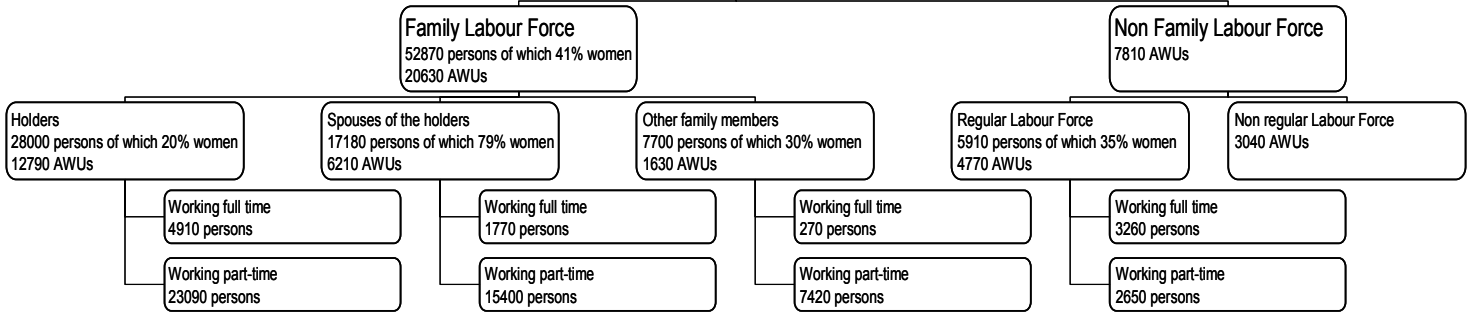


* ESU measures the economic size of the holdings (see methodological notes).

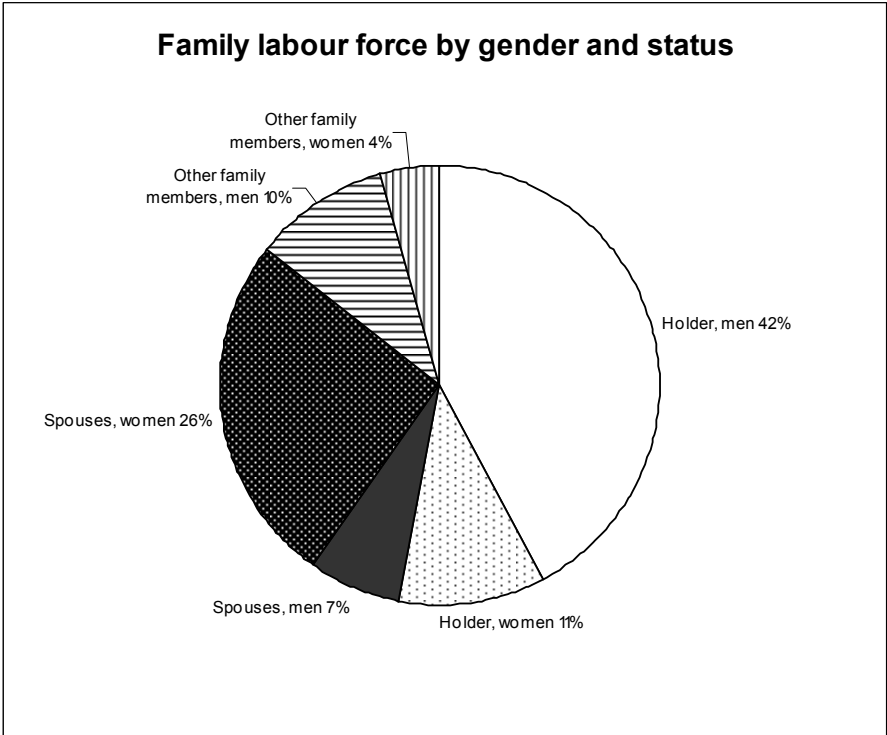


Cyprus, 2003 – Holdings of at least 1 ESU

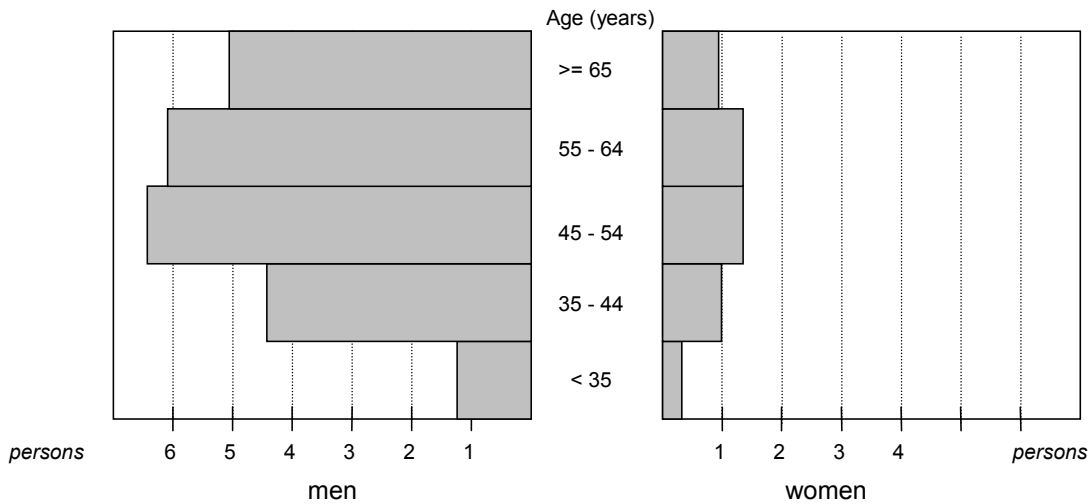
Agricultural Labour Force



Family labour force by gender and status



Farm managers



Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	40=<
Total labour force								
1000 annual work units	3.8	28.4	3.7	5.2	5.2	4.4	4.6	5.4
Family labour force								
1000 persons	27.3	52.9	15.0	14.1	10.4	6.4	4.6	2.4
1000 annual work units	3.3	20.6	3.2	4.5	4.4	3.5	3.2	1.9
Non-family labour regularly employed								
1000 persons	0.2	5.9	0.2	0.2	0.3	0.5	1.2	3.5
1000 annual work units	0.1	4.8	0.1	0.1	0.2	0.4	0.9	3.1
Non regular non family labour force								
1000 annual work units	0.4	3.0	0.4	0.6	0.6	0.5	0.5	0.4
Holding managers (1000)	16.8	28.4	8.6	7.6	5.4	3.2	2.2	1.4
- women (%)	30.4	18.0	23.4	20.5	16.4	13.4	8.1	4.9
- part-time - under 50 % (%)	96.6	61.2	88.2	72.6	54.2	31.6	12.2	4.4
- 50 % and over (%)	2.8	20.4	10.1	21.5	30.6	32.4	21.6	9.6
Sole/main holders (1000)	16.8	28.0	8.6	7.6	5.4	3.1	2.2	1.1
- women (%)	34.1	20.4	26.9	23.1	17.9	14.1	9.2	5.1
- distribution by age (%)								
- under 35 years	8.2	5.5	5.5	5.4	4.5	5.1	6.7	9.1
- from 35 to 44 years	21.6	19.2	19.1	17.4	17.7	19.5	23.9	29.7
- from 45 to 54 years	27.4	28.1	28.1	27.0	26.4	27.8	32.7	34.7
- from 55 to 64 years	23.0	26.0	24.8	26.6	27.2	28.1	25.4	20.0
- 65 years and over	19.8	21.2	22.4	23.6	24.2	19.5	11.2	6.4
- part-time - under 50 % (%)	96.8	62.4	88.8	73.4	54.7	32.2	12.2	4.6
- 50 % and over (%)	2.7	20.1	9.6	21.0	30.3	32.1	21.6	9.5
- with another gainful activity ¹ (%)	61.9	51.7	60.2	57.1	53.2	44.6	28.1	10.8
- as main occupation	61.8	50.2	59.9	56.5	51.9	41.4	22.4	7.0
- as a subsidiary occupation	0.1	1.5	0.3	0.7	1.4	3.2	5.6	3.8
Spouse of sole holder (1000)	8.0	17.2	4.7	4.7	3.5	2.1	1.5	0.7
- women (%)	63.6	79.2	71.8	76.3	81.9	84.9	90.0	94.3
- distribution by age (%)								
- under 35 years	8.2	7.1	6.7	7.0	6.1	6.7	9.2	11.3
- from 35 to 54 years	54.5	51.5	51.6	48.8	46.7	52.1	62.0	67.8
- 55 years and over	37.3	41.4	41.7	44.2	47.1	41.1	28.8	20.9
- part-time - under 50 % (%)	98.2	73.1	94.2	83.7	69.4	51.3	34.8	28.5
- 50 % and over (%)	1.5	16.6	5.0	13.1	22.4	29.3	29.0	23.7
- with another gainful activity (%)	55.3	39.1	47.6	43.9	37.8	31.6	23.5	13.3
- as main occupation	55.2	38.6	47.5	43.6	37.2	30.8	21.8	12.0
- as a subsidiary occupation	0.1	0.5	0.1	0.3	0.6	0.8	1.7	1.2
Other members of the holder's family working on the holding (1000)	2.5	7.7	1.7	1.8	1.6	1.1	0.9	0.5
- women (%)	33.6	29.7	30.6	31.5	30.9	30.5	26.1	22.2
- part-time - under 50 % (%)	98.3	89.2	95.9	93.5	92.0	86.8	79.5	67.5
- 50 % and over (%)	1.4	7.3	3.5	5.6	6.5	8.6	12.1	16.1
- with another gainful activity (%)	38.0	38.8	39.6	38.7	42.1	41.1	35.0	28.5

¹ Only holders being also farm managers.

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	40=<
Holdings								
- total number (1000)	16.8	28.4	8.6	7.6	5.4	3.2	2.2	1.4
- by legal personality of the holder (%)								
- sole holder	99.8	98.6	99.8	99.8	99.4	98.7	97.1	83.3
- legal person	0.2	1.4	0.2	0.2	0.6	1.3	2.9	16.7
- group holders	0	0	0	0	0	0	0	0
- by employed labour force (%)								
- under 1 AWU	98.1	64.6	92.3	78.5	57.8	32.7	10.6	2.2
- from 1 to less than 2 AWU	1.6	22.1	7.1	18.6	34.1	45.5	36.9	11.4
- from 2 to less than 3 AWU	0.2	8.5	0.6	2.6	7.4	18.7	36.9	26.1
- 3 AWU and over	0	4.7	0.1	0.3	0.8	3.1	15.6	60.3
- by agricultural area (%)								
- under 5 ha	99.9	80.2	97.8	92.2	81.9	60.4	35.0	17.3
- from 5 to less than 20 ha	0.1	15.3	2.2	7.8	16.9	31.9	48.9	39.7
- from 20 to less than 50 ha	0	3.0	0	0	1.2	7.3	9.7	23.9
- from 50 to less than 100 ha	0	0.9	0	0	0	0.3	5.1	9.6
- 100 ha and over	0	0.6	0	0	0	0	1.3	9.4
- by livestock size (%)								
- without livestock	86.9	64.4	77.3	70.3	60.5	49.2	42.0	37.8
- under 10 LSU ⁺	13.1	27.8	22.6	29.3	36.3	31.2	23.9	16.6
- from 10 to less than 20 LSU	0	2.7	0.1	0.2	2.8	14.3	5.0	1.8
- from 20 to less than 50 LSU	0	2.7	0	0.2	0.3	4.4	22.6	5.7
- from 50 to less than 100 LSU	0	1.0	0	0	0.2	0.3	5.0	11.3
- 100 LSU and over	0	1.5	0	0	0	0.7	1.4	26.8
- by farm type (%)								
... specialist cereals, oil seed and protein crops	6.1	5.2	5.4	5.0	4.7	5.7	6.3	3.8
... general field cropping	0.6	6.5	1.8	3.5	7.1	13.2	18.4	14.8
... specialist horticulture	0.4	5.0	1.6	2.1	4.5	8.1	13.8	22.5
... specialist vineyard	9.2	5.1	8.3	6.3	3.4	1.4	0.5	0
... specialist fruit and citrus fruit	17.6	30.6	33.3	36.8	36.4	25.2	10.2	2.0
... specialist olives	36.8	6.1	12.3	5.8	3.2	1.1	0.4	0.1
... various permanent crops combined	21.2	18.3	25.3	23.5	17.3	7.4	2.3	1.0
... specialist dairy farming	0	0.8	0	0	0	0.1	1.3	13.8
... specialist cattle – rearing and fattening	0	0	0	0	0	0	0	0
... cattle – dairy farming, rearing and fattening combined	0	0	0	0	0	0	0	0.1
... sheep, goats and other grazing livestock	0.5	7.5	1.4	3.2	7.5	17.6	25.9	15.4
... specialist granivores	0.9	1.1	0.7	0.6	0.6	1.2	1.5	8.6
... mixed cropping	2.8	10.4	7.0	10.2	11.5	14.0	14.5	13.8
... mixed livestock, mainly grazing livestock	0	0.6	0.1	0.5	0.9	1.2	1.2	0.7
... mixed livestock, mainly granivores	0.2	0.2	0.3	0.2	0.3	0.2	0.2	0
... field crops – grazing livestock combined	0	0.7	0.1	0.4	0.6	1.5	2.1	2.8
... various crops and livestock combined	2.5	2.0	2.4	1.9	1.9	2.1	1.3	0.9
- by farming methods (%)								
- organic farming	0.2	0.3	0.3	0.1	0.4	0.4	0.3	0.3
- irrigating	59.0	80.4	76.1	83.2	85.4	81.5	77.2	74.3
- with crops under glass	0	2.6	0	0.4	1.7	4.3	10.6	17.0
- % in less favoured or mountain area	0	0	0	0	0	0	0	0

+ LSU : Livestock Unit

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	40=<
Area (1000 ha)								
• Total area of agricultural holdings	17.3	179.8	16.8	22.8	25.4	25.3	34.2	55.3
• H. Other area	9.6	31.2	7.1	7.5	6.6	3.9	3.0	3.1
Wooded area	0.4	2.1	0.6	0.4	0.4	0.3	0.1	0.3
• Agricultural area	7.7	148.7	9.8	15.3	18.9	21.4	31.2	52.2
- D. Arable land	2.8	112.4	3.6	6.4	9.7	15.6	27.7	49.4
Cereals	1.9	71.9	3.0	5.0	7.2	10.9	18.2	27.7
<i>Common wheat and spelt</i>	0	0.4	0	0.1	0	0	0.2	0
<i>Durum wheat</i>	0.2	6.6	0.2	0.4	0.6	0.9	1.8	2.8
<i>Rye</i>	0	0.4	0	0	0	0.1	0.1	0.3
<i>Barley</i>	1.7	63.3	2.7	4.5	6.5	9.7	15.7	24.2
<i>Oats</i>	0	1.1	0	0	0.1	0.2	0.4	0.4
<i>Grain maize</i>	0	0	0	0	0	0	0	0
Dried pulses	0	0.7	0	0	0.1	0.1	0.2	0.3
Root crops	0	5.5	0	0.1	0.3	0.8	1.8	2.4
<i>Potatoes</i>	0	5.5	0	0.1	0.3	0.8	1.8	2.4
<i>Sugar beet</i>	0	0	0	0	0	0	0	0
<i>Fodder root</i>	0	0	0	0	0	0	0	0
Industrial crops	0	0.5	0	0	0.1	0.1	0.1	0.2
<i>Tobacco</i>	0	0.1	0	0	0	0	0	0.1
<i>Hops</i>	0	0	0	0	0	0	0	0
<i>Cotton</i>	0	0	0	0	0	0	0	0
<i>Rape and turnip</i>	0	0	0	0	0	0	0	0
<i>Sunflower</i>	0	0	0	0	0	0	0	0
<i>Soya</i>	0	0	0	0	0	0	0	0
Fresh vegetables, melons, strawberry	0	5.0	0	0.1	0.2	0.4	1.0	3.2
<i>outside</i>	0	4.6	0	0.1	0.2	0.4	0.9	3.0
<i>under glass</i>	0	0.4	0	0	0	0	0.1	0.2
Flower and ornamental plants	0	0.1	0	0	0	0	0	0.1
<i>outside</i>	0	0.1	0	0	0	0	0	0.1
<i>under glass</i>	0	0.1	0	0	0	0	0	0.1
Fodder plants	0	23.7	0.1	0.5	1.1	2.5	5.4	14.1
Fallow land	0.8	4.6	0.4	0.6	0.7	0.8	0.9	1.2
- E. Kitchen garden	0	0	0	0	0	0	0	0
- F. Permanent pasture and meadows	0	0.4	0	0	0	0.1	0.1	0.2
- G. Permanent crops	4.9	35.9	6.1	8.9	9.1	5.7	3.5	2.5
Fruit and berry plantation	0.6	8.6	1.1	2.0	2.4	1.6	0.9	0.4
Citrus plantation	0.2	4.7	0.4	0.8	1.0	0.9	0.6	1.0
Olive trees	2.4	10.2	2.1	2.6	2.4	1.5	1.0	0.7
Vineyard	1.4	11.1	2.1	3.3	3.0	1.6	0.8	0.4
Ratios								
Agricultural area per holding (ha)	0.5	5.2	1.1	2.0	3.5	6.7	13.9	37.8
Agricultural area... (%)								
... own farmed	83.7	41.9	81.3	77.9	68.3	47.8	27.5	20.6
... in less favoured or mountain area	0	0	0	0	0	0	0	0
... organic farmed	0.1	0.1	0.1	0	0.2	0.2	0.1	0.2
... irrigated	28.5	22.3	28.4	29.0	28.4	23.8	19.3	18.2
... under cover crop protecting soil	0	0	0	0	0	0	0	0

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	40=<
Total livestock (1000 LSU)	1.3	255.4	1.6	3.6	6.9	15.3	33.4	194.7
of which grazing (%)	46.7	42.6	45.0	60.2	74.5	71.4	75.0	33.2
Grazing livestock (1000 heads)								
Equidae	0.5	2.1	0.3	0.5	0.5	0.2	0.2	0.3
Bovine animals								
Under 1 year	0	20.3	0	0.1	0.1	0.2	1.3	18.5
From 1 to less than 2 years	0	10.1	0	0	0	0.1	0.4	9.6
Dairy cows	0	26.0	0	0	0	0.1	1.2	24.7
Other cows	0	0.2	0	0	0	0.1	0.1	0
Other bovine animals 2 years and older	0	4.5	0	0	0	0	0.2	4.3
Sheep	0.4	261.8	0.6	4.2	13.6	41.3	104.4	97.8
Goats	1.7	358.5	3.8	13.1	32.7	63.6	122.6	122.6
Granivores								
Pigs (1000 heads)								
Piglets < 20 kg	0	137.2	0.1	0.2	0.5	0.7	3.1	132.7
Breeding sows	0	58.1	0	0.1	0.2	0.4	1.2	56.2
Other pigs	0.1	237.6	0.2	0.3	0.6	1.5	7.7	227.3
Poultry (million heads)	0	4.5	0.1	0.1	0.1	0.5	0.6	3.2
Broilers	0	3.6	0	0.1	0.1	0.4	0.5	2.5
Laying hens	0	0.7	0	0	0	0	0.1	0.5
Other poultry	0	0.2	0	0	0	0	0	0.2
Rabbits, breeding females (1000 heads)	2.0	28.0	3.5	5.2	5.4	4.4	4.0	5.5
Beehives (1000)	0.5	21.1	1.4	2.8	5.9	3.8	3.7	3.6
Total livestock per holding with... (LSU/holding)								
Livestock	0.6	25.2	0.8	1.6	3.2	9.5	25.7	226.7
Grazing livestock	2.7	30.1	2.2	3.5	6.2	13.1	30.4	143.4
Bovine animals (cattle)	2.0	153.1	9.0	13.8	14.7	23.3	57.5	202.5
Cattle, other than cows	1.0	158.0	9.0	13.8	16.4	24.0	59.8	204.8
Granivores	0.4	23.1	0.7	1.3	2.5	8.0	22.6	280.8
Pigs	1.7	143.0	2.1	3.4	7.7	13.8	37.5	535.4
Average size of herds* (head/holding)								
Equidae	5.1	2.8	2.2	2.7	2.7	2.1	3.0	5.4
Dairy cows	:	102.2	:	2.0	2.3	8.8	34.4	117.8
Other cows	2.0	7.7	2.0	2.5	4.5	9.1	17.2	4.9
Sheep	17.1	149.1	12.3	26.3	45.5	88.0	200.0	377.6
Goats	11.7	118.1	15.9	26.7	50.0	93.9	185.3	391.8
Breeding sows	2.0	175.0	1.7	4.0	5.4	7.6	18.2	393.0
Other pigs > 20 kg	2.7	292.3	2.9	3.1	4.9	10.5	44.1	1159.5
Rabbits, breeding females	2.9	7.4	4.2	5.2	6.6	8.0	10.2	32.9
Laying hens (1000/holding)	0	0.1	0	0	0	0	0.1	1.4
Broilers (1000/holding)	0	1.1	0	0.1	0.1	0.8	1.4	11.2
Beehives (hive/holding)	15.6	89.8	31.4	45.1	83.0	135.5	161.9	399.4

* number of animals of a given livestock category per holding with this kind of animals

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<4	2-<4	4-<8	8-<16	16-<40	40=<
Holdings with another gainful activity than agricultural production:								
(% all holdings)	1.9	8.6	4.0	6.7	10.0	13.5	17.6	17.0
Tourism	0	0	0	0.1	0.1	0	0.1	0
Handicraft	0.1	0.2	0.2	0.2	0.2	0.2	0	0
Processing of farm products	1.8	7.6	3.5	6.0	9.2	12.2	14.9	14.0
Wood processing	0	0	0	0	0	0	0	0
Aquaculture	0	0	0	0	0	0	0	0
Renewable energy production	0	0	0	0	0	0	0	0.1
Contractual work	0	0.8	0.3	0.4	0.5	1.3	2.7	3.4
Other gainful activities n.a.e	0	0	0	0	0	0	0	0.2

➤ METHODOLOGICAL NOTES

The survey on the structure of agricultural holdings in Cyprus was carried out between October 2003 and March 2004 as a full scope agricultural census. Prior to this survey full-scale agricultural census has been conducted last time in 1994. The reference period of census 2003 was from 1st October 2002 until 30 September 2003.

The target population was all the holdings with a threshold of at least 0.1 ha of total area, or at least 0.05 ha land under glass, or certain number of livestock (e.g. 1 cow, 2 bigger animals, 5 smaller animals, 50 poultry). The households in rural areas were visited door to door, while in urban areas a list of agricultural producers (holders) were a priori compiled using administrative and statistical data sources. A pilot survey on 500 holdings was carried out in the autumn of 2002 in order to test the planned questionnaire.

The data are multi-level checked. There was no item or unit non-response.

For each activity ('enterprise') on a farm (for instance wheat, dairy cow or vineyard), a **standard gross margin (SGM)** is estimated, based on the area (or the number of heads) and a regional coefficient. The sum of such margins in a farm is its **economic size**, expressed in **European Size Units (ESU)**. 1 ESU is equal to 1200 euros.

Due to differences in the coverage of units of less than 1 ESU across Member States, these data are not comparable between countries. That is why the present analysis and graphs focus on the holdings of at least one ESU.

Each farm is classified in the community typology by its economic size and its **type of farming**, depending on the share of each enterprise in its economic size. For instance, a farm where breeding sows account for more than 2/3 of the economic size is classified as *specialist pig rearing* (type 5011). Depending on the level of aggregation, farms are grouped into 8 to 70 types.

Annual working unit (AWU) means the labour force working yearly like a worker employed on full time basis, it is 2080 hours (260 working days of 8 working hours per day).

➤ REFERENCE PUBLICATIONS

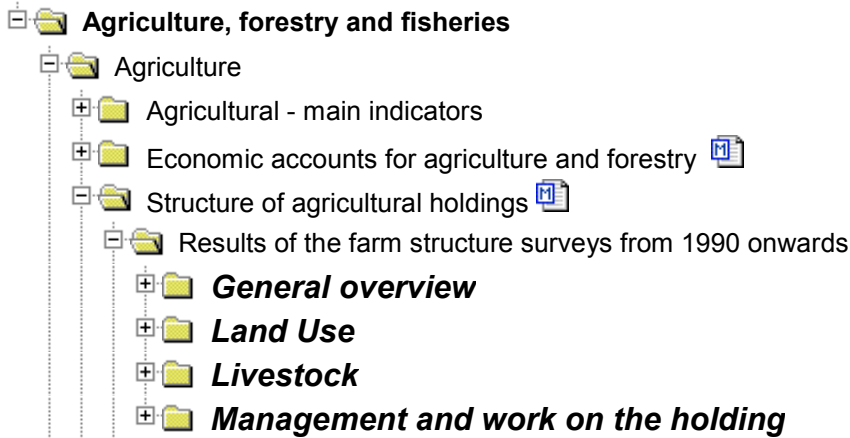
Preliminary results of the census of agriculture 2003, Press release on 16 July 2004, Statistical Service of the Republic of Cyprus, Nicosia

Analytical and final results of the census of agriculture 2003, Statistical Service of the Republic of Cyprus, September 2005 (planned)

Website of the Statistical Service of the Republic of Cyprus: www.mof.gov.cy/mof/cystat

Further information:

Databases: [EUROSTAT Website/Theme: Agriculture and Fisheries/Data](#)



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