

Farm Structure Survey in Cyprus - 2007

1 out of 3 farms specialised in fruit and citrus fruit.

This Statistics in Focus is part of a series of country-specific publications on the results of the Farm Structure Survey (FSS) 2007. It provides a brief but nevertheless comprehensive insight into the farm structure in Cyprus.

40 100 agricultural holdings were recorded in Cyprus in the 2007 Farm Structure Survey (11% fewer than in 2005). The total utilised agricultural area has also decreased by 4%, reaching 146 000 ha. The agricultural labour force dropped by 10%.

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Due to the different coverage of the FSS across Member States, the total number of farms is not comparable between countries. This is why the present analysis, including Tables 1-4 and the graphs focus on holdings of at least one European Size Unit (ESU). See the methodological notes for more information on the concept of ESU.

In 2007, 28 100 (70%) of the **agricultural holdings** had an economic size of at least 1 ESU, compared with 29 900 in 2005 (a 6% reduction).

They use about **138 000 ha of utilised agricultural area** (UAA), a decrease of 3% compared with 2005. This area represents 95% of the UAA in Cyprus and an average of 5 ha per holding.

These holdings employed **23 800 AWUs** (annual work units), the equivalent of 23 800 people working full time; (8% less than 2005). The average area per AWU is 5.8 ha.

They had **245 900 livestock units** (LSU) in 2007, slightly more (1%) than in 2005.

Amongst these **28 100** agricultural holdings:

75% made use of less than one AWU, while another 9% made use of 2 or more AWUs;

96% used less than 20 ha, while 1% used 50 ha or more;

20% produced mainly for own consumption and 8% produced mainly for direct sales;

79% of Cypriot farms specialise in crops.

32% of the holdings were specialists in fruit and citrus fruit;

20% specialised in various permanent crops combined;

11% of the holdings were engaged in mixed cropping.

The family labour force has decreased by 6% from 2005 to 2007 and it now represents 73% of the total labour force in Cyprus.

Amongst the sole holders:

22% were women;

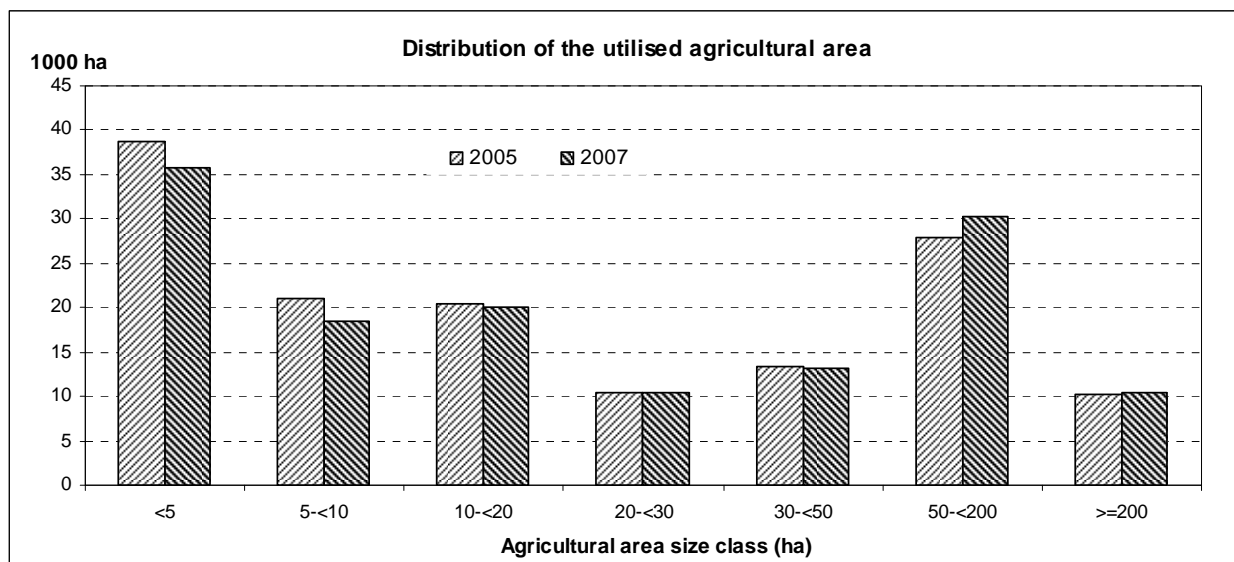
60% were aged 55 or more and only 2% were younger than 35 years;

44% of the sole holders had another gainful activity in 2007.

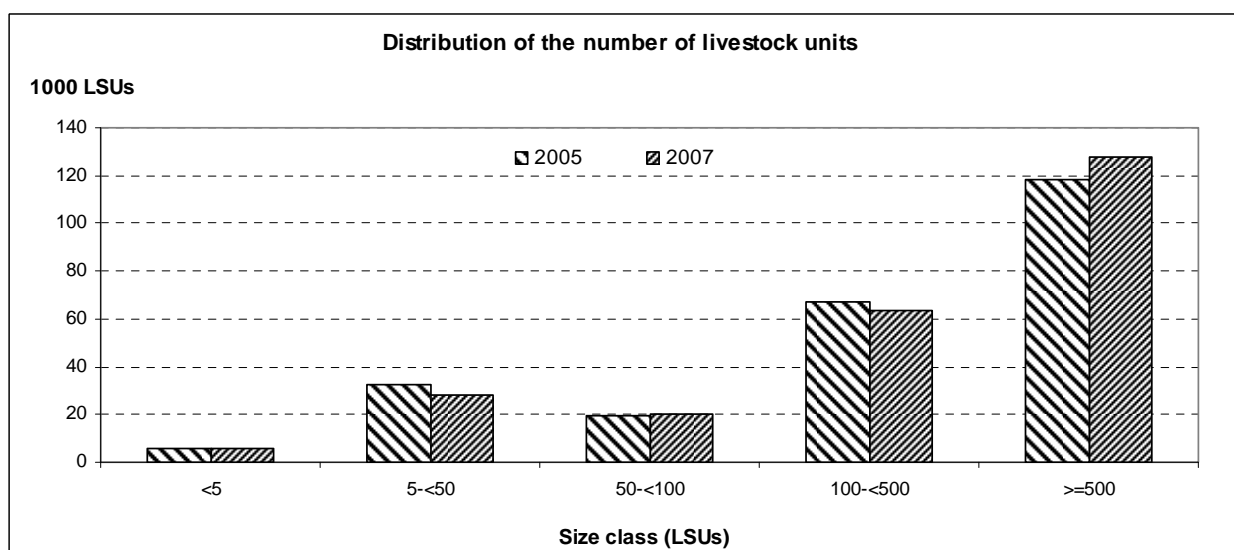
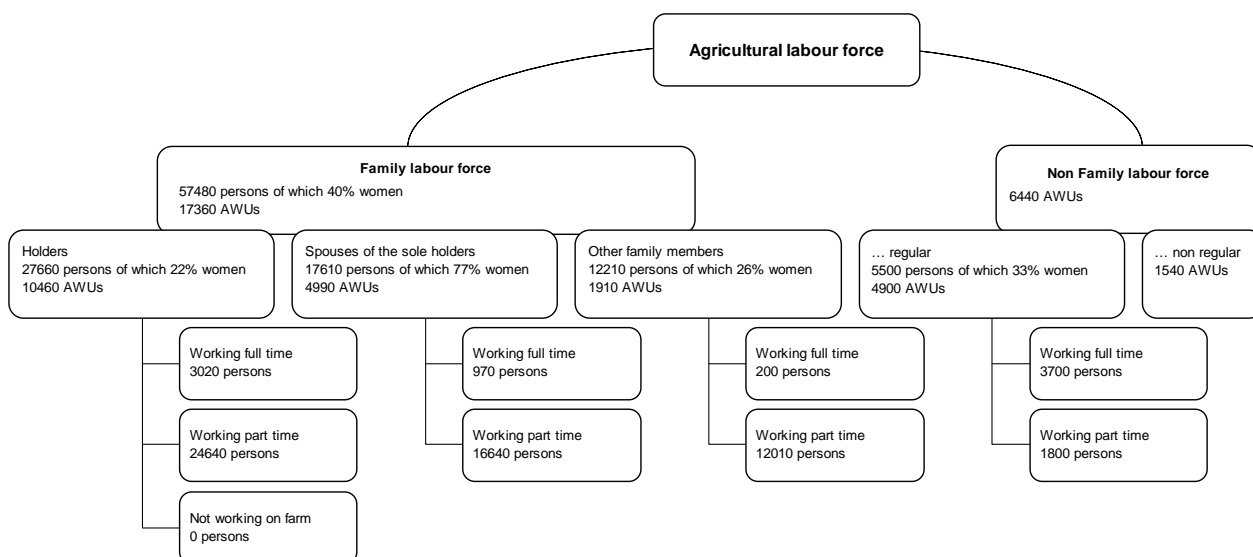
In Cyprus in 2007, 56 700 ha (41%) of the agricultural area was farmed by its owners (a 9% reduction since 2005).

The area of permanent crops decreased by 10% from 2005 to 2007. The percentage of the area of permanent crops in the total UAA dropped by 2 points, reaching 23.8% in 2007.

The trends in livestock varied from an increase in pigs (+8%) to a decrease in cattle (-2%), sheep (-4%) and goats (-11%).



Description of the labour force in Cyprus



*LSUs = Livestock Unit

Table 1 – Labour force by size of the farms

Size of the farms	Agricultural area (ha)				All farms	Livestock (LSU*)				
	<5	5-<20	20-<50	>=50		0	>0-<5	5-<50	>=50	
Total labour force										
1000 annual work units	14.9	5.8	1.9	1.2	23.8	12.4	6.2	2.6	2.6	
Family labour force										
1000 persons	46.8	8.5	1.5	0.6	57.5	37.2	15.6	3.6	1.1	
1000 annual work units	12.3	3.8	0.9	0.4	17.4	9.4	5.0	2.2	0.8	
Non-family labour regularly employed										
1000 persons	2.0	1.7	1.0	0.8	5.5	2.3	1.0	0.4	1.8	
1000 annual work units	1.8	1.5	0.8	0.7	4.9	2.0	0.8	0.3	1.7	
Non regular non family labour force										
1000 annual work units	0.8	0.5	0.2	0.0	1.5	1.0	0.4	0.1	0.0	
Holding managers	1000	22.8	4.1	0.8	0.4	28.1	18.3	7.4	1.7	0.7
- women	(%)	18.9	9.5	4.2	1.3	16.8	18.0	16.7	10.5	4.7
- part-time:	(%)	77.9	47.2	24.2	16.4	71.0	79.5	68.1	17.6	5.9
- 50 % and over	(%)	15.6	23.6	17.4	18.2	16.8	14.1	21.9	27.6	7.9
Sole/main holders	1000	22.6	4.0	0.7	0.3	27.7	18.2	7.4	1.6	0.5
- women	(%)	24.3	12.0	7.6	3.1	21.8	23.7	20.2	12.0	6.5
-distribution by age	(%)									
- under 35 years		2.1	1.9	9.0	6.9	2.3	2.5	1.3	3.8	6.0
- from 35 to 44 years		11.3	12.1	18.3	19.1	11.7	12.4	8.5	15.0	23.9
- from 45 to 54 years		25.7	28.2	33.0	40.0	26.4	27.6	22.2	27.8	40.1
- from 55 to 64 years		30.0	28.9	22.4	17.8	29.5	29.3	30.2	31.4	22.0
- 65 years and over		30.8	28.8	17.2	16.3	30.0	28.2	37.7	21.9	7.8
- part-time:	(%)	78.6	48.3	26.6	19.7	72.2	80.2	68.5	17.9	8.8
- 50 % and over	(%)	15.7	24.2	19.2	21.9	17.1	14.3	22.0	28.0	11.9
- with another gainful activity ¹	(%)	45.3	35.6	29.6	20.3	43.1	46.9	39.7	31.0	9.8
- as a main occupation		44.1	32.8	22.8	14.0	41.4	45.9	37.5	25.6	4.5
- as a subsidiary occupation		1.2	2.8	6.8	6.5	1.7	1.0	2.1	5.4	5.5
Spouse of sole holder	1000	14.5	2.5	0.4	0.2	17.6	11.2	5.0	1.1	0.3
- women	(%)	74.3	87.3	90.5	94.4	76.7	73.8	80.4	86.3	92.6
-distribution by age	(%)									
- under 35 years		2.6	2.7	8.8	5.6	2.8	2.9	2.1	3.5	9.8
- from 35 to 54 years		41.7	44.8	61.3	67.5	42.8	44.6	36.1	47.5	69.5
- 55 years and over		55.7	52.5	30.1	26.9	54.4	52.4	61.8	49.0	20.7
- part-time:	(%)	87.3	65.9	43.2	56.9	82.9	88.9	80.4	48.6	27.4
- 50 % and over	(%)	9.6	20.2	28.2	13.8	11.6	8.7	14.1	24.4	28.8
- with another gainful activity	(%)	39.3	24.9	17.2	13.1	36.5	41.3	30.7	20.2	13.7
Other members of the holder's family working on the holding	1000	9.7	2.0	0.4	0.2	12.2	7.9	3.2	0.8	0.3
- women	(%)	27.1	26.4	16.2	13.5	26.5	26.9	28.3	18.8	18.2
- part-time:	(%)	96.5	87.0	74.7	67.5	93.9	96.6	95.0	79.5	54.2
- 50 % and over	(%)	2.7	9.6	17.0	15.3	4.4	2.9	4.3	14.1	18.5
- with another gainful activity	(%)	55.3	56.3	48.9	42.9	55.1	53.3	62.3	53.9	30.2

*LSU = Livestock unit

¹ Only holders who are also farm managersSource: Eurostat ([ef_ov_lfft](#))

": not available. "0" less than a half of the unit or nil. Differences between totals and sub items can appear due to rounding.

Size of the farms	Agricultural area (ha)				All farms	Livestock (LSU)				
	<5	5-<20	20-<50	>=50		0	>0-<5	5-<50	>=50	
Holdings										
- total number	1000	22.8	4.1	0.8	0.4	28.1	18.3	7.4	1.7	0.7
- by legal personality of the holder	(%)									
- sole holder		99.0	97.8	90.9	83.3	98.4	99.2	99.4	98.6	66.7
- legal person		1.0	2.2	9.1	16.9	1.6	0.8	0.6	1.4	33.3
- group holders		0	0	0	0	0	0	0	0	0
- by employed labour force	(%)									
- under 1 AWU		82.2	48.1	25.5	21.6	74.8	82.5	74.6	21.5	1.0
- from 1 to less than 2 AWU		13.3	27.5	22.2	24.2	15.8	12.2	17.1	50.3	13.2
- from 2 to less than 3 AWU		3.0	13.3	23.0	15.9	5.2	2.6	5.2	22.5	33.5
- 3 AWU and over		1.5	11.1	29.3	38.5	4.2	2.6	3.0	5.7	52.3
- by economic size	(%)									
- from 1 to less than 8 ESU		87.0	32.9	5.1	1.0	75.6	81.7	78.2	27.9	0.9
- from 8 to less than 16 ESU		8.4	26.8	16.1	0.5	11.2	9.2	12.3	31.6	2.4
- from 16 to less than 40 ESU		3.5	26.1	25.0	21.1	7.6	5.7	6.2	32.2	15.8
- from 40 to less than 100 ESU		0.8	11.9	39.9	35.2	4.0	2.4	2.7	7.6	52.4
- 100 ESU and over		0.4	2.2	14.0	42.2	1.6	1.0	0.6	0.7	28.3
- by type of farming (top 5 + 'other')	(%)									
... specialist fruit and citrus fruit		38.2	8.9	1.5	0.3	32.3	39.7	24.3	1.1	0
... various permanent crops combined		22.1	10.3	1.3	0.5	19.5	20.3	23.4	1.7	0.1
... mixed cropping		9.7	15.6	10.8	6.3	10.5	9.1	16.3	4.8	1.1
... general field cropping		5.3	24.2	30.0	30.5	9.1	9.9	9.2	3.8	0.4
... specialist olives		7.0	1.7	0.1	0	5.9	7.6	3.7	0.2	0
Other types of farming		17.7	39.3	56.3	62.5	22.5	13.5	23.0	88.3	98.3
- by farming methods	(%)									
- organic farming		0.6	1.0	2.0	0.8	0.7	0.9	0.4	0.5	0
- irrigating		85.0	72.9	67.3	59.9	82.4	85.3	84.9	54.6	46.6
- with crops under glass		2.0	4.0	3.6	2.9	2.3	2.3	3.0	0.8	0.3
- with another gainful activity than agricultural production:	(%)									
Tourism		6.7	12.5	16.0	22.1	8.0	5.4	8.9	26.7	21.4
Handicraft		0	0	0	0	0	0	0	0.2	0
Processing of farm products		0	0	0	0	0	0	0.1	0	0
Wood processing		6.6	11.7	12.4	9.6	7.5	5.0	8.5	25.5	20.3
Aquaculture		0	0	0	0	0	0	0	0	0
Renewable energy production		0	0	0	0	0	0	0	0	0
Contractual work		0	0	0	0	0	0	0	0	0
Other gainful activities n.a.e		0.1	0.8	4.0	13.0	0.5	0.4	0.3	1.2	1.3
Other gainful activities n.a.e		0	0	0	0	0	0	0	0	0

*LSU = Livestock unit

Source: Eurostat ([ef_ov_kvaesu](#))

": not available. "0" less than a half of the unit or nil. Differences between totals and sub items can appear due to rounding.

Size of the farms	Agricultural area (ha)				All farms	Livestock (LSU)				
	<5	5-<20	20-<50	>=50		0	>0-<5	5-<50	>=50	
Area	(1000 ha)									
Total area of agricultural holdings	56.7	42.8	24.6	41.2	165.4	89.9	34.6	18.4	22.5	
· H. Other area	21.0	4.3	1.1	0.4	26.9	17.8	6.1	1.4	1.6	
Wooded area	1.2	0.4	0	0.2	1.8	1.5	0.3	0	0	
· Agricultural area	35.7	38.6	23.5	40.8	138.5	72.1	28.5	17.0	20.9	
- D. Arable land	12.2	30.7	21.5	39.3	103.7	50.2	18.9	15.1	19.5	
Cereals	2.8	9.5	7.3	18.4	38.0	22.3	7.1	5.1	3.5	
<i>Common wheat and spelt</i>	0	0	0	0.1	0.2	0	0	0	0.1	
<i>Durum wheat</i>	0.4	0.8	1.0	2.0	4.2	2.9	1.0	0.3	0.1	
<i>Rye</i>	0	0	0.1	0.1	0.2	0	0.1	0	0	
<i>Barley</i>	2.3	8.2	5.9	15.0	31.4	18.4	5.7	4.4	3.0	
<i>Oats</i>	0.1	0.3	0.3	0.8	1.5	0.7	0.2	0.3	0.3	
<i>Grain maize</i>	0	0	0	0	0.1	0	0	0	0	
Dried pulses	0.1	0.2	0.1	0.1	0.5	0.2	0.2	0.1	0	
Root crops	0.9	2.5	1.3	0.3	5.0	3.2	1.4	0.3	0.1	
<i>Potatoes</i>	0.9	2.5	1.3	0.3	5.0	3.2	1.4	0.3	0.1	
<i>Sugar beet</i>	0	0	0	0	0	0	0	0	0	
<i>Fodder root</i>	0	0	0	0	0	0	0	0	0	
Industrial crops	0.1	0	0	0	0.2	0.1	0	0	0	
<i>Tobacco</i>	0	0	0	0	0	0	0	0	0	
<i>Hops</i>	0	0	0	0	0	0	0	0	0	
<i>Cotton</i>	0	0	0	0	0	0	0	0	0	
<i>Rape and turnip</i>	0	0	0	0	0	0	0	0	0	
<i>Sunflower</i>	0	0	0	0	0	0	0	0	0	
<i>Soya</i>	0	0	0	0	0	0	0	0	0	
Fresh vegetables, melons, strawberry	1.2	1.8	0.6	1.2	4.9	2.8	1.9	0.1	0.1	
<i>outside</i>	1.1	1.7	0.6	1.2	4.6	2.6	1.8	0.1	0.1	
<i>under glass</i>	0.2	0.1	0	0	0.3	0.2	0.1	0	0	
Flower and ornamental plants	0.1	0	0	0	0.1	0.1	0	0	0	
<i>outside</i>	0	0	0	0	0.1	0	0	0	0	
<i>under glass</i>	0.1	0	0	0	0.1	0.1	0	0	0	
Forage plants	3.4	11.0	10.2	17.1	41.6	13.1	4.5	8.5	15.5	
Fallow land	3.6	5.4	1.8	2.3	13.2	8.1	3.8	1.0	0.3	
- E. Kitchen garden	0	0	0	0	0	0	0	0	0	
- F. Permanent pasture and meadows	0.1	0.5	0.5	0.7	1.9	0	0.2	0.7	1.0	
- G. Permanent crops	23.3	7.4	1.5	0.8	32.9	21.9	9.4	1.2	0.4	
Fruit and berry plantation	6.4	1.3	0.3	0.1	8.1	5.5	2.4	0.2	0.1	
Citrus plantation	2.7	1.0	0.2	0.1	4.0	2.9	1.0	0.1	0	
Olive trees	7.2	2.0	0.5	0.3	10.0	6.8	2.5	0.4	0.2	
Vineyard	6.5	2.7	0.4	0.2	9.8	6.0	3.2	0.4	0.2	
Ratios										
Agricultural area per holding	(ha)	1.6	9.3	30.0	106.2	4.9	3.9	3.8	10.2	30.1
Agricultural area...	(%)									
... own farmed		80.9	47.6	21.7	10.6	40.9	48.5	51.6	22.9	14.8
... in less favoured or mountain area		0	0	0	0	0	0	0	0	0
... organic farmed		0.7	0.6	1.0	0	0.5	0.9	0.2	0.1	0
... irrigated		42.0	23.2	14.3	6.3	21.6	26.4	29.2	8.5	5.1

*LSU = Livestock unit

Source: Eurostat ([ef_ov_lusum](#))

":" not available. "0" less than a half of the unit or nil. Differences between totals and sub items can appear due to rounding.

Size of the farms		Agricultural area (ha)				All farms	Livestock (LSU)			
		<5	5-<20	20-<50	>=50		0	>0-<5	5-<50	>=50
Total livestock	(1000 LSU)	146.8	38.3	31.8	28.9	245.9	0	5.9	28.5	211.5
of which grazing	(%)	12.3	77.5	73.3	85.3	39.0	:	40.7	91.7	31.8
Grazing livestock	(1000 heads)									
Equidae		0.8	0.7	0.2	0	1.7	0	0.4	0.8	0.5
Bovine animals		3.5	12.1	16.2	26.6	58.5	0	0	0.9	57.6
Under 1 year		1.1	4.4	6.0	9.0	20.5	0	0	0.4	20.1
From 1 to less than 2 years		0.6	2.3	3.0	5.0	10.9	0	0	0.1	10.8
Dairy cows		1.5	4.3	6.2	10.7	22.6	0	0	0.2	22.5
Other cows		0.3	0.7	0.7	0.8	2.6	0	0	0.2	2.4
Other bovine animals 2 years and older		0.1	0.4	0.4	1.0	1.9	0	0	0	1.8
Sheep		55.7	103.5	62.8	21.4	243.4	0	5.6	114.4	123.3
Goats		92.7	102.6	53.9	30.9	280.2	0	15.0	134.4	130.8
Granivores										
Pigs	(1000 heads)	387.8	31.9	30.2	8.1	458.0	0	1.0	2.1	454.9
Piglets < 20 kg		105.3	10.8	5.6	3.7	125.4	0	0.3	0.9	124.1
Breeding sows		47.8	3.8	3.9	1.3	56.8	0	0.2	0.6	56.0
Other pigs		234.7	17.3	20.8	3.1	275.8	0	0.5	0.5	274.8
Poultry	(million heads)	3.6	0.1	0	0.1	3.8	0	0.2	0.1	3.5
Broilers		3.0	0.1	0	0	3.1	0	0.1	0	3.0
Laying hens		0.5	0	0	0	0.5	0	0.1	0	0.4
Other poultry		0.1	0	0	0.1	0.2	0	0	0	0.1
Rabbits, breeding females	(1000 heads)	21.5	5.0	0.6	0.2	27.4	0	16.4	10.6	0.4
Beehives	(1000)	12.8	3.3	0.1	0	16.3	11.8	4.4	0.1	0
Average size of herds*	(head/holding)									
Equidae	(head/holding)	2.8	3.7	4.4	2.1	3.2	:	1.3	5.3	7.3
Cattle	(head/holding)	74.9	157.4	195.1	328.7	203.0	:	2.4	19.3	246.0
Dairy cows	(head/holding)	50.1	68.6	90.5	141.1	95.6	:	:	7.9	104.1
Other cows	(head/holding)	20.6	21.2	19.6	38.5	24.2	:	3.0	12.0	26.6
Sheep	(head/holding)	86.4	193.0	356.8	274.7	169.7	:	18.1	129.4	516.1
Goats	(head/holding)	69.1	131.4	249.7	328.8	115.2	:	16.0	109.1	491.6
Pigs	(head/holding)	837.7	166.1	604.4	350.5	628.2	:	3.1	8.9	2513.5
Breeding sows	(head/holding)	221.3	37.7	138.4	74.8	156.8	:	1.9	4.6	380.9
Other pigs > 20 kg	(head/holding)	688.4	115.9	649.3	190.8	512.7	:	2.1	3.3	1761.8
Rabbits, breeding females	(head/holding)	7.1	8.4	5.4	6.0	7.2	:	5.0	24.5	4.7
Laying hens	(1000/holding)	0.1	0	0	0.3	0.1	:	0	0	2.0
Broilers	(1000/holding)	1.3	0.1	0	0	1.0	:	0	0.1	21.6
Beehives	(hive/holding)	77.4	55.6	11.1	3.0	68.9	97.5	44.4	7.4	3.3

*LSU = Livestock unit

Source: Eurostat ([ef_ov_lssum](#))

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular Labour force	(1000 pers)	84.5	21.5	63.0	25.5	74.5
Regular labour force	(1000 AWU)	24.3	2.0	22.3	8.3	91.7
Holder with...	(1000)	39.7	12.0	27.7	30.3	69.7
... at least 65 years		11.7	3.4	8.3	29.0	71.0
... another gainful activity		18.1	6.0	12.1	33.1	66.9
Number of sole holdings	(1000)	40.1	12.0	28.1	29.9	70.1
... producing mainly for own consumption		15.9	8.0	7.9	50.2	49.8
... producing mainly for direct sales		4.0	0.7	3.4	16.8	83.2
SGM	(1000 ESU)	320.7	6.0	314.7	1.9	98.1
Agricultural area	(1000 ha)	146.0	7.5	138.5	5.1	94.9
... own farmed		63.0	6.3	56.7	10.0	90.0
Livestock	(1000 LSU*)	246.7	0.8	245.9	0.3	99.7

*LSU = Livestock unit

➤ METHODOLOGICAL NOTES

The Agricultural Statistics section of the Statistical Service of Cyprus conducted the FSS 2007 Cyprus. The FSS 2007 was the second survey after the last Agricultural Census in 2003 (AC 2003). It was carried out using a combination of exhaustive (for the agricultural holdings with at least 16 ESU) and sample survey (for the other holdings). The reference period was October 2006 to September 2007 except for livestock with the 1st November 2007 as the reference day. Questionnaires were filled out through personal interviews from November 2007 until April 2008.

In Cyprus all technical and economic units under a single management producing agricultural products was considered in the survey population if it had an UAA of at least 5 ares ha or at least one cow or two other large animals or five small animals or 50 fowls or 20 beehives.

The FSS 2007 used the farm register as basis for the 2007 survey, this population frame of 44 700 holdings was the result of the AC 2003, updated with further surveys on vines, cereal, fruit and livestock carried out between 2003 and 2007. From this frame 3 557 farms were extracted into the exhaustive stratum (with at least 16 ESU). 9 943 holdings were selected from the remaining farms using a stratified random sample, based on the typology and economic size. The sampling rate for the FSS 2007 was 30%.

The non-response rate in the 2007 FSS in Cyprus was 7.5%. Due to non-response the extrapolation factors were re-weighed.

Between FSS 2005 and 2007 "maintaining land in good agricultural and environmental conditions" (GAEC) became an agricultural activity and the concerned land has been included in the agricultural area. In Cyprus it covers close to 560 ha, all in holdings with at least 1 ESU.

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 a 1200-euro SGM).

An Annual work unit (AWU) is equivalent to a worker employed on a full time basis for one year. In Cyprus it is 2080 hours (260 working days of 8 working hours per day).

A Livestock Unit (LSU) is equivalent to a dairy cow. The number of animals (number of heads) is converted into LSU using a set of coefficients reflecting the feed requirements of the different animal categories.

➤ REFERENCE PUBLICATIONS

Website of the Statistical Service of the Republic of Cyprus: <http://www.pio.gov.cy/mof/cystat/statistics.nsf/>

National Methodological Report – FSS 2007 (available on request).

Further information

Data: [Eurostat Website: http://ec.europa.eu/eurostat](http://ec.europa.eu/eurostat)

Data on "Agriculture Statistics":

<http://epp.eurostat.ec.europa.eu/portal/page/portal/agriculture/data/database>

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