

Farm structure in Lithuania - 2007

Number of medium size holdings: - 36% from 2005 to 2007.

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 Lithuania.

* * *

230 thousand agricultural holdings were recorded in Lithuania in the 2007 Farm structure survey (9% less than in 2005). This drop results mainly from a fall of 36% in the number of medium size holdings (from 5 to 50 ha).

* * *

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 ESU. See the methodological notes for more information on the concept of ESU.

In 2007, about **85.3 thousand agricultural holdings** had an economic size of at least 1 ESU, compared to 128.6 thousand in 2005.

- They made use of **2.1 million ha of utilised agricultural area**, which is on average 25 ha per holding (compared to 18.2 ha in 2005);
- These holdings employed **111.2 thousand AWUs** (annual work units), the equivalent of 111.2 thousand people working full time; (- 27% compared to 2005). This drop results mainly from the decrease in the labour force in medium size farms (<50ha);
- They had **0.9 million livestock units (LSU)** in 2007, 19.5% less than in 2005.

Amongst these 85.3 thousand agricultural holdings:

- 50% made use of less than one AWU, while another 9.5% made use of 2 or more AWUs;

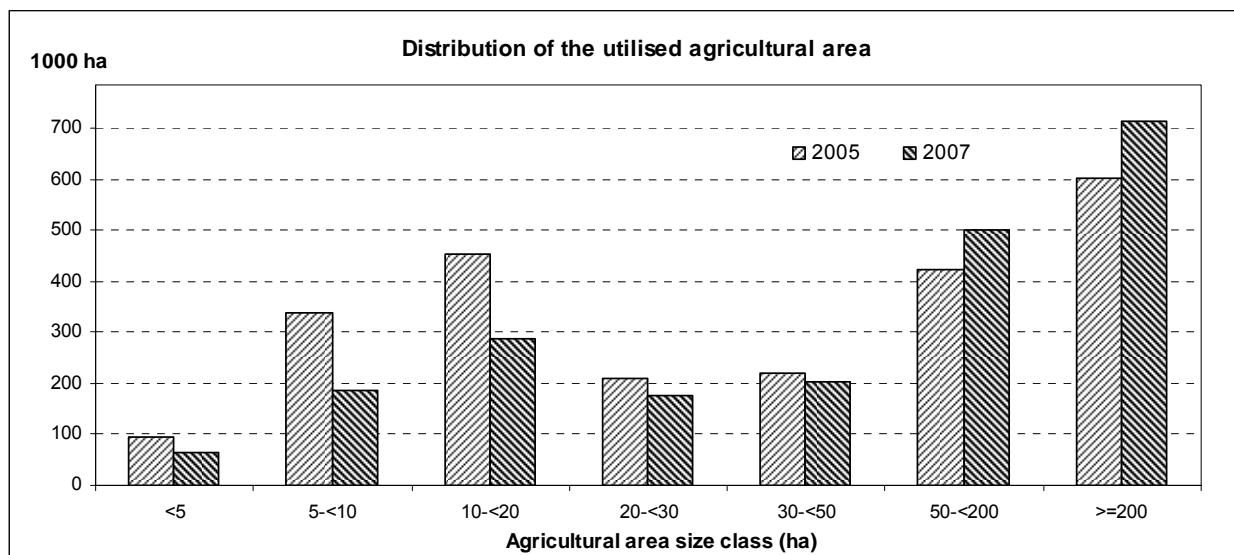
- 23% used less than 5 ha, while 8% used 50 ha or more;
- 28% were producing mainly for own consumption, almost 15 000 holdings fewer than in 2005;
- 33% were holdings of the type mixed cropping;
- 45% were engaged in mixed livestock;
- 22% were mixed farms.

Amongst the sole holders:

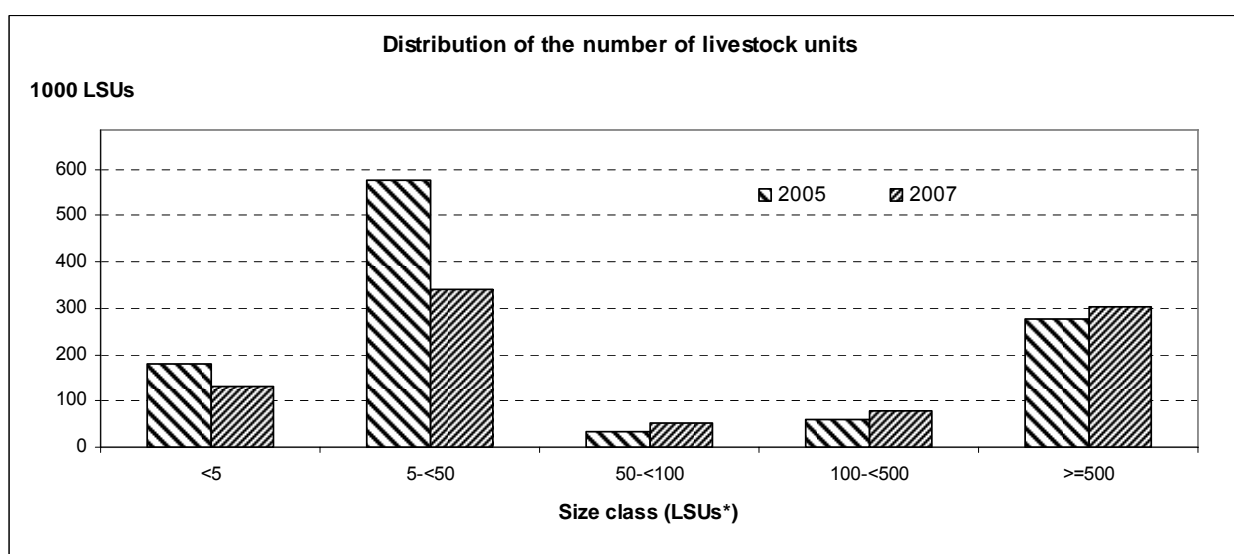
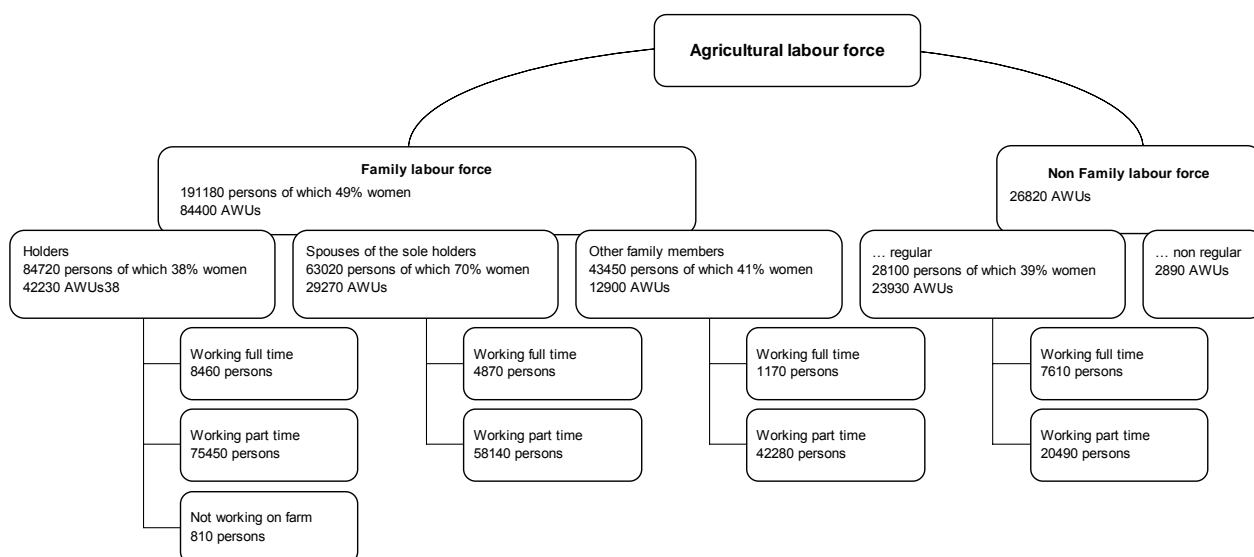
- 38% were women in 2007, (as in 2005);
- 48% were aged 55 or more, and 6% were younger than 35 years;
- 33% of family labour force had another gainful activity in 2007 (compared to 28% in 2005);
- Family labour force has decreased from 2005 to 2007 (-34%), in contrast to non family labour force.

In Lithuania in 2007, 44% of the agricultural area was owned by farmers (more than 70% in the holdings with less than 20 hectares).

53 353 ha were organically farmed (2.5% of the utilised agricultural area, compared to 0.6% in 2005).



Description of the labour force in Lithuania



*LSUs = Livestock units

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	18.0	46.3	17.2	29.7	111.2	10.9	41.0	40.3	19.0	
Family labour force										
1000 persons	42.7	104.4	29.1	15.0	191.2	11.3	105.3	72.0	2.6	
1000 annual work units	14.9	44.3	15.7	9.5	84.4	4.2	39.7	38.6	1.9	
Non-family labour regularly employed										
1000 persons	3.4	1.3	1.3	22.0	28.1	6.8	0.9	1.4	19.1	
1000 annual work units	2.9	1.2	1.1	18.8	23.9	5.7	0.7	1.0	16.6	
Non regular non family labour force										
1000 annual work units	0.2	0.8	0.4	1.5	2.9	1.0	0.7	0.7	0.6	
Holding managers	1000	19.3	46.5	12.6	6.9	85.3	6.2	47.5	30.3	1.3
- women	(%)	43.1	40.0	31.4	18.8	37.7	28.4	39.8	36.9	21.7
- part-time: - under 50 %	(%)	72.3	57.4	35.2	18.1	54.3	61.7	66.3	36.0	8.5
- 50 % and over	(%)	24.6	36.0	45.5	42.7	35.4	26.7	29.5	46.3	35.6
Sole/main holders	1000	19.2	46.4	12.6	6.5	84.7	5.9	47.5	30.3	1.0
- women		43.4	40.4	31.8	20.0	38.2	30.4	40.2	37.1	25.9
-distribution by age	(%)									
- under 35 years		3.6	5.3	7.9	11.1	5.8	10.7	4.7	6.4	9.2
- from 35 to 44 years		18.6	17.9	24.7	31.5	20.1	20.9	17.0	24.6	30.0
- from 45 to 54 years		27.6	23.9	28.0	32.9	26.1	27.5	23.2	29.9	36.0
- from 55 to 64 years		20.4	18.6	19.0	15.5	18.8	15.7	18.3	20.4	17.5
- 65 years and over		29.8	34.2	20.3	9.0	29.2	25.2	36.9	18.7	7.4
- part-time: - under 50 %	(%)	72.5	57.4	35.3	19.2	54.7	64.4	66.3	36.0	10.5
- 50 % and over	(%)	24.6	36.0	45.6	45.5	35.6	27.9	29.5	46.4	43.8
- with another gainful activity ¹	(%)	37.3	33.9	31.0	22.5	33.4	45.3	34.7	29.8	11.6
- as a main occupation		35.8	31.4	25.2	15.9	30.3	41.7	32.8	25.0	6.5
- as a subsidiary occupation		1.5	2.5	5.8	6.6	3.1	3.5	1.9	4.8	5.2
Spouse of sole holder	1000	14.0	33.9	9.9	5.2	63.0	3.4	34.3	24.5	0.8
- women	(%)	68.2	68.8	71.9	80.8	70.2	72.3	70.5	69.2	76.2
-distribution by age	(%)									
- under 35 years		5.2	7.1	8.9	13.1	7.5	10.6	6.2	8.6	12.6
- from 35 to 54 years		53.8	48.4	58.4	67.2	52.7	57.7	46.6	60.1	68.5
- 55 years and over		40.9	44.6	32.7	19.8	39.8	31.7	47.3	31.3	19.0
- part-time: - under 50 %	(%)	74.9	61.5	44.5	40.6	60.0	78.8	71.6	42.5	23.5
- 50 % and over	(%)	22.7	32.7	41.7	36.4	32.2	15.8	25.3	44.1	37.1
- with another gainful activity	(%)	39.3	33.8	34.2	37.6	35.4	66.3	36.2	30.2	25.8
Other members of the holder's family working on the holding	1000	9.4	24.1	6.6	3.4	43.4	1.9	23.6	17.3	0.7
- women	(%)	41.2	41.9	40.9	36.1	41.1	33.4	41.1	42.2	38.1
- part-time: - under 50 %	(%)	90.0	83.7	77.5	68.6	83.0	85.3	87.5	77.5	56.9
- 50 % and over	(%)	9.0	14.1	18.5	22.6	14.3	13.0	11.0	18.5	29.5
- with another gainful activity	(%)	41.0	39.9	28.4	22.6	37.1	43.5	43.8	28.0	15.1

*LSU = Livestock unit

¹ Only holders who are also farm managers

"0" less than a half of the unit or nil

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	19.3	46.5	12.6	6.9	85.3	6.2	47.5	30.3	1.3
- by legal personality of the holder	(%)									
- sole holder		99.7	99.9	99.7	94.0	99.4	95.7	100.0	99.9	81.3
- legal person		0.3	0.1	0.3	6.0	0.6	4.3	0	0.1	18.7
- group holders		0	0	0	0	0	0	0	0	0.1
- by employed labour force	(%)									
- under 1 AWU		68.6	52.6	30.3	13.5	49.8	63.1	63.6	27.4	0.9
- from 1 to less than 2 AWU		28.5	42.1	53.6	41.4	40.7	23.7	32.7	57.5	17.0
- from 2 to less than 3 AWU		2.4	4.9	14.5	25.4	7.4	5.1	3.2	13.6	28.9
- 3 AWU and over		0.5	0.3	1.6	19.7	2.1	8.0	0.4	1.5	53.2
- by economic size	(%)									
- from 1 to less than 8 ESU		99.4	99.6	84.2	8.1	89.9	71.3	96.9	86.5	0.5
- from 8 to less than 16 ESU		0.3	0.3	14.9	36.0	5.3	9.2	1.6	10.2	10.2
- from 16 to less than 40 ESU		0.1	0	0.7	36.0	3.1	9.5	1.1	2.8	51.6
- from 40 to less than 100 ESU		0.1	0	0.1	12.8	1.1	6.0	0.4	0.4	18.7
- 100 ESU and over		0.2	0	0.1	7.2	0.6	4.1	0.1	0.1	19.0
- by type of farming (top 5 + 'other')	(%)									
... field crops – grazing livestock combined		13.1	21.2	23.0	17.7	19.4	0.5	20.3	21.4	24.8
... mixed livestock, mainly grazing livestock		28.8	20.7	9.5	1.8	19.3	0.3	21.7	20.3	1.7
... specialist dairy farming		21.2	18.3	20.9	16.8	19.2	0	12.5	32.7	44.1
... mixed cropping		14.6	15.8	9.1	3.1	13.5	8.6	19.7	5.3	1.3
... specialist cereals, oil seed and protein crops		0.9	8.2	20.6	46.8	11.5	53.2	10.8	4.3	5.2
Other types		21.4	15.8	16.9	13.8	17.1	37.5	14.9	16.0	22.9
- by farming methods	(%)									
- organic farming		0.2	0.9	3.2	6.7	1.6	5.3	0.8	1.8	6.5
- irrigating		0	0	0	0.1	0	0.1	0	0	0.3
- with crops under glass		16.0	7.7	7.5	6.8	9.4	13.5	10.3	7.5	4.8
- with another gainful activity than agricultural production:	(%)									
Tourism		0	0	0.1	0.2	0.1	0.3	0	0	0.2
Handicraft		0.1	0	0	0	0	0	0	0	0
Processing of farm products		0	0.1	0.1	0.4	0.1	0.3	0.1	0.1	1.3
Wood processing		0	0.1	0.2	0.4	0.1	0.3	0.1	0.1	0.5
Aquaculture		0	0	0	0	0	0	0	0	0.1
Renewable energy production		0	0	0	0	0	0	0	0	0.1
Contractual work		0.1	0.3	0.4	1.1	0.3	0.5	0.2	0.4	1.0
Other gainful activities n.a.e		0.2	0.2	0.3	1.3	0.3	1.6	0.2	0.2	2.0

*LSU = Livestock unit

"0" less than a half of the unit or nil

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	77.7	536.3	410.7	1254.0	2278.6	473.9	596.0	793.5	415.1	
H. Other area	12.1	63.3	30.8	38.3	144.4	22.6	57.0	52.9	12.0	
Wooded area	6.3	41.8	20.5	21.3	89.9	14.4	38.7	32.9	3.9	
Agricultural area	65.6	472.9	379.9	1215.7	2134.1	451.3	539.0	740.6	403.1	
- D. Arable land	36.4	268.1	248.2	1065.7	1618.4	424.0	383.3	476.0	335.0	
Cereals	18.1	141.2	139.0	638.7	936.9	272.7	242.4	253.0	168.8	
<i>Common wheat and spelt</i>	3.9	31.2	37.2	270.3	342.7	128.1	79.3	68.6	66.6	
<i>Durum wheat</i>	0	0	0	0	0	0	0	0	0	
<i>Rye</i>	1.1	10.1	10.4	44.0	65.5	20.3	17.3	18.3	9.6	
<i>Barley</i>	9.6	63.2	55.2	218.8	346.7	89.2	99.4	98.6	59.5	
<i>Oats</i>	2.0	19.9	18.8	39.5	80.2	8.4	21.2	36.6	14.1	
<i>Grain maize</i>	0	0.1	0.1	5.2	5.4	0.4	0.1	0.8	4.1	
Dried pulses	0.4	4.1	6.0	28.9	39.3	13.5	8.6	10.3	7.0	
Root crops	5.2	15.5	6.5	21.3	48.4	12.2	17.7	13.3	5.2	
<i>Potatoes</i>	4.3	13.0	4.9	6.2	28.4	4.6	13.5	9.7	0.6	
<i>Sugar beet</i>	0.2	0.5	0.9	14.7	16.3	7.6	2.6	1.7	4.5	
<i>Fodder root</i>	0.6	2.0	0.8	0.3	3.7	0	1.6	1.9	0.1	
Industrial crops	0.4	3.6	6.3	155.8	166.2	85.0	30.2	19.8	31.2	
<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>	0.3	3.4	6.1	153.4	163.1	83.0	29.5	19.6	30.9	
<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	1.4	2.8	1.1	1.8	7.1	2.3	3.2	1.5	0.1	
<i>outside</i>	1.3	2.6	1.1	1.7	6.7	2.1	3.0	1.5	0.1	
<i>under glass</i>	0.1	0.1	0.1	0	0.4	0.2	0.2	0	0	
Flower and ornamental plants	0.1	0.1	0	0	0.2	0.1	0.1	0	0	
<i>outside</i>	0	0	0	0	0.1	0	0	0	0	
<i>under glass</i>	0	0	0	0	0.1	0	0	0	0	
Forage plants	9.5	83.7	72.8	160.6	326.6	10.8	55.3	151.7	108.8	
Fallow land	1.3	16.5	16.1	52.5	86.4	24.9	24.8	25.7	11.1	
- E. Kitchen garden	0	0	0	0	0	0	0	0	0	
- F. Permanent pasture and meadows	27.5	200.0	129.1	144.4	501.0	20.9	150.4	261.8	67.9	
- G. Permanent crops	1.7	4.8	2.5	5.6	14.6	6.4	5.3	2.7	0.2	
Fruit and berry plantation	1.7	4.7	2.5	5.5	14.3	6.2	5.2	2.7	0.2	
Citrus plantation	0	0	0	0	0	0	0	0	0	
Olive trees	0	0	0	0	0	0	0	0	0	
Vineyard	0	0	0	0	0	0	0	0	0	
Ratios										
Agricultural area per holding	(ha)	3.4	10.2	30.1	177.0	25.0	72.9	11.4	24.4	316.2
Agricultural area...	(%)									
... own farmed		77.3	70.9	55.8	27.5	43.7	31.7	62.1	49.4	21.9
... in less favoured or mountain area		37.3	49.1	46.9	27.7	36.1	24.5	40.2	45.2	27.1
... organic farmed		0.1	0.8	2.3	3.4	2.5	4.2	1.4	2.2	2.8
... irrigated		0	0	0	0.1	0	0.1	0	0	0.2

*LSU = Livestock unit

":" not available

"0" less than a half of the unit or nil

Size of the fram	Agricultural area (ha)				All farms	Livestock (LSU*)			
	<5	5-<20	20-<50	>=50		0	>0-<5	5-<50	>=50
Total livestock (1000 LSU)	149.9	224.1	153.9	375.7	903.5	0	132.6	339.9	431.0
of which grazing (%)	28.9	78.8	76.8	63.5	63.8	:	75.8	88.9	40.3
Grazing livestock (1000 heads)									
Equidae	3.4	14.6	3.8	4.6	26.3	0	9.7	14.0	2.6
Bovine animals	48.3	203.6	144.8	296.7	693.3	0	111.4	364.1	217.9
Under 1 year	9.1	43.3	31.8	63.4	147.7	0	22.3	78.6	46.7
From 1 to less than 2 years	8.0	44.3	34.0	68.2	154.5	0	19.0	85.0	50.4
Dairy cows	29.9	107.3	69.9	135.3	342.5	0	67.3	178.9	96.3
Other cows	0.3	1.8	2.3	6.7	11.1	0	0.6	5.5	5.0
Other bovine animals 2 years and older	0.9	6.9	6.8	23.0	37.6	0	2.1	16.0	19.4
Sheep	2.3	14.1	9.0	18.1	43.5	0	5.5	26.0	12.0
Goats	2.2	4.8	1.3	0.6	8.9	0	4.6	4.2	0.1
Granivores									
Pigs (1000 heads)	268.6	147.4	102.1	357.7	875.7	0	90.1	113.1	672.6
Piglets < 20 kg	78.9	35.2	26.3	83.7	224.1	0	13.1	17.5	193.4
Breeding sows	31.9	10.2	8.5	36.1	86.7	0	2.8	9.1	74.8
Other pigs	157.7	102.0	67.3	238.0	564.9	0	74.2	86.4	404.3
Poultry (million heads)	3.4	0.7	0.6	3.8	8.5	0	0.5	0.4	7.6
Broilers	1.9	0.1	0	1.6	3.7	0	0.1	0.1	3.4
Laying hens	1.0	0.5	0.5	2.1	4.0	0	0.3	0.2	3.4
Other poultry	0.4	0.1	0.1	0.2	0.9	0	0.1	0.1	0.7
Rabbits, breeding females (1000 heads)	5.8	11.1	3.3	2.4	22.6	0	12.5	10.1	0.1
Beehives (1000)	20.7	42.1	14.0	5.8	82.6	17.3	44.6	19.5	1.2
Average size of herds* (head/holding)									
Equidae (head/holding)	1.1	1.2	1.4	4.6	1.4	:	1.1	1.4	7.6
Cattle (head/holding)	2.9	5.0	13.5	61.9	9.5	:	2.7	12.1	191.1
Dairy cows (head/holding)	1.8	2.7	6.8	29.9	4.8	:	1.7	6.1	88.3
Other cows (head/holding)	1.7	1.7	2.7	9.2	4.0	:	1.3	2.7	16.1
Sheep (head/holding)	6.8	10.0	17.1	99.2	17.7	:	5.5	18.6	206.3
Goats (head/holding)	2.9	2.9	3.9	7.5	3.2	:	2.6	4.2	3.0
Pigs (head/holding)	20.6	4.8	13.1	120.2	16.0	:	2.8	5.1	1427.9
Breeding sows (head/holding)	28.3	2.8	5.1	50.4	12.1	:	1.3	1.9	375.8
Other pigs > 20 kg (head/holding)	13.0	3.6	9.1	83.6	11.1	:	2.5	4.1	879.0
Rabbits, breeding females (head/holding)	2.9	3.1	4.2	9.5	3.4	:	3.2	3.8	3.9
Laying hens (1000/holding)	0.1	0	0.1	0.9	0.1	:	0	0	10.7
Broilers (1000/holding)	0.9	0	0	2.1	0.4	:	0	0	38.2
Beehives (hive/holding)	14.5	9.4	9.0	8.8	10.2	41.2	10.0	6.2	9.3

*LSU = Livestock unit

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular Labour force	(1000 pers)	480.9	261.6	219.3	54.4	45.6
Regular labour force	(1000 AWU)	176.3	68.0	108.3	38.6	61.4
Holder with...	(1000)	229.7	145.0	84.7	63.1	36.9
... at least 65 years		93.5	68.7	24.8	73.5	26.5
... another major gainful activity		70.9	43.4	27.5	61.2	38.8
Number of sole holdings	(1000)	230.3	145.0	85.3	63.0	37.0
... producing mainly for own consumption		123.9	99.8	24.1	80.5	19.5
... producing mainly for direct sales		32.5	21.7	10.9	66.6	33.4
SGM	(1000 ESU)	567.6	69.0	498.7	12.2	87.8
Agricultural area	(1000 ha)	2649.0	514.8	2134.1	19.4	80.6
... own farmed		1352.3	419.9	932.4	31.1	68.9
Livestock	(1000 LSU*)	1030.9	127.4	903.5	12.4	87.6

*LSU = Livestock Unit

► METHODOLOGICAL NOTES

The survey on the structure of agricultural holdings in Lithuania was carried out between 1st and 29th June 2007 on a sample basis. Prior to this survey, a full-scale agricultural census was last conducted in 2003 and the sample farm structure survey in 2005. The reference day of the farm structure survey was the 1st June 2007, for the crops characteristics the area under winter crops sown in autumn 2006 and the area under summer crops sown in the current summer was recorded. If the sowing was not completed by 1st June, the area planned to be sown, was also recorded. For the labour force characteristics the reference period was the 12 months preceding the reference day.

According to the national definition an agricultural holding is a single unit both technically and economically, which has single management and which produces agricultural products or maintains its land which is no longer used for production purposes in good agricultural and environmental condition. It has at least 1 ha of utilised agricultural area or less than 1 ha of utilised agricultural area but annual income from agricultural activity higher than 5.000 LTL (5000 Lithuanian Litas ~ 1.455 Euro). It can also be engaged in other secondary economic activities or to provide services.

On the basis of the results of agricultural census 2003, updated with the data from other statistical surveys and supplemented with new legal units found in the Business Register, a stratified sample was drawn. The holdings – including the newly established ones – have been divided into 7 groups according to their type of activity, economic size and legal personality. Altogether, 310 strata were established in these groups, of which all family farms of at least 2 ESU and the units of legal entities were observed without sampling. From the other strata a simple random sample was taken using different stratification criteria (e.g. economic size of holding, type of farming, some of the holdings' characteristics) besides the geographical location of the holding. The sample size was ca. 24.5 % (i.e. 60.888 agricultural holdings were sampled out of a total population of 248,477 holdings).

The list of characteristics and their definitions were fully compliant with the EU requirements concerning the farm structure survey 2007.

The data are checked at different levels. Altogether data were provided by 56 798 of 61 263 final surveyed agricultural holdings (375 new holdings were found), of which 2 202 units didn't reach the thresholds for agricultural holding. The information has not been obtained from 4 465 farms (7.3% of sample) of which 2 737 holdings either do not perform agricultural activity or have land temporarily uncultivated; 1 728 holdings did not respond due to refusals or lack of contact. For these units, no imputation of data was carried out.

For each activity (`enterprise`) on a agricultural holding (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 holding is its economic size, expressed in European Size Units (ESU, 1 ESU is a 1200-euro standard gross margin).

Each agricultural holding 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.

Annual working unit (AWU) means the labour force working yearly i.e. a worker employed on full time basis and working 1984 hours (248 working days of 8 working hours per day).

► REFERENCE PUBLICATIONS

2007 m. žemės ūkio struktūros tyrimo rezultatai/ Results of the Farm Structure Survey 2007 in Lithuania, Statistikos departamentas prie Lietuvos Respublikos Vyriausybės/ Department of Statistics of the Government of the Republic of Lithuania, Vilnius, September 2008 (planned)

Website of the Department of Statistics of the Government of the Republic of Lithuania: www.std.lt

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

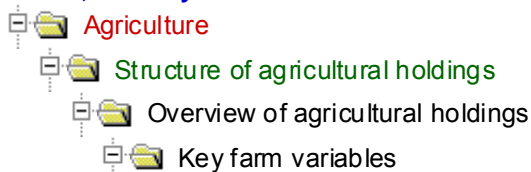
Further information

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

Select your theme on the left side of the homepage and then 'Data' from the menu.

Data: [EUROSTAT Website/Agriculture, forestry and fisheries](#)

Agriculture, forestry and fisheries



Journalists can contact the media support service:

Bech Building Office A4/125 L - 2920 Luxembourg

Tel. (352) 4301 33408 Fax (352) 4301 35349

E-mail: eurostat-mediasupport@ec.europa.eu

European Statistical Data Support:

Eurostat set up with the members of the 'European statistical system' a network of support centres, which will exist in nearly all Member States as well as in some EFTA countries.

Their mission is to provide help and guidance to Internet users of European statistical data.

Contact details for this support network can be found on our Internet site:

<http://ec.europa.eu/eurostat/>

A list of worldwide sales outlets is available at the:

Office for Official Publications of the European Communities.

2, rue Mercier

L - 2985 Luxembourg

URL: <http://publications.europa.eu>

E-mail: info@publications.europa.eu

Manuscript completed on: 09.06.2008

Data extracted on: 06.05.2008

ISSN 1977-0316

Catalogue number: KS-SF-08-056-EN-N

© European Communities, 2008