

# Farm structure in Poland – 2005

## 52% of agricultural land and 60% of livestock in farms of less than 20 ha

This *Statistics in Focus* is the first issue of a series of country-specific publications on the results of the Farm Structure Survey (FSS) 2005. It provides a brief but nevertheless comprehensive insight into the farm structure in Poland. A similar publication was issued in July 2005 presenting the results of the FSS 2002 in Poland.

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In June 2005 in Poland, about **1 082 700\*** agricultural holdings had an economic size of at least 1 European Size Unit (ESU).

- These holdings employed 1.7 million AWUs (annual work units), the equivalent of 1.7 million persons working full time;
- they made use of about 13.1 million ha of agricultural area, which is on average **12.1 hectare per holding** (compared to 12.2 ha in 2002).

Amongst these 1 082 700 agricultural holdings

- 27% made use of less than one AWU, while 30% made use of 2 or more AWUs;
- 35% used less than 5 ha, while 2% used 50 ha or more;
- 14% were holdings of the type combined field cropping – grazing livestock, 12% mixed cropping, 11% mixed livestock, mainly granivores (pigs and poultry), 11% were producing various crops and livestock, and 9% were engaged in mixed (mainly grazing) livestock;
- 51% of their agricultural area were situated in less favoured or mountain areas;
- 21% were producing mainly for own consumption;
- 6% benefited from direct investment aids.

Amongst the 1 079 400 sole holders

- 22% were women;
- 21% were aged 55 or more, and only 18% younger than 35 years;
- 29% had another gainful activity as major occupation.

## Statistics in focus

### AGRICULTURE AND FISHERIES

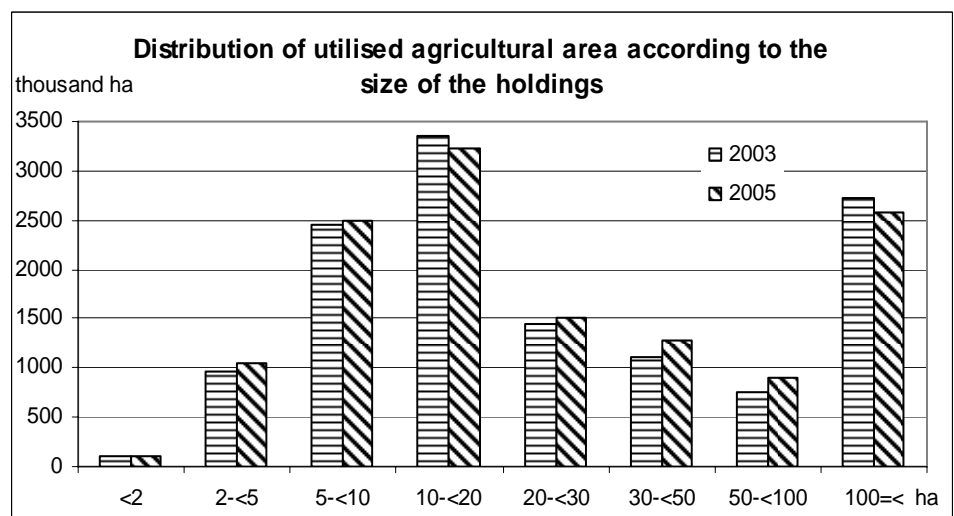
10/2006

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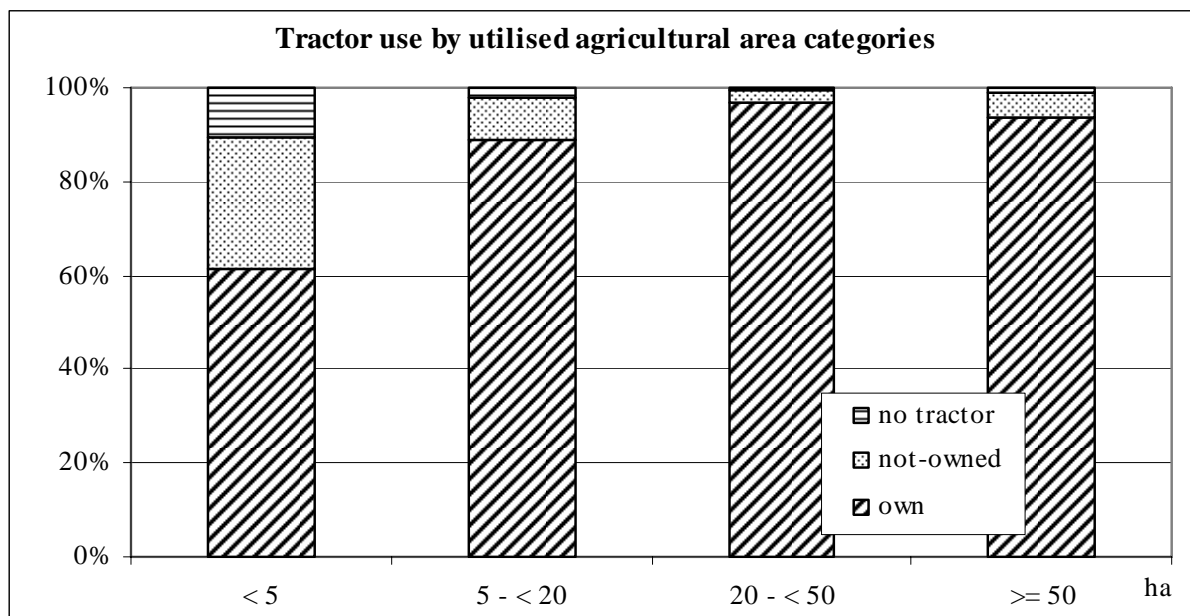
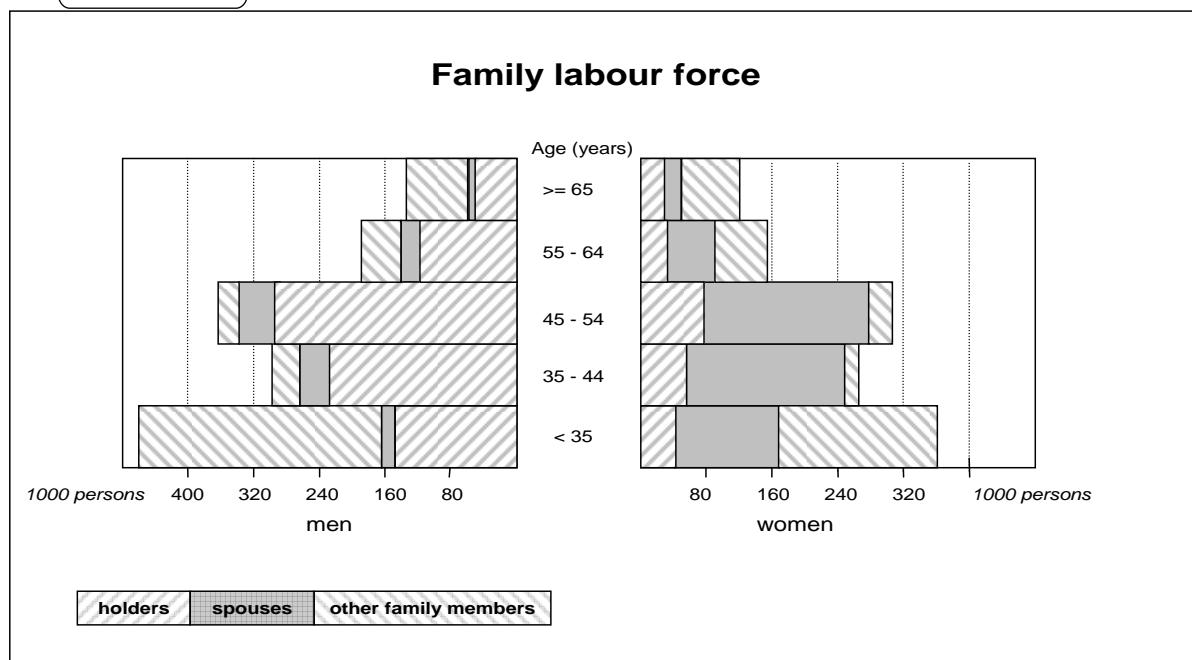
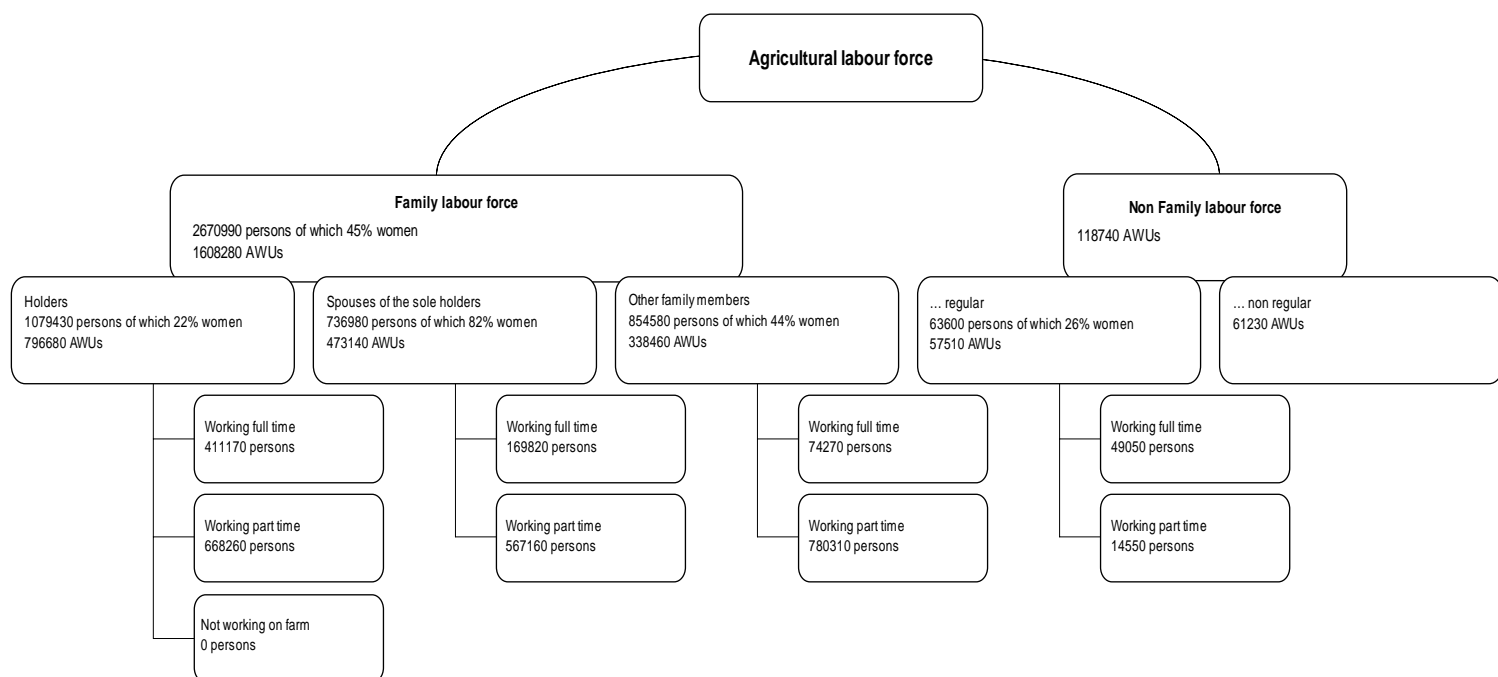
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\* Due to differences in the coverage of units of less than 1 ESU (European Size Unit) across Member States, this figure is not comparable between countries. This is why the present analysis, including Tables 1-4 and the graphs focus on the holdings of at least one ESU. See methodological notes for more information on the concept of the ESU.



# Poland 2005 – Holdins of at least 1 ESU



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

Size of the farms	Agricultural area (ha)				All farms	Livestock (LU*)			
	< 5	5 - < 20	20 - < 50	50 =<		0	0 < - < 5	5 - < 50	50 =<
<b>Total labour force</b>									
1000 annual work units	482.9	954.5	205.4	84.2	1727.0	211.5	659.1	781.8	74.6
<b>Family labour force</b>									
1000 persons	919.0	1450.4	255.2	46.4	2671.0	340.8	1180.9	1097.4	51.9
1000 annual work units	467.8	919.7	186.8	34.0	1608.3	159.3	645.1	763.4	40.5
<b>Non-family labour regularly employed</b>									
1000 persons	6.2	6.6	6.0	44.7	63.6	27.4	1.8	3.3	31.2
1000 annual work units	5.4	5.5	5.3	41.3	57.5	24.6	1.4	2.7	28.7
<b>Non regular non family labour force</b>									
1000 annual work units	9.6	29.4	13.3	8.9	61.2	27.6	12.6	15.7	5.4
<b>Holding managers (1000)</b>	<b>382.1</b>	<b>583.4</b>	<b>96.5</b>	<b>20.7</b>	<b>1082.7</b>	<b>172.1</b>	<b>477.3</b>	<b>413.3</b>	<b>20.0</b>
- women (%)	30.7	18.0	8.0	6.3	21.4	23.7	27.3	14.3	6.8
- part-time - under 50 % (%)	36.5	17.9	6.6	8.0	23.3	49.7	28.3	7.5	2.9
- 50 % and over (%)	43.8	37.5	21.8	19.0	38.0	26.2	46.9	33.6	16.9
- with a basic agricultural training only (%)	27.4	31.1	26.7	21.6	29.3	23.5	29.7	31.4	22.0
- with a full agricultural training (%)	16.3	30.0	49.2	60.4	27.5	30.0	18.4	35.3	61.2
<b>Sole/main holders (1000)</b>	<b>381.9</b>	<b>583.0</b>	<b>96.2</b>	<b>18.3</b>	<b>1079.4</b>	<b>170.3</b>	<b>477.2</b>	<b>413.0</b>	<b>18.8</b>
- women (%)	31.3	18.5	8.5	7.0	22.0	24.9	27.8	14.7	7.5
- distribution by age (%)									
- under 35 years	14.8	19.0	21.4	18.7	17.7	15.9	16.1	20.2	20.4
- from 35 to 44 years	22.8	27.7	31.9	29.6	26.4	25.2	24.4	28.9	31.4
- from 45 to 54 years	31.8	36.0	35.5	38.4	34.5	35.6	32.6	36.2	35.8
- from 55 to 64 years	17.7	12.3	9.4	11.5	14.0	15.5	15.5	11.7	10.9
- 65 years and over	12.9	5.0	1.7	1.8	7.4	7.8	11.3	3.0	1.5
- part-time - under 50 % (%)	36.5	18.0	6.7	9.1	23.4	50.3	28.3	7.5	3.0
- 50 % and over (%)	43.9	37.5	21.9	21.4	38.1	26.5	46.9	33.6	18.0
- with another gainful activity <sup>1</sup> (%)	38.0	26.7	12.8	15.5	29.2	45.1	34.3	17.9	8.2
- as main occupation	31.0	19.1	7.4	9.0	22.1	37.6	26.7	11.3	4.1
- as a subsidiary occupation	7.0	7.6	5.4	6.5	7.2	7.6	7.6	6.6	4.1
<b>Spouse of sole holder (1000)</b>	<b>254.5</b>	<b>394.3</b>	<b>74.3</b>	<b>13.8</b>	<b>737.0</b>	<b>97.6</b>	<b>317.5</b>	<b>306.3</b>	<b>15.6</b>
- women (%)	73.0	84.4	93.1	94.8	81.5	78.7	76.4	87.0	94.3
- distribution by age (%)									
- under 35 years	15.1	21.1	25.9	22.8	19.5	16.4	17.2	22.6	25.7
- from 35 to 54 years	60.8	67.6	68.1	69.3	65.4	65.9	62.2	68.3	68.2
- 55 years and over	24.1	11.3	6.0	7.9	15.1	17.7	20.6	9.1	6.0
- part-time - under 50 % (%)	48.2	29.5	19.0	26.4	34.8	58.5	42.7	20.2	15.2
- 50 % and over (%)	39.2	44.2	42.0	37.7	42.1	25.5	42.4	47.2	41.0
- with another gainful activity (%)	34.9	23.1	12.7	13.6	25.9	39.6	31.5	16.6	9.8
<b>Other members of the holder's family working on the holding (1000)</b>	<b>282.5</b>	<b>473.1</b>	<b>84.6</b>	<b>14.3</b>	<b>854.6</b>	<b>72.9</b>	<b>386.1</b>	<b>378.1</b>	<b>17.5</b>
- women (%)	44.4	44.5	40.4	34.1	43.9	41.1	45.0	43.6	37.0
- part-time - under 50 % (%)	73.5	65.8	56.7	50.9	67.2	73.6	71.7	62.2	47.7
- 50 % and over (%)	21.3	25.2	27.2	26.5	24.1	17.1	23.0	26.4	28.0
- with another gainful activity (%)	26.7	16.7	10.5	9.7	19.3	23.5	23.4	14.7	8.4

\* LU = Livestock Unit

<sup>1</sup> Only holders being also farm managers.

## Poland – 2005

Table 2 - Agricultural holdings by size

Symbols : not available

0 less than half of the unit or nil

Size of the farms	Agricultural area (ha)				All farms	Livestock (LU)			
	< 5	5 - < 20	20 - < 50	50 =<		0	0 < - < 5	5 - < 50	50 =<
<b>Holdings</b>									
- total number (1000)	<b>382.1</b>	<b>583.4</b>	<b>96.5</b>	<b>20.7</b>	<b>1082.7</b>	<b>172.1</b>	<b>477.3</b>	<b>413.3</b>	<b>20.0</b>
- by legal personality of the holder (%)									
- sole holder	99.9	99.9	99.7	88.7	99.7	99.0	100.0	99.9	94.1
- legal person	0.1	0.1	0.3	11.3	0.3	1.0	0	0.1	5.9
- group holders	0	0	0	0	0	0	0	0	0
- by employed labour force (%)									
- under 1 AWU	40.5	21.3	7.8	9.0	26.6	56.3	33.0	8.1	2.8
- from 1 to less than 2 AWU	42.4	45.9	37.1	28.6	43.6	25.1	47.3	47.9	24.5
- from 2 to less than 3 AWU	14.3	26.9	41.4	31.1	23.9	12.4	16.6	36.2	41.5
- 3 AWU and over	2.8	5.9	13.6	31.2	6.0	6.2	3.1	7.9	31.2
- by economic size (%)									
- from 1 to less than 8 ESU	96.3	79.2	15.3	2.2	78.1	83.5	96.5	58.1	3.9
- from 8 to less than 16 ESU	2.1	16.9	40.7	9.5	13.7	8.9	2.5	28.9	6.2
- from 16 to less than 40 ESU	1.2	3.5	39.7	45.6	6.7	5.2	0.8	12.6	40.6
- from 40 to less than 100 ESU	0.3	0.3	4.0	29.0	1.2	1.7	0.1	0.4	38.4
- 100 ESU and over	0.1	0.1	0.3	13.6	0.4	0.7	0	0	10.9
- by farm type (%)									
- field crops – grazing livestock combined	14.1	14.3	9.2	8.7	13.7	7.7	19.7	9.7	3.3
- mixed cropping	13.4	12.2	7.0	5.3	12.0	6.7	19.0	6.8	1.2
- mixed livestock, mainly granivores	9.8	13.1	9.4	3.2	11.4	0	6.7	21.5	11.7
- various crops and livestock combined	10.5	11.5	11.3	12.1	11.1	1.8	13.1	12.9	8.4
- mixed livestock, mainly grazing livestock	9.4	9.8	8.8	2.9	9.4	0.2	8.4	14.7	4.3
- other types of farming	42.8	39.1	54.3	67.7	42.3	83.6	33.1	34.4	71.0
- by farming methods (%)									
- organic farming	0.2	0.3	0.4	1.2	0.3	0.3	0.2	0.3	0.3
- irrigating	1.6	1.1	1.9	3.0	1.4	5.2	0.8	0.6	1.0
- with fixed irrigation equipment	1.1	0.6	1.0	1.3	0.8	3.6	0.3	0.3	0.6
- with crops under glass	5.2	1.4	0.6	0.7	2.6	8.9	2.0	0.8	0.6
- benefiting of direct investment aids	4.0	6.2	12.4	20.0	6.2	7.1	4.6	7.2	18.1
- using a tractor (%)									
- with their own tractor	61.4	88.8	96.7	93.4	79.9	57.4	74.1	95.5	93.1
- using a combine harvester (%)									
- with another gainful activity than agricultural production (%)									
- tourism	0.4	0.4	0.5	1.1	0.4	0.8	0.4	0.4	0.5
- handicraft	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1
- processing of farm products	0.2	0.2	0.4	1.7	0.3	0.5	0.1	0.2	1.6
- wood processing	0.3	0.3	0.3	0.6	0.3	0.4	0.4	0.2	0.3
- aquaculture	0.5	0.9	1.6	2.9	0.8	1.1	0.6	0.9	2.1
- renewable energy production	0	0	0	0	0	0	0	0	0.1
- contractual work	1.5	1.5	2.2	5.9	1.6	2.8	1.4	1.3	3.2
- other gainful activities n.a.e.	3.0	2.4	2.1	4.3	2.6	6.2	2.2	1.5	3.6

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

Size of the farms	Agricultural area (ha)				All farms	Livestock (LU)				
	< 5	5 - < 20	20 - < 50	50 =<		0	0 < - < 5	5 - < 50	50 =<	
<b>Area</b>	<b>(1000 ha)</b>									
<b>Total area of agricultural holdings</b>	<b>1433.1</b>	<b>6582.0</b>	<b>3062.8</b>	<b>3881.8</b>	<b>14959.8</b>	<b>2912.1</b>	<b>3405.0</b>	<b>6614.6</b>	<b>2028.0</b>	
<b>Other area</b>	<b>285.1</b>	<b>849.0</b>	<b>280.9</b>	<b>412.5</b>	<b>1827.5</b>	<b>451.7</b>	<b>501.0</b>	<b>699.5</b>	<b>175.2</b>	
Wooded area	138.9	472.6	137.2	72.2	820.9	99.2	271.6	404.0	46.1	
<b>Agricultural area</b>	<b>1148.1</b>	<b>5732.9</b>	<b>2781.9</b>	<b>3469.4</b>	<b>13132.3</b>	<b>2460.4</b>	<b>2904.0</b>	<b>5915.1</b>	<b>1852.8</b>	
<b>Arable land</b>	<b>795.9</b>	<b>4309.9</b>	<b>2174.1</b>	<b>3010.6</b>	<b>10290.5</b>	<b>1962.0</b>	<b>2214.2</b>	<b>4526.2</b>	<b>1588.1</b>	
Cereals	564.2	3355.3	1606.6	2121.6	7647.6	1388.0	1710.2	3461.3	1088.1	
<i>Common wheat and spelt</i>	154.9	652.5	403.1	835.2	2045.6	557.8	464.4	671.2	352.3	
<i>Durum wheat</i>	0	0	0	0	0	0	0	0	0	
<i>Rye</i>	101.9	738.9	252.2	238.4	1331.3	202.4	350.6	674.9	103.5	
<i>Barley</i>	69.6	414.7	230.2	330.4	1044.9	201.6	219.7	448.1	175.5	
<i>Oats</i>	159.1	976.7	393.9	190.1	1719.7	146.5	424.0	1012.0	137.2	
<i>Grain maize</i>	5.6	36.6	40.5	246.1	328.8	132.1	35.1	48.2	113.4	
Dried pulses	9.2	45.3	24.0	32.4	111.0	24.9	26.6	44.2	15.3	
Root crops	110.9	372.1	173.9	151.9	808.8	124.5	210.8	390.4	83.1	
<i>Potatoes</i>	96.0	259.8	83.4	46.3	485.5	71.9	163.0	233.4	17.2	
<i>Sugar beet</i>	6.9	90.6	84.1	103.6	285.3	48.5	37.1	135.1	64.6	
<i>Fodder root</i>	8.0	21.7	6.4	1.9	38.0	4.1	10.8	21.9	1.2	
Industrial crops	12.2	95.3	91.9	407.1	606.5	224.2	79.3	129.9	173.1	
<i>Tobacco</i>	3.2	9.7	1.0	0.2	14.1	1.6	6.2	6.2	0.1	
<i>Hops</i>	0.4	1.5	0.4	0.2	2.5	0.6	1.2	0.6	0.1	
<i>Cotton</i>	0	0	0	0	0	0	0	0	0	
<i>Rape and turnip</i>	5.4	64.3	80.9	391.3	541.9	203.9	58.5	110.2	169.3	
<i>Sunflower</i>	0	0.5	0.2	3.5	4.2	3.3	0.2	0.3	0.4	
<i>Soya</i>	0	0	0	0	0	0	0	0	0	
Fresh vegetables, melons, strawberry	39.0	95.4	35.5	27.3	197.2	84.1	57.4	47.9	7.8	
<i>outside</i>	36.3	92.9	35.3	27.2	191.7	81.3	55.7	47.0	7.8	
<i>under glass</i>	2.7	2.4	0.2	0.2	5.5	2.8	1.7	0.9	0	
Flower and ornamental plants	1.9	1.1	0.3	0.8	4.1	3.3	0.5	0.2	0.1	
<i>outside</i>	1.0	0.7	0.2	0.8	2.8	2.2	0.4	0.1	0.1	
<i>under glass</i>	0.9	0.3	0.1	0	1.3	1.1	0.2	0	0	
Forage plants	40.9	279.7	216.5	201.4	738.5	44.0	83.6	413.4	197.5	
Fallow land	12.5	51.8	17.4	56.3	138.0	57.7	37.7	24.6	17.9	
<b>Kitchen garden</b>	<b>11.9</b>	<b>20.6</b>	<b>4.3</b>	<b>1.1</b>	<b>37.8</b>	<b>4.6</b>	<b>17.1</b>	<b>15.2</b>	<b>0.9</b>	
<b>Permanent pasture and meadows</b>	<b>256.5</b>	<b>1239.5</b>	<b>576.4</b>	<b>437.9</b>	<b>2510.4</b>	<b>312.7</b>	<b>592.1</b>	<b>1345.9</b>	<b>259.8</b>	
<b>Permanent crops</b>	<b>83.8</b>	<b>162.8</b>	<b>27.1</b>	<b>19.8</b>	<b>293.5</b>	<b>181.1</b>	<b>80.6</b>	<b>27.9</b>	<b>4.0</b>	
Fruit and berry plantation	78.3	157.1	24.9	15.3	275.6	169.1	75.9	26.8	3.7	
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	
<b>Ratios</b>										
<b>Agricultural area per holding</b>	<b>(ha)</b>	<b>3.0</b>	<b>9.8</b>	<b>28.8</b>	<b>167.8</b>	<b>12.1</b>	<b>14.3</b>	<b>6.1</b>	<b>14.3</b>	<b>92.7</b>
<b>Agricultural area...</b>	<b>(%)</b>									
... own farmed		92.4	90.0	78.1	47.9	76.6	65.1	87.4	83.9	51.2
... in less favoured or mountain area		41.9	55.1	55.6	43.7	51.1	37.8	48.7	58.9	47.5
... organic farmed		0.2	0.2	0.4	0.8	0.4	0.6	0.3	0.4	0.5
... irrigated		0.4	0.4	0.6	0.7	0.5	1.8	0.3	0.2	0.4

Symbols : not available

0 less than half of the unit or nil

Size of the farms	Agricultural area (ha)				All farms	Livestock (LU)		
	< 5	5 - < 20	20 - < 50	50 = <		0 < - < 5	5 - < 50	50 = <
<b>Total livestock</b> (1000 LU)	<b>1459.9</b>	<b>4547.6</b>	<b>2435.4</b>	<b>1704.7</b>	<b>10147.5</b>	<b>1168.3</b>	<b>5702.7</b>	<b>3276.5</b>
of which grazing (%)	31.2	47.6	49.4	35.1	43.6	52.3	54.5	21.5
<b>Grazing livestock</b> (1000 heads)								
<b>Equidae</b>	<b>74.7</b>	<b>134.2</b>	<b>30.8</b>	<b>20.6</b>	<b>260.2</b>	<b>81.9</b>	<b>160.8</b>	<b>17.5</b>
<b>Bovine animals</b>	<b>478.2</b>	<b>2610.6</b>	<b>1490.7</b>	<b>755.7</b>	<b>5335.2</b>	<b>666.5</b>	<b>3775.1</b>	<b>893.6</b>
Under 1 year	111.3	693.5	372.5	202.4	1379.6	163.0	982.5	234.1
From 1 to less than 2 years	68.7	444.0	273.7	154.5	940.7	92.5	665.3	182.9
Dairy cows	284.5	1371.2	761.7	329.8	2747.1	392.6	1956.2	398.4
Other cows	0.4	7.3	5.6	16.9	30.2	1.2	12.8	16.2
Other bovine animals 2 years and older	13.4	94.7	77.2	52.1	237.5	17.2	158.3	61.9
<b>Sheep</b>	<b>37.2</b>	<b>104.6</b>	<b>68.7</b>	<b>62.1</b>	<b>272.6</b>	<b>32.7</b>	<b>190.2</b>	<b>49.7</b>
<b>Goats</b>	<b>33.1</b>	<b>33.5</b>	<b>7.6</b>	<b>4.0</b>	<b>78.2</b>	<b>45.1</b>	<b>30.1</b>	<b>3.0</b>
<b>Granivores</b>								
<b>Pigs</b> (1000 heads)	<b>1443.7</b>	<b>8223.3</b>	<b>4299.3</b>	<b>3570.8</b>	<b>17537.1</b>	<b>1681.8</b>	<b>10211.0</b>	<b>5644.3</b>
Piglets < 20 kg	474.8	2894.7	1359.9	1059.4	5788.7	712.5	3509.5	1566.7
Breeding sows	171.8	921.2	425.2	354.1	1872.3	216.1	1128.0	528.2
Other pigs	797.1	4407.5	2514.2	2157.3	9876.1	753.1	5573.6	3549.4
<b>Poultry</b> (million heads)	<b>59.2</b>	<b>40.7</b>	<b>17.5</b>	<b>20.8</b>	<b>138.2</b>	<b>12.9</b>	<b>16.9</b>	<b>108.4</b>
Broilers	35.1	21.9	10.1	12.2	79.3	4.0	5.4	69.9
Laying hens	19.3	12.6	4.0	5.7	41.6	6.2	7.7	27.7
Other poultry	4.8	6.2	3.4	2.9	17.3	2.7	3.8	10.8
<b>Rabbits, breeding females</b> (1000 heads)	<b>297.7</b>	<b>228.3</b>	<b>30.3</b>	<b>6.6</b>	<b>562.8</b>	<b>374.4</b>	<b>178.9</b>	<b>9.5</b>
<b>Beehives *</b> (1000)	<b>338.5</b>	<b>151.7</b>	<b>27.0</b>	<b>6.4</b>	<b>523.5</b>	<b>217.9</b>	<b>92.6</b>	<b>4.3</b>
<b>Average size of herds**</b>								
Equidae (head/holding)	1.6	2.1	3.8	12.6	2.1	1.3	2.8	11.7
Cattle (head/holding)	2.4	6.7	21.4	82.7	8.0	2.2	10.5	78.2
Dairy cows (head/holding)	1.5	3.7	11.7	40.9	4.4	1.4	5.7	38.6
Other cows (head/holding)	2.1	2.5	4.7	30.0	6.2	1.6	3.6	30.4
Sheep (head/holding)	12.3	23.8	54.5	155.1	30.0	8.2	38.9	228.2
Goats (head/holding)	3.2	3.0	4.9	16.7	3.4	3.0	3.9	12.7
Pigs (head/holding)	7.8	22.7	69.5	390.3	28.3	6.2	30.7	421.6
Breeding sows (head/holding)	2.1	3.3	8.1	46.7	4.5	1.7	4.0	46.6
Other pigs > 20 kg (head/holding)	5.4	14.5	44.0	246.4	19.1	3.7	18.5	268.8
Rabbits, breeding females (head/holding)	6.8	4.9	5.1	9.7	5.8	6.4	4.7	12.5
Laying hens (1000/holding)	0.1	0.0	0.1	0.8	0.1	0.0	0.0	2.8
Broilers (1000/holding)	0.2	0.1	0.3	2.5	0.2	0.0	0.0	9.9
Beehives (hive/holding)	26.4	13.1	12.3	17.9	19.4	16.5	10.0	13.1

\* Bees are not taken into account when calculating Livestock Unit, there are 208.7 thousand hives on holdings with 0 LU.

\*\* 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

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular labour force	(1000 persons)	5111.5	2376.9	2734.6	46.5	53.5
Regular labour force	(1000 AWU)	2207.1	541.3	1665.8	24.5	75.5
Holders	(1000 persons)	2472.8	1393.4	1079.4	56.3	43.7
... at least 65 years old		421.9	341.8	80.2	81.0	19.0
... having another gainful activity		945.5	636.8	308.8	67.3	32.7
<b>Number of holdings</b>	<b>(1000)</b>	<b>2476.5</b>	<b>1393.8</b>	<b>1082.7</b>	<b>56.3</b>	<b>43.7</b>
... producing mainly for own consumption		1015.0	789.0	226.0	77.7	22.3
... producing mainly for direct sales		365.9	182.1	183.8	49.8	50.2
... using a tractor		1897.9	867.5	1030.3	45.7	54.3
Standard Gross Margin (SGM)	(1000 ESU)	8264.5	431.9	7832.7	5.2	94.8
<b>Agricultural area</b>	<b>(1000 ha)</b>	<b>14754.9</b>	<b>1622.6</b>	<b>13132.3</b>	<b>11.0</b>	<b>89.0</b>
... owned farmed		11560.8	1506.5	10054.3	13.0	87.0
<b>Livestock</b>	<b>(1000 LU)</b>	<b>10564.7</b>	<b>417.2</b>	<b>10147.5</b>	<b>3.9</b>	<b>96.1</b>

## ► METHODOLOGICAL NOTES

The survey on the structure of agricultural holdings in Poland was carried out between 14 and 28 June 2005 on a sample base. Prior to this survey, a full-scale agricultural census was conducted last time in 2002. The reference time of the farm structure survey was the 12th June 2005 in case of land area, land use, livestock and machinery. However for other characteristics the reference period was the preceding 12 months, and for financial support the past 5 years.

According to the national definition an agricultural holding is having at least 0.1 ha agricultural area, or at least 1 cattle or horse, 5 pigs, 1 sow, 3 sheep or goats, 30 poultry, 5 fur animals or 1 beehive. On the basis of the Statistical Register of Agricultural and Forest Holdings established after the 2002 census, a stratified sample was drawn. The holdings – including the newly established ones – have been divided into 8 groups according to their activity, size or legal form. The largest holdings, the units of legal entities as well as organic farms were observed on full scope. In the other groups different stratification criteria were used (e.g. total area, arable land, SGM) besides the geographic levels (NUTS3). Altogether 23 strata were established in these groups, some of which were take-all strata, while in the others Neyman- and optimal sample allocation was used to choose the units to be observed. The total sample was 206894 holdings, of which 25.5% came from exhaustively surveyed strata.

The data are multi-level checked. Unit non-response has occurred due to refusals, lack of contact and liquidation of holdings. As imputation `model holdings` (from the same geographical area) were used: land area was inserted proportionally, other numeric data were shifted automatically, while in other cases the most frequent answer in the population was used. Information from earlier surveys as well as experts` opinion were also used.

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.

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 2120 hours (265 working days of 8 working hours per day).

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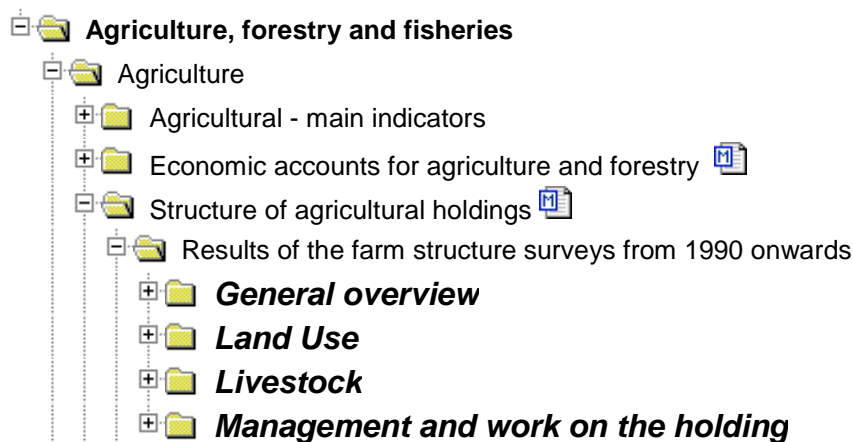
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Website of the Central Statistical Office of Poland: [www.stat.gov.pl](http://www.stat.gov.pl)

National Methodological Report – FSS 2005 (available for request)

## Further information:

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



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