

## Farm Structure Survey in Spain - 2007

### Rape and turnip plantations tripled between 2005 and 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 Spain.*

*1 043 900 agricultural holdings were recorded in Spain in the Farm Structure Survey 2007 (3.3% fewer than in 2005).*

\* \* \*

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, about 939 500 of the **agricultural holdings** (90% of the total holdings) had an economic size of at least 1 ESU, compared with 959 000 in 2005 (a 2% reduction in the number of holdings of at least 1 ESU).

They used about **23.87 million ha of utilised agricultural area** (UAA), a slight increase of 0.5% compared with 2005. This area represented an average of 25.4 ha per holding (compared with 24.8 ha in 2005);

These holdings employed **931 700 AWUs** (annual work units), the equivalent of 931 700 people working full time (1.8% less than in 2005). The average area per AWU is 25.6 ha (around 0.6 ha more than in 2005);

They had **14.33 million livestock units** (LSU) in 2007, slightly less (-0.4%) than in 2005.

Amongst these **939 500** agricultural holdings:

63% made use of less than one AWU, while another 11% made use of 2 or more AWUs;

5% used less than 2 ha, while 10% used 50 ha or more;

21% of Spanish farms specialised in olives;

19% were specialists in fruit and citrus fruits;

11% of the holdings specialised in cereals, oil seed and protein crops;

8% of the holdings specialised in vineyards;

7% specialised in various permanent crops combined;

The family labour force decreased by 3% from 2005 to 2007 and it represented 64% of the total labour force in 2007.

Amongst the sole holders:

28% were women;

60% were aged 55 or more and 5% were younger than 35 years;

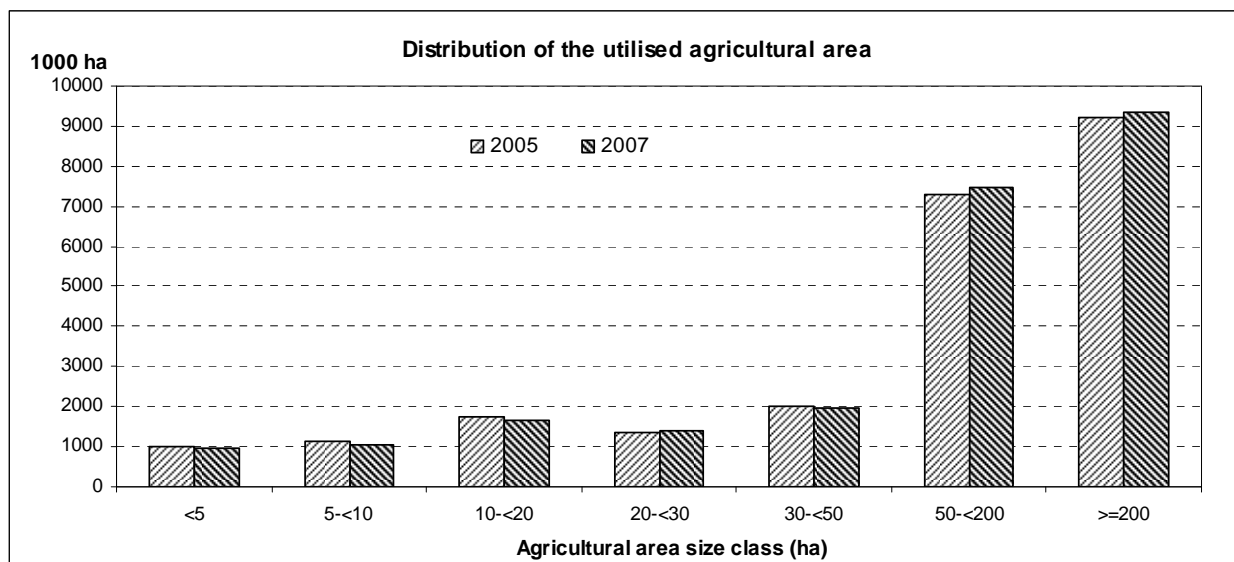
26% of the sole holders had another gainful activity in 2007.

In 2007 in Spain 68% of the agricultural area was farmed by its owners.

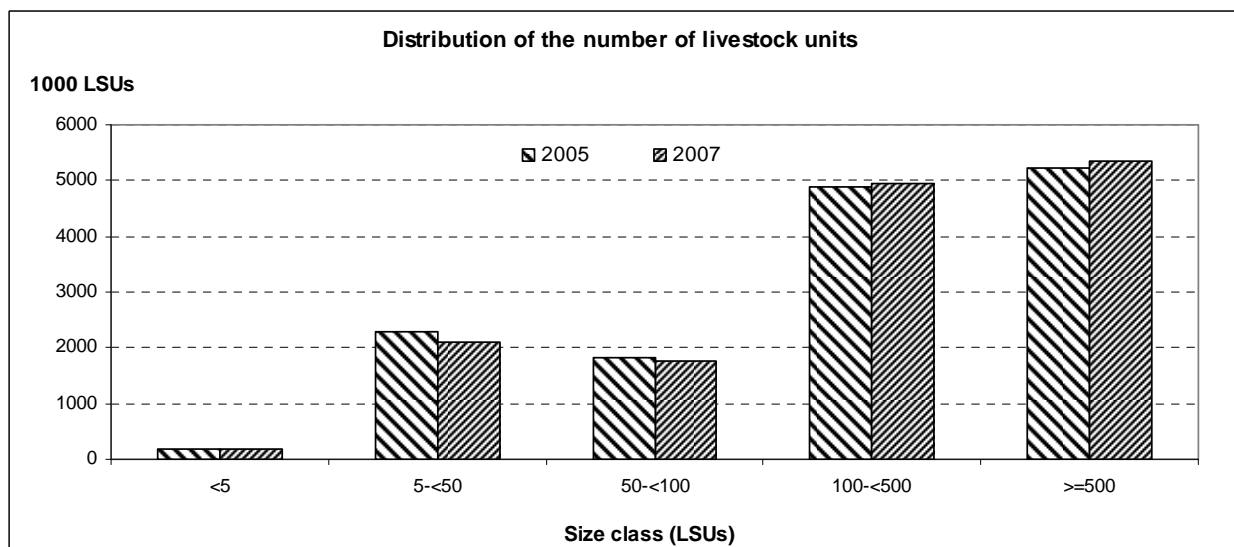
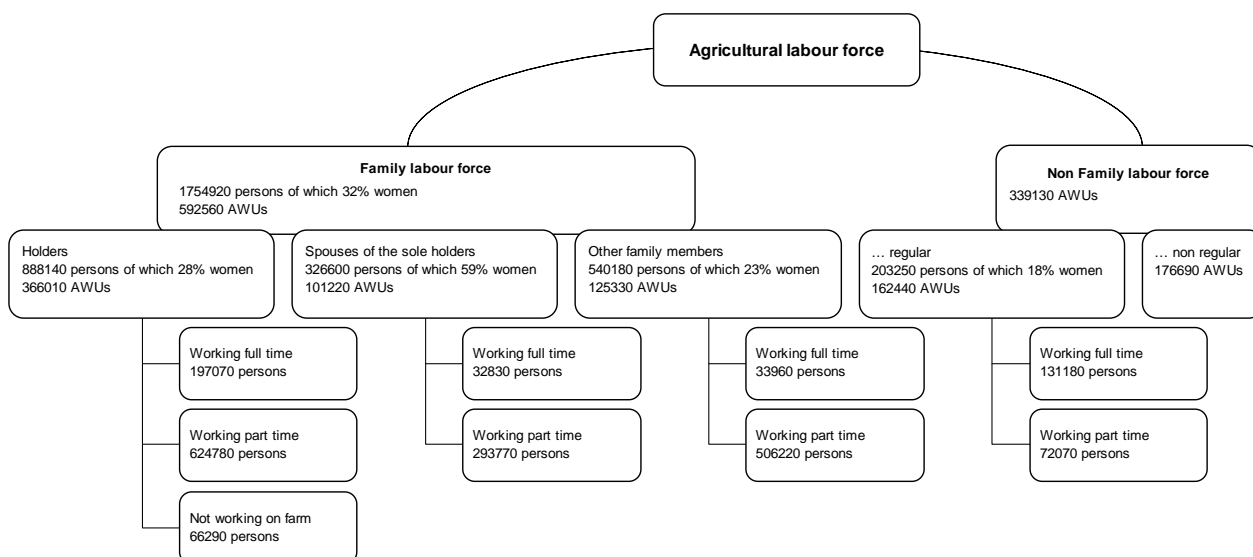
There was a noticeable increase in the area used for rape and turnip (multiplied by 3), sunflower and other oil-seed or fibre plants (+18%);

The area used for pulses fell by 35%.

The area used for cereals slightly decreased (-1.3%), but among cereals there were significant differences. The areas used for durum wheat decreased by 21%; the areas used for grain maize (+11%), rye (+11%), oats (+5%) and barley (+2%) all increased.



### Description of the labour force in Spain



\*LSUs = Livestock Units

Size of the farms	Agricultural area (ha)				All farms	Livestock (LSU*)				
	<20	20-<50	50-<100	>=100		0	>0-<50	50-<100	>=100	
<b>Total labour force</b>										
1000 annual work units	550.4	149.7	84.2	147.4	931.7	556.4	252.7	45.6	76.9	
<b>Family labour force</b>										
1000 persons	1431.2	187.8	74.9	61.0	1754.9	1243.9	438.8	40.9	31.4	
1000 annual work units	426.9	88.8	40.4	36.4	592.6	317.5	223.7	29.4	22.0	
<b>Non-family labour regularly employed</b>										
1000 persons	75.7	34.5	25.4	67.6	203.2	121.8	18.9	14.9	47.6	
1000 annual work units	57.2	26.9	20.5	57.9	162.4	89.6	15.1	13.3	44.4	
<b>Non regular non family labour force</b>										
1000 annual work units	66.3	34.0	23.3	53.1	176.7	149.3	13.9	2.9	10.6	
<b>Holding managers</b>	<b>1000</b>	<b>731.7</b>	<b>109.7</b>	<b>49.2</b>	<b>48.8</b>	<b>939.5</b>	<b>667.9</b>	<b>218.8</b>	<b>25.1</b>	<b>27.7</b>
- women (%)	(%)	19.0	15.7	8.9	9.7	17.6	14.6	28.4	12.8	9.9
- part-time: - under 50 % (%)	(%)	66.6	40.3	32.1	23.8	59.5	71.5	34.5	8.5	11.2
- 50 % and over (%)	(%)	14.5	16.8	17.2	18.9	15.1	12.8	23.0	10.9	13.7
<b>Sole/main holders</b>	<b>1000</b>	<b>713.2</b>	<b>98.7</b>	<b>41.9</b>	<b>34.4</b>	<b>888.1</b>	<b>636.9</b>	<b>213.3</b>	<b>21.0</b>	<b>17.1</b>
- women (%)	(%)	29.3	24.9	15.8	15.9	27.6	25.7	35.2	17.8	17.4
-distribution by age (%)	(%)									
- under 35 years		4.2	7.0	6.5	8.1	4.8	4.6	4.3	11.7	8.6
- from 35 to 44 years		12.7	17.4	18.5	22.5	13.9	13.3	13.6	26.1	24.4
- from 45 to 54 years		21.0	23.5	25.4	23.2	21.6	21.1	21.4	29.7	30.2
- from 55 to 64 years		24.5	26.5	30.4	26.8	25.1	24.4	27.4	23.0	24.2
- 65 years and over		37.7	25.6	19.2	19.4	34.7	36.7	33.3	9.5	12.7
- part-time: - under 50 % (%)	(%)	68.3	44.8	37.7	33.8	62.9	75.0	35.4	10.2	18.1
- 50 % and over (%)	(%)	14.9	18.7	20.3	26.9	16.0	13.4	23.6	13.1	22.2
- with another gainful activity <sup>1</sup> (%)	(%)	28.6	18.0	16.7	9.3	25.8	29.9	17.7	7.2	7.7
- as a main occupation		24.7	13.5	10.9	4.5	21.6	25.8	13.5	2.9	3.1
- as a subsidiary occupation		3.9	4.4	5.8	4.9	4.1	4.1	4.2	4.2	4.5
<b>Spouse of sole holder</b>	<b>1000</b>	<b>271.6</b>	<b>32.9</b>	<b>12.5</b>	<b>9.6</b>	<b>326.6</b>	<b>212.4</b>	<b>98.8</b>	<b>9.0</b>	<b>6.3</b>
- women (%)	(%)	58.1	61.1	72.6	75.4	59.4	61.8	52.3	73.2	71.7
-distribution by age (%)	(%)									
- under 35 years		2.9	3.9	3.3	4.4	3.0	3.1	2.3	9.2	4.4
- from 35 to 54 years		44.4	46.7	49.4	53.1	45.0	47.6	37.0	60.7	62.4
- 55 years and over		52.8	49.4	47.4	42.4	51.9	49.3	60.7	30.1	33.2
- part-time: - under 50 % (%)	(%)	78.8	65.2	69.3	66.8	76.7	88.1	57.1	42.8	47.0
- 50 % and over (%)	(%)	12.7	16.1	15.4	15.4	13.2	7.8	23.3	22.6	24.0
- with another gainful activity (%)	(%)	32.6	27.6	23.5	21.0	31.4	35.5	24.4	19.9	19.6
<b>Other members of the holder's family working on the holding</b>	<b>1000</b>	<b>446.4</b>	<b>56.2</b>	<b>20.5</b>	<b>17.1</b>	<b>540.2</b>	<b>394.6</b>	<b>126.7</b>	<b>10.9</b>	<b>8.0</b>
- women (%)	(%)	24.3	20.8	15.1	15.1	23.3	21.5	29.2	21.6	18.6
- part-time: - under 50 % (%)	(%)	88.7	75.6	72.9	64.5	86.0	90.9	75.4	55.2	50.1
- 50 % and over (%)	(%)	6.5	13.4	12.0	15.1	7.7	5.1	14.5	19.8	16.5
- with another gainful activity (%)	(%)	66.9	56.1	55.4	48.6	64.8	69.2	55.7	33.4	32.3

\*LSU = Livestock unit

<sup>1</sup> 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)				
	<20	20-<50	50-<100	>=100		0	>0-<50	50-<100	>=100	
<b>Holdings</b>										
- total number	1000	731.7	109.7	49.2	48.8	939.5	667.9	218.8	25.1	27.7
- by legal personality of the holder (%)										
- sole holder		97.5	90.0	85.1	70.4	94.5	95.4	97.4	83.5	61.6
- legal person		2.5	10.0	14.9	29.6	5.5	4.6	2.6	16.5	38.4
- group holders		0	0	0	0	0	0	0	0	0
- by employed labour force (%)										
- under 1 AWU		71.2	40.5	32.5	19.5	62.9	74.2	41.7	7.5	7.2
- from 1 to less than 2 AWU		21.6	39.3	44.6	43.4	26.0	18.6	43.2	56.4	40.4
- from 2 to less than 3 AWU		5.0	13.6	12.8	15.7	7.0	3.8	12.3	25.7	24.5
- 3 AWU and over		2.2	6.6	10.1	21.4	4.1	3.3	2.7	10.4	27.9
- by economic size (%)										
- from 1 to less than 8 ESU		63.8	19.0	3.2	2.6	52.2	54.2	58.7	0.4	0.2
- from 8 to less than 16 ESU		18.1	24.3	15.0	2.7	17.8	19.0	17.9	7.4	0.3
- from 16 to less than 40 ESU		13.4	28.2	45.8	26.3	17.5	16.9	17.8	39.1	9.3
- from 40 to less than 100 ESU		3.6	23.3	21.8	41.3	8.8	7.3	4.7	49.1	40.2
- 100 ESU and over		1.1	5.2	14.2	27.1	3.7	2.6	0.9	4.1	49.9
- by type of farming (top 5 + 'other') (%)										
... specialist olives		24.3	11.9	7.3	5.3	21.0	27.3	6.9	0.3	0.3
... specialist fruit and citrus fruit		22.5	5.8	3.4	1.8	18.5	23.7	6.9	0.3	0.2
... specialist cereals, oil seed and protein crops		5.6	24.5	33.6	38.3	10.9	13.4	6.1	0.9	0.3
... specialist vineyard		9.0	8.4	4.4	1.7	8.3	11.0	2.3	0.1	0
... various permanent crops combined		7.8	5.3	3.0	1.4	6.9	8.8	2.6	0.2	0.1
Other types of farming		30.8	44.1	48.3	51.5	34.4	15.9	75.2	98.3	99.1
- by farming methods (%)										
- organic farming		1.2	2.3	3.9	4.5	1.7	1.6	1.6	2.6	2.6
- irrigating		46.0	44.0	44.4	37.8	45.3	48.8	38.9	25.6	29.8
- with crops under glass		4.0	0.7	0.5	0.3	3.2	3.7	2.4	0.6	0.7
- with another gainful activity than agricultural production: (%)										
Tourism		3.1	5.1	6.8	8.1	3.8	3.3	4.8	5.3	5.5
Handicraft		0.4	0.8	0.7	2.1	0.5	0.4	0.9	1.1	1.3
Processing of farm products		0	0	0	0	0	0	0.1	0	0
Wood processing		1.3	1.5	1.9	1.5	1.4	0.8	2.8	2.0	1.9
Aquaculture		0	0	0	0.1	0	0	0	0	0
Renewable energy production		0	0	0.1	0	0	0	0	0	0
Contractual work		0	0.1	0.3	0.2	0.1	0	0	0.2	0.3
Other gainful activities n.a.e		0.4	0.8	1.8	2.2	0.6	0.6	0.6	0.9	0.9
		1.0	1.9	2.3	2.5	1.2	1.5	0.5	1.3	1.5

\*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)			
	<20	20-<50	50-<100	>=100		0	>0-<50	50-<100	>=100
<b>Area</b> (1000 ha)									
<b>Total area of agricultural holdings</b>	<b>5018.6</b>	<b>3985.9</b>	<b>4113.7</b>	<b>17420.0</b>	<b>30538.3</b>	<b>18665.2</b>	<b>4915.6</b>	<b>2234.6</b>	<b>4722.9</b>
• <b>H. Other area</b>	<b>1298.7</b>	<b>603.8</b>	<b>663.9</b>	<b>4097.6</b>	<b>6664.0</b>	<b>4394.7</b>	<b>951.0</b>	<b>382.5</b>	<b>935.8</b>
Wooded area	605.5	338.6	381.2	2430.7	3756.0	2346.6	527.9	243.7	637.7
• <b>Agricultural area</b>	<b>3719.9</b>	<b>3382.2</b>	<b>3449.8</b>	<b>13322.4</b>	<b>23874.3</b>	<b>14270.5</b>	<b>3964.7</b>	<b>1852.1</b>	<b>3787.0</b>
- <b>D. Arable land</b>	<b>1086.5</b>	<b>1787.2</b>	<b>2250.5</b>	<b>6672.5</b>	<b>11796.7</b>	<b>7989.7</b>	<b>1908.6</b>	<b>711.6</b>	<b>1186.8</b>
Cereals	570.1	1075.6	1417.0	3950.2	7013.0	4837.5	1101.0	380.6	693.8
<i>Common wheat and spelt</i>	103.1	194.8	292.6	773.5	1364.0	961.0	232.7	54.4	115.9
<i>Durum wheat</i>	52.2	98.4	125.7	456.1	732.4	551.5	94.5	26.9	59.4
<i>Rye</i>	8.6	17.2	30.0	78.3	134.1	57.5	35.8	17.8	23.1
<i>Barley</i>	233.8	520.3	735.0	2002.3	3491.4	2549.7	489.2	171.5	281.0
<i>Oats</i>	56.1	108.5	130.1	423.5	718.2	333.8	147.2	85.5	151.7
<i>Grain maize</i>	78.0	101.9	77.4	132.1	389.5	243.3	85.0	20.4	40.8
Dried pulses	21.5	40.6	57.9	202.0	321.9	225.6	52.9	15.5	27.9
Root crops	29.0	37.4	30.9	57.2	154.5	112.9	31.6	4.4	5.6
<i>Potatoes</i>	19.7	15.2	12.3	15.6	62.8	40.8	19.0	1.3	1.7
<i>Sugar beet</i>	7.1	20.9	18.4	36.9	83.2	67.4	10.0	2.3	3.4
<i>Fodder root</i>	2.3	1.3	0.3	4.7	8.5	4.7	2.6	0.7	0.5
Industrial crops	60.5	101.9	107.2	475.1	744.7	598.6	100.0	12.9	33.1
<i>Tobacco</i>	6.0	3.9	1.5	1.8	13.3	11.6	1.5	0	0.2
<i>Hops</i>	0.2	0	0	0	0.2	0.1	0.2	0	0
<i>Cotton</i>	13.3	11.4	11.0	21.6	57.4	51.1	2.6	0.3	3.3
<i>Rape and turnip</i>	0.5	3.4	3.9	10.5	18.3	11.5	1.9	0.9	4.0
<i>Sunflower</i>	38.9	78.9	87.6	413.0	618.4	491.2	92.3	11.5	23.4
<i>Soya</i>	0	1.0	0	0.3	1.3	0.9	0	0	0.4
Fresh vegetables, melons, strawberry	101.7	42.1	44.4	95.3	283.5	241.1	26.1	5.0	11.3
<i>outside</i>	66.1	39.1	41.5	91.7	238.3	200.1	22.8	4.4	11.1
<i>under glass</i>	35.6	3.1	2.9	3.6	45.2	41.0	3.4	0.7	0.2
Flower and ornamental plants	4.4	0.7	0.6	0.4	6.1	5.5	0.5	0	0.1
<i>outside</i>	2.1	0.6	0.5	0.4	3.5	3.2	0.2	0	0.1
<i>under glass</i>	2.3	0.1	0.1	0.1	2.6	2.3	0.3	0	0
Forage plants	119.3	159.9	132.7	288.2	700.1	199.9	196.6	127.8	175.8
Fallow land	179.6	328.9	459.5	1603.6	2571.6	1767.7	399.8	165.4	238.7
- <b>E. Kitchen garden</b>	<b>3.0</b>	<b>0.5</b>	<b>0.2</b>	<b>0.1</b>	<b>3.8</b>	<b>1.6</b>	<b>2.0</b>	<b>0.1</b>	<b>0.1</b>
- <b>F. Permanent pasture and meadows</b>	<b>671.1</b>	<b>663.8</b>	<b>650.1</b>	<b>5760.2</b>	<b>7745.3</b>	<b>2501.5</b>	<b>1669.3</b>	<b>1084.9</b>	<b>2489.6</b>
- <b>G. Permanent crops</b>	<b>1959.2</b>	<b>930.6</b>	<b>549.1</b>	<b>889.6</b>	<b>4328.5</b>	<b>3777.7</b>	<b>384.8</b>	<b>55.4</b>	<b>110.6</b>
Fruit and berry plantation	424.7	178.2	89.0	118.1	810.0	669.8	101.9	15.6	22.7
Citrus plantation	179.1	35.0	24.8	49.0	287.9	268.0	13.6	1.5	4.8
Olive trees	939.1	444.8	278.8	525.2	2187.9	1879.8	207.8	30.5	69.7
Vineyard	410.2	270.1	154.6	195.4	1030.3	949.5	60.3	7.6	13.0
<b>Ratios</b>									
<b>Agricultural area per holding</b> (ha)	<b>5.1</b>	<b>30.8</b>	<b>70.1</b>	<b>272.8</b>	<b>25.4</b>	<b>21.4</b>	<b>18.1</b>	<b>73.7</b>	<b>136.8</b>
<b>Agricultural area...</b> (%)									
... own farmed	86.3	69.3	58.1	65.2	68.1	72.6	60.1	51.7	67.2
... in less favoured or mountain area	69.0	74.7	76.6	80.9	77.5	74.2	82.0	85.9	81.2
... organic farmed	1.1	1.5	1.5	1.4	1.4	1.3	1.2	2.1	1.7
... irrigated	24.0	19.1	14.8	9.0	13.6	17.9	9.5	5.1	6.0

\*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)			
	<20	20-<50	50-<100	>=100		0	>0-<50	50-<100	>=100
<b>Total livestock</b> (1000 LSU)	<b>6918.7</b>	<b>2480.2</b>	<b>1581.9</b>	<b>3352.4</b>	<b>14333.2</b>	<b>0</b>	<b>2268.1</b>	<b>1761.5</b>	<b>10303.5</b>
of which grazing (%)	31.7	51.5	54.0	61.5	44.6	:	89.0	87.0	27.5
<b>Grazing livestock</b> (1000 heads)									
<b>Equidae</b>	<b>132.6</b>	<b>38.0</b>	<b>30.9</b>	<b>48.7</b>	<b>250.2</b>	<b>0</b>	<b>159.7</b>	<b>35.6</b>	<b>55.0</b>
<b>Bovine animals</b>	<b>1882.6</b>	<b>1265.3</b>	<b>774.0</b>	<b>1799.4</b>	<b>5721.2</b>	<b>0</b>	<b>1713.3</b>	<b>1213.2</b>	<b>2794.7</b>
Under 1 year	607.0	357.9	238.7	456.3	1659.8	0	468.0	330.7	861.1
From 1 to less than 2 years	215.9	164.0	105.5	235.4	720.8	0	149.2	151.3	420.4
Dairy cows	389.0	341.8	146.1	98.0	974.8	0	356.3	270.5	348.0
Other cows	491.3	272.0	192.1	706.3	1661.7	0	588.8	311.0	761.9
Other bovine animals 2 years and older	179.3	129.7	91.6	303.4	704.0	0	151.0	149.7	403.3
<b>Sheep</b>	<b>6040.9</b>	<b>2942.2</b>	<b>2601.6</b>	<b>7136.2</b>	<b>18720.9</b>	<b>0</b>	<b>5149.0</b>	<b>5594.8</b>	<b>7977.1</b>
<b>Goats</b>	<b>1526.3</b>	<b>259.5</b>	<b>244.2</b>	<b>434.3</b>	<b>2464.3</b>	<b>0</b>	<b>1312.6</b>	<b>632.2</b>	<b>519.5</b>
<b>Granivores</b>									
<b>Pigs</b> (1000 heads)	<b>12518.8</b>	<b>3876.8</b>	<b>2403.9</b>	<b>4609.8</b>	<b>23409.2</b>	<b>0</b>	<b>889.4</b>	<b>793.3</b>	<b>21726.4</b>
Piglets < 20 kg	3156.6	953.9	579.4	1366.5	6056.4	0	426.3	379.1	5251.0
Breeding sows	1691.8	508.5	341.6	673.5	3215.3	0	168.2	145.4	2901.7
Other pigs	7670.3	2414.4	1482.9	2569.8	14137.4	0	294.9	268.9	13573.7
<b>Poultry</b> (million heads)	<b>125.5</b>	<b>18.1</b>	<b>8.7</b>	<b>11.9</b>	<b>164.2</b>	<b>0</b>	<b>3.3</b>	<b>8.1</b>	<b>152.8</b>
Broilers	67.2	12.9	5.7	3.8	89.6	0	1.1	7.3	81.2
Laying hens	46.6	3.2	2.2	7.8	59.7	0	1.8	0.8	57.1
Other poultry	11.8	2.0	0.8	0.3	14.9	0	0.3	0.1	14.5
<b>Rabbits, breeding females</b> (1000 heads)	<b>1073.5</b>	<b>122.3</b>	<b>33.5</b>	<b>8.9</b>	<b>1238.3</b>	<b>0</b>	<b>1085.3</b>	<b>55.3</b>	<b>97.7</b>
<b>Beehives</b> (1000)	<b>668.0</b>	<b>87.8</b>	<b>18.6</b>	<b>46.6</b>	<b>821.0</b>	<b>617.5</b>	<b>175.1</b>	<b>11.9</b>	<b>16.5</b>
<b>Average size of herds*</b> (head/holding)									
Equidae (head/holding)	3.1	4.4	7.5	8.1	4.1	:	3.2	6.1	10.0
Cattle (head/holding)	24.9	59.9	88.8	167.0	49.2	:	19.2	83.3	225.6
Dairy cows (head/holding)	15.4	39.5	65.8	88.9	26.2	:	12.5	47.0	113.0
Other cows (head/holding)	10.1	24.3	39.5	96.6	23.2	:	10.2	44.2	110.7
Sheep (head/holding)	131.9	268.1	368.3	723.9	254.0	:	93.9	512.2	1002.3
Goats (head/holding)	66.5	56.9	109.6	130.6	74.5	:	51.9	129.2	178.8
Pigs (head/holding)	170.0	260.9	425.8	706.7	232.6	:	11.4	106.1	1458.2
Breeding sows (head/holding)	78.0	88.1	110.6	149.7	91.8	:	7.4	36.5	351.9
Other pigs > 20 kg (head/holding)	122.1	186.8	305.9	449.1	163.8	:	4.4	42.4	1006.7
Rabbits, breeding females (head/holding)	32.4	21.4	26.0	9.0	30.1	:	28.4	32.2	80.2
Laying hens (1000/holding)	0.4	0.1	0.3	1.2	0.4	:	0	0.1	9.5
Broilers (1000/holding)	1.4	1.7	2.6	1.8	1.5	:	0	2.0	21.1
Beehives (hive/holding)	73.9	50.1	46.0	94.6	70.2	257.1	21.1	20.8	39.3

\*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)	2125.3	167.1	1958.2	7.9	92.1
Regular labour force	(1000 AWU)	790.1	35.2	755.0	4.4	95.6
Holder with...	(1000)	988.1	99.9	888.1	10.1	89.9
... at least 65 years		361.4	52.8	308.6	14.6	85.4
... another gainful activity		270.4	28.3	242.0	10.5	89.5
<b>Number of sole holdings</b>	<b>(1000)</b>	<b>1043.9</b>	<b>104.4</b>	<b>939.5</b>	<b>10.0</b>	<b>90.0</b>
... producing mainly for own consumption		2.8	1.1	1.7	37.9	62.1
... producing mainly for direct sales		1.4	0.1	1.3	7.9	92.1
SGM	(1000 ESU)	21542.4	53.5	21489.0	0.2	99.8
<b>Agricultural area</b>	<b>(1000 ha)</b>	<b>24892.5</b>	<b>1018.2</b>	<b>23874.3</b>	<b>4.1</b>	<b>95.9</b>
... own farmed		17213.4	964.0	16249.4	5.6	94.4
<b>Livestock</b>	<b>(1000 LSU*)</b>	<b>14380.7</b>	<b>47.5</b>	<b>14333.2</b>	<b>0.3</b>	<b>99.7</b>

\*LSU = Livestock unit

### ➤ METHODOLOGICAL NOTES

The Spanish National Institute of Statistics (INE) in collaboration with their Provincial Offices and the Regional Statistical Offices of the Basque Country and Catalonia, implemented the survey on the structure of agricultural holdings in Spain. The FSS 2007 was the third survey after the last Agricultural Census in 1999 (AC 1999). The reference period was from October 2006 to September 2007 except in the case of the livestock; here the reference date is the day of the interview (that was conducted between 8 October and 31 December).

The holdings targeted by the survey had at least 1 ha of UAA or 0.2 ha of UAA under vegetables, flowers, and ornamental plants, crops under glass, irrigated fruit trees (including citrus) or nurseries, or had, in the AC 1999, one or more livestock units and a Total Gross Margin of at least 0.75 ESU (900 – Euro SGM).

The sampling frame consisted of 1.29 million holdings (that meet the criteria mentioned above), which were taken from the results of the Agriculture Census 1999, subsequently updated with administrative sources.

From the initial population a panel of farms was selected and used for the FSS surveys (2003, 2005 and 2007) with a initial size close to 54 000 holdings. The sample was updated by the "daughter farms" (new farms that are generated when old farms cease their activity). This sample is chosen using a stratified simple random sample and the Bethel algorithm allocation method.

The stratification criteria used were the administrative districts (NUTS II), typology, and 5 size classes defined by economic size, annual working unit, livestock unit, utilised agricultural area and area taken together by arable land, permanent crops and kitchen gardens.

Altogether about 46 490 questionnaires were completed using a face-to-face interview (response rate was 90,8%). Imputation was used for total and item non-response.

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 Spain it covers close to 250 000 ha, 97% 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 Spain it is 1824 hours (228 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 Instituto Nacional de Estadística:  
[http://www.ine.es/en/welcome\\_en.htm](http://www.ine.es/en/welcome_en.htm)

National Methodological Report – FSS 2007 (available on request)

## Further information

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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>

More information about "Agriculture Statistics":

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

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