

## Farm structure in Czech Republic – 2007

### The average area per agricultural holding is 135 hectares.

*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 Czech Republic.*

*39 400 agricultural holdings were recorded in Czech Republic in the 2007 Farm structure survey (7% less than in 2005). This drop is mainly related to a decrease in the number of small farms.*

\* \* \*

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 25 900 agricultural holdings (66%) had an economic size of at least 1 ESU, compared to 26 800 in 2005.

- They used 3.5 million ha of agricultural area, which is on average 135 ha per holding (compared to 132 ha in 2005);
- These holdings employed 128 600 AWUs (annual work units), the equivalent of 128 600 people working full time (-10% compared to 2005);
- They had 2.04 million livestock units (LSU) in 2007, 1% less than in 2005.

Amongst these 25 900 agricultural holdings:

- 32% made use of less than one AWU, while another 30% made use of 2 or more AWUs;
- 58% used less than 20 ha, while 25% used 50 ha or more;
- 49% of the holdings specialised in crops;
- 19% of the holdings specialised in cereals, oil seed and protein crops;
- 15% were engaged in general field cropping;

- 13% specialised in field crops and grazing livestock combined.

Amongst the sole holders:

- 16% were women in 2007, (compared to 15% in 2005);
- 42% were aged 55 or more, and 12% were younger than 35 years;
- 40% had another gainful activity in 2007;

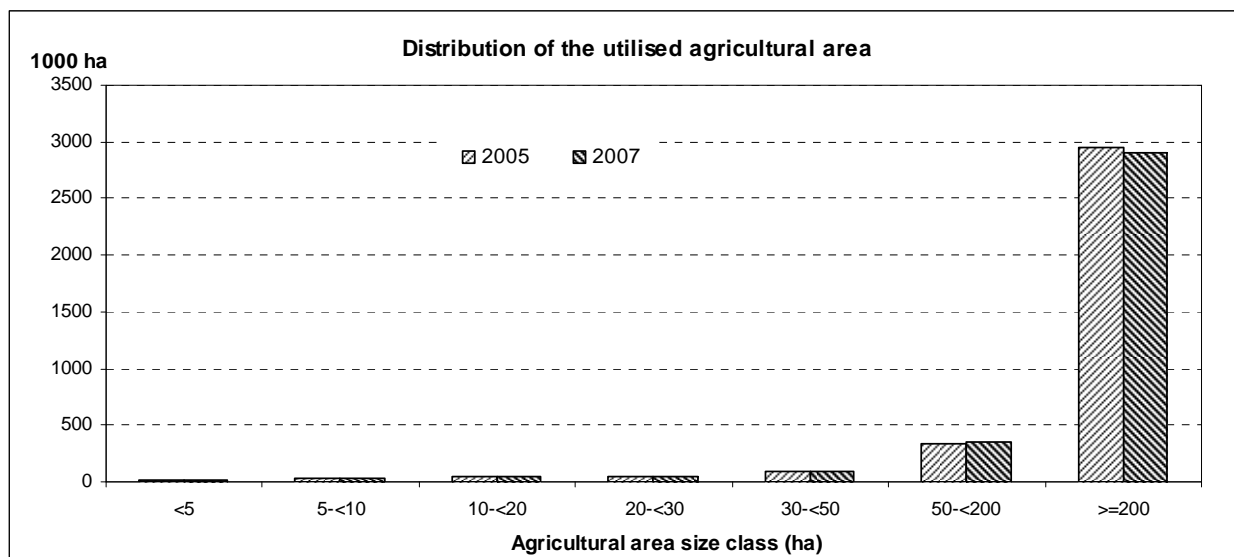
In the Czech Republic in 2007, 16% of the agricultural area was owned by farmers.

216 000 ha (6.2% of the utilised agricultural area), were organically farmed (compared to 5.5% in 2005). The number of holdings with organic farming area increased by 25%, and the area rose by 10%. On average a Czech organic farm has 300 ha.

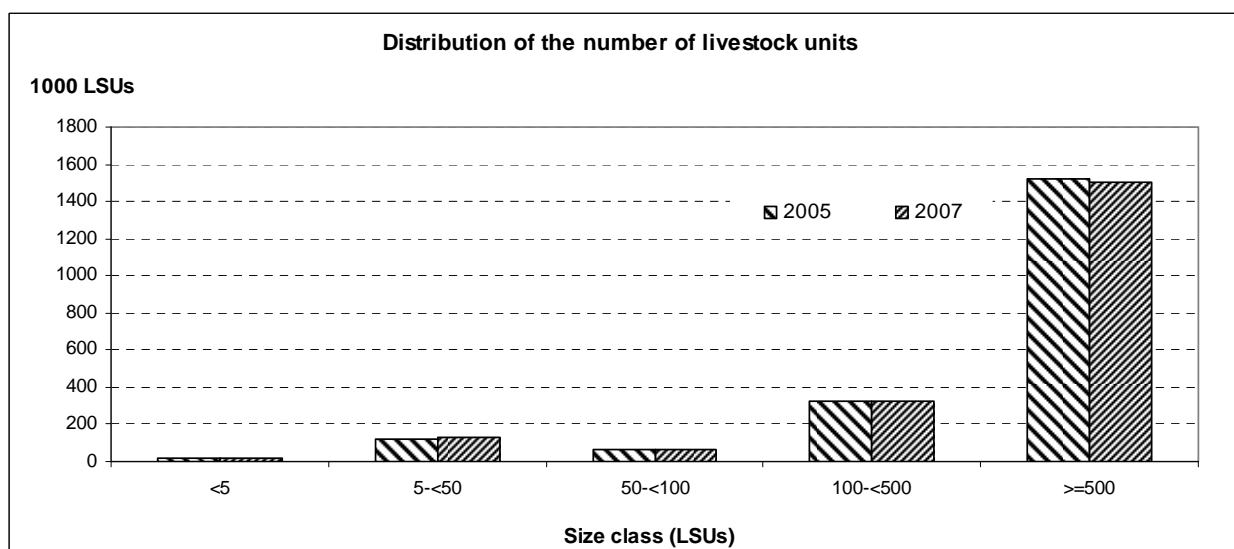
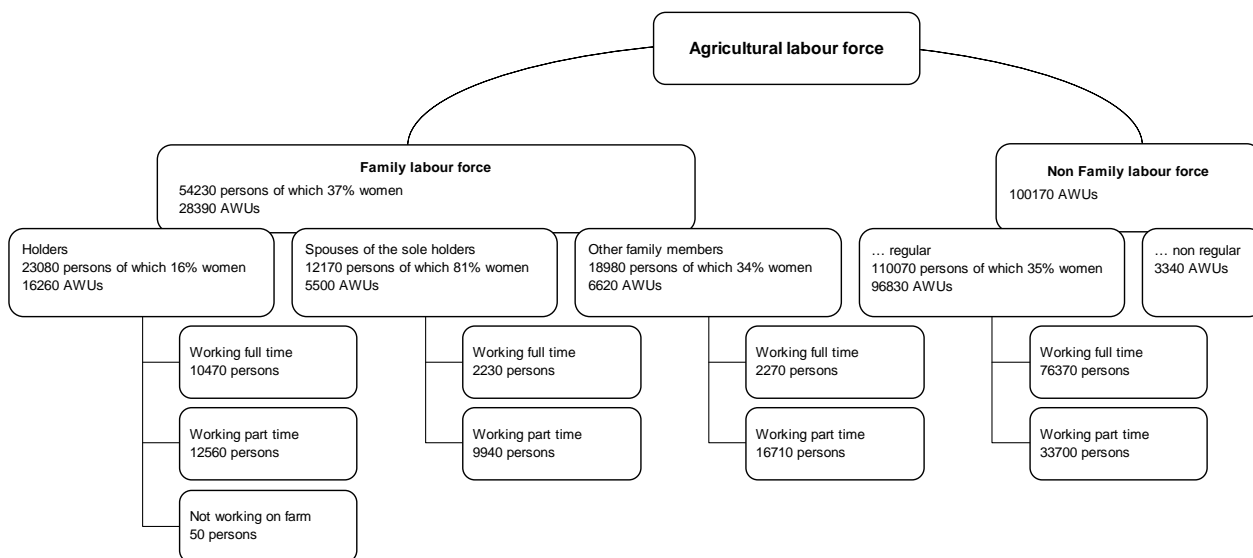
The number of farms with another gainful activity other than agricultural production rose from 14% in 2005, to 15% in 2007.

The irrigated area (irrigated once a year) in the Czech Republic increased by 15% from 2005 to 2007, but it remains only 0.6% of the UAA.

The AWU of family labour force was stable from 2005 to 2007, but the number of family members (number of persons) participating in agricultural work increased during this period. The overall number of family members working on the holding rose by 25% and in particular the number of spouses increased by 42%.



### Description of the labour force in the Czech Republic



\*LSUs = Livestock Unit

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	25.0	7.2	5.5	90.8	128.6	18.5	21.2	3.2	85.6	
<b>Family labour force</b>										
1000 persons	34.0	9.7	5.1	5.5	54.2	13.9	36.6	2.1	1.6	
1000 annual work units	14.9	5.8	3.5	4.2	28.4	6.7	18.8	1.6	1.3	
<b>Non-family labour regularly employed</b>										
1000 persons	11.4	1.6	2.3	94.7	110.1	13.2	2.8	1.7	92.3	
1000 annual work units	9.6	1.3	1.9	84.0	96.8	10.9	2.3	1.5	82.2	
<b>Non regular non family labour force</b>										
1000 annual work units	0.4	0.1	0.2	2.6	3.3	0.9	0.2	0.1	2.2	
<b>Holding managers</b>	<b>1000</b>	<b>14.9</b>	<b>4.4</b>	<b>2.3</b>	<b>4.3</b>	<b>25.9</b>	<b>7.2</b>	<b>15.5</b>	<b>1.0</b>	<b>2.3</b>
- women	(%)	17.5	12.4	9.6	7.4	14.3	13.2	16.0	12.6	6.5
- part-time: - under 50 %	(%)	41.3	16.8	8.3	5.4	28.3	38.9	28.4	5.3	4.0
- 50 % and over	(%)	28.8	19.9	13.7	6.8	22.3	18.9	27.3	7.2	5.5
<b>Sole/main holders</b>	<b>1000</b>	<b>14.5</b>	<b>4.3</b>	<b>2.2</b>	<b>2.2</b>	<b>23.1</b>	<b>6.4</b>	<b>15.2</b>	<b>0.8</b>	<b>0.6</b>
- women	(%)	18.4	13.0	9.7	9.1	15.7	14.5	16.7	11.8	9.2
-distribution by age	(%)									
- under 35 years		9.7	14.7	18.9	15.2	12.0	13.4	11.3	15.2	10.8
- from 35 to 44 years		16.6	20.9	24.3	25.1	18.9	21.4	17.4	25.0	22.9
- from 45 to 54 years		25.9	29.4	28.2	28.9	27.0	28.6	26.1	30.3	28.3
- from 55 to 64 years		28.4	25.7	22.4	24.8	27.0	25.9	27.4	23.7	32.0
- 65 years and over		19.4	9.2	6.3	6.0	15.0	10.6	17.7	5.7	6.0
- part-time: - under 50 %	(%)	42.6	17.5	8.9	10.4	31.8	43.3	28.9	6.2	14.9
- 50 % and over	(%)	29.7	20.8	14.7	13.2	25.1	21.1	27.8	8.5	20.8
- with another gainful activity <sup>1</sup>	(%)	49.2	33.4	18.7	12.8	39.9	45.0	40.5	11.0	10.6
- as main occupation		44.1	25.4	12.9	6.9	34.2	39.6	34.5	5.5	6.0
- as a subsidiary occupation		5.1	8.0	5.9	5.9	5.8	5.4	6.0	5.4	4.5
<b>Spouse of sole holder</b>	<b>1000</b>	<b>8.0</b>	<b>2.1</b>	<b>1.0</b>	<b>1.1</b>	<b>12.2</b>	<b>3.0</b>	<b>8.4</b>	<b>0.5</b>	<b>0.3</b>
- women	(%)	78.7	82.3	86.8	88.8	80.9	81.2	80.1	85.7	91.8
-distribution by age	(%)									
- under 35 years		8.6	12.4	16.5	14.7	10.5	11.5	9.8	13.0	15.5
- from 35 to 54 years		46.9	55.8	60.3	61.4	50.9	56.6	48.0	61.3	56.8
- 55 years and over		44.4	31.9	23.3	23.9	38.7	31.9	42.2	25.5	27.7
- part-time: - under 50 %	(%)	69.5	54.3	45.3	37.0	62.0	69.0	62.6	27.4	31.3
- 50 % and over	(%)	18.9	22.3	20.7	19.3	19.7	15.1	21.4	21.2	14.6
- with another gainful activity	(%)	68.8	74.1	66.3	60.0	68.7	87.0	64.4	45.4	47.1
<b>Other members of the holder's family working on the holding</b>	<b>1000</b>	<b>11.6</b>	<b>3.4</b>	<b>1.9</b>	<b>2.1</b>	<b>19.0</b>	<b>4.5</b>	<b>13.0</b>	<b>0.8</b>	<b>0.7</b>
- women	(%)	36.8	30.8	27.5	27.0	33.7	35.4	33.7	28.3	30.3
- part-time: - under 50 %	(%)	85.0	71.2	59.2	39.0	74.8	79.1	77.8	43.6	27.7
- 50 % and over	(%)	10.7	17.1	16.6	17.3	13.2	10.3	13.9	15.1	17.0
- with another gainful activity	(%)	63.0	54.0	35.5	25.9	54.5	52.7	58.7	28.9	16.8

\*LSU = Livestock Unit

<sup>1</sup>Only holders who are also farms manager

"0" less than half of the unit or nil

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	14.9	4.4	2.3	4.3	25.9	7.2	15.5	1.0	2.3
- by legal personality of the holder	(%)									
- sole holder		96.9	95.8	93.4	51.9	89.0	89.7	98.2	85.2	26.6
- legal person		3.1	4.2	6.6	48.1	11.0	10.3	1.8	14.8	73.4
- group holders		0	0	0	0	0	0	0	0	0
- by employed labour force	(%)									
- under 1 AWU		47.1	22.4	11.2	2.8	32.4	43.3	33.7	3.9	1.0
- from 1 to less than 2 AWU		37.5	51.5	48.5	16.5	37.4	31.5	45.8	26.6	4.1
- from 2 to less than 3 AWU		10.1	18.1	25.1	12.9	13.2	10.0	15.1	27.4	4.7
- 3 AWU and over		5.3	8.1	15.2	67.8	16.9	15.2	5.3	42.1	90.2
- by economic size	(%)									
- from 1 to less than 8 ESU		85.8	43.2	12.8	1.1	58.1	51.3	73.3	1.9	0.3
- from 8 to less than 16 ESU		6.5	38.6	19.8	3.8	12.8	14.3	13.7	13.8	1.2
- from 16 to less than 40 ESU		4.5	14.2	55.5	15.0	12.4	15.5	9.9	42.9	6.6
- from 40 to less than 100 ESU		2.0	2.8	8.7	27.8	7.0	9.9	2.3	34.1	17.6
- 100 ESU and over		1.2	1.2	3.1	52.5	9.8	9.0	0.8	7.3	74.3
- by type of farming (top 5 + 'other')	(%)									
... specialist cereals, oil seed and protein crops		10.9	27.3	32.4	31.4	19.0	33.4	14.7	10.2	6.7
... general field cropping		16.6	11.9	12.6	10.8	14.5	16.5	15.5	4.3	5.6
... field crops – grazing livestock combined		10.8	14.5	13.4	21.0	13.3	0.6	16.4	15.8	31.0
... specialist cattle – rearing and fattening		4.0	13.2	13.0	11.6	7.6	0	9.4	27.6	11.0
... mixed cropping		9.2	4.6	4.1	6.3	7.5	2.9	9.6	4.0	9.3
Other farmtypes		48.4	28.5	24.5	18.9	38.0	46.5	34.3	38.0	36.4
- by farming methods	(%)									
- organic farming		0.5	2.8	5.3	9.3	2.8	0.7	2.1	13.9	9.1
- irrigating		8.9	3.6	3.8	5.1	6.9	18.2	2.6	1.3	3.3
- with crops under glass		3.7	0.4	0.4	0.3	2.3	7.0	0.5	0	0.3
- with another gainful activity than agricultural production:	(%)									
Tourism		12.9	14.5	16.9	22.2	15.1	19.5	11.4	14.5	26.1
Handicraft		1.2	3.1	3.3	3.3	2.1	1.3	2.2	3.1	3.2
Processing of farm products		0.9	1.2	1.1	1.6	1.1	0.9	1.0	0.3	2.4
Wood processing		4.2	1.1	1.4	3.0	3.2	7.8	0.9	0.9	5.1
Aquaculture		0.9	1.5	2.3	2.1	1.3	0.8	1.3	1.9	2.7
Renewable energy production		0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2
Contractual work		0.1	0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.4
Other gainful activities n.a.e		0.9	2.7	4.1	6.7	2.4	1.5	2.0	5.0	7.0
		5.3	6.1	6.5	10.0	6.3	8.0	4.7	5.6	11.8

\*LSU = Livestock unit

": not available

"0" less than half of the unit or nil

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>	<b>(1000 ha)</b>								
<b>Total area of agricultural holdings</b>	<b>127.8</b>	<b>152.3</b>	<b>178.3</b>	<b>4512.7</b>	<b>4971.0</b>	<b>546.1</b>	<b>1813.7</b>	<b>175.9</b>	<b>2435.4</b>
· <b>H. Other area</b>	<b>38.0</b>	<b>11.7</b>	<b>17.3</b>	<b>1414.4</b>	<b>1481.3</b>	<b>42.5</b>	<b>1385.1</b>	<b>11.4</b>	<b>42.4</b>
Wooded area	30.2	10.1	15.6	1381.9	1437.8	39.3	1380.3	8.3	9.9
· <b>Agricultural area</b>	<b>89.8</b>	<b>140.6</b>	<b>161.1</b>	<b>3098.3</b>	<b>3489.7</b>	<b>503.6</b>	<b>428.6</b>	<b>164.5</b>	<b>2393.0</b>
- <b>D. Arable land</b>	<b>47.2</b>	<b>79.6</b>	<b>99.4</b>	<b>2339.7</b>	<b>2565.8</b>	<b>463.7</b>	<b>259.5</b>	<b>84.3</b>	<b>1758.3</b>
Cereals	32.8	55.8	66.4	1387.1	1542.1	305.9	179.2	53.8	1003.2
<i>Common wheat and spelt</i>	15.4	27.0	33.4	723.1	799.0	168.3	87.2	25.4	518.1
<i>Durum wheat</i>	0	0	0	0	0	0	0	0	0
<i>Rye</i>	0.6	1.0	1.5	37.3	40.4	6.8	3.9	1.4	28.4
<i>Barley</i>	11.6	19.6	21.9	434.1	487.2	90.5	60.4	18.4	317.8
<i>Oats</i>	3.0	4.2	4.3	48.2	59.7	8.6	13.2	3.9	34.1
<i>Grain maize</i>	0.6	1.2	2.1	95.3	99.2	23.7	6.3	1.8	67.4
Dried pulses	0.4	1.1	1.4	26.7	29.7	6.0	3.3	1.0	19.3
Root crops	3.6	3.0	3.7	77.4	87.7	19.9	9.3	2.2	56.4
<i>Potatoes</i>	3.2	2.4	2.3	24.3	32.2	7.7	5.9	0.8	17.8
<i>Sugar beet</i>	0.1	0.4	1.3	52.2	54.1	11.9	2.8	1.4	38.0
<i>Fodder root</i>	0.3	0.2	0.1	0.8	1.4	0.3	0.6	0	0.5
Industrial crops	2.7	8.8	15.4	431.1	458.1	106.6	40.3	14.2	297.0
<i>Tobacco</i>	0	0	0	0	0	0	0	0	0
<i>Hops</i>	0	0.1	0.3	5.1	5.5	2.2	0.5	0.3	2.6
<i>Cotton</i>	0	0	0	0	0	0	0	0	0
<i>Rape and turnip</i>	1.9	5.8	10.1	313.9	331.7	68.9	28.3	10.7	223.7
<i>Sunflower</i>	0.1	0.4	0.9	22.6	24.1	9.4	2.0	0.6	12.1
<i>Soya</i>	0	0.1	0.3	6.7	7.2	1.7	1.0	0.2	4.4
Fresh vegetables, melons, strawberry	1.3	0.9	1.2	6.8	10.2	6.3	0.7	0.1	3.1
<i>outside</i>	1.3	0.9	1.2	6.8	10.1	6.3	0.6	0.1	3.1
<i>under glass</i>	0.1	0	0	0	0.1	0.1	0	0	0
Flower and ornamental plants	0.7	0.2	0	0.1	1.0	0.9	0.1	0	0
<i>outside</i>	0.6	0.2	0	0.1	0.9	0.8	0.1	0	0
<i>under glass</i>	0.1	0	0	0	0.1	0.1	0	0	0
Forage plants	4.8	8.5	9.9	386.9	410.0	9.3	23.4	12.0	365.4
Fallow land	0.6	0.8	0.8	12.2	14.5	5.6	2.4	0.6	5.9
- <b>E. Kitchen garden</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.5</b>	<b>0.1</b>	<b>0.3</b>	<b>0</b>	<b>0.1</b>
- <b>F. Permanent pasture and meadows</b>	<b>35.3</b>	<b>57.1</b>	<b>57.7</b>	<b>736.6</b>	<b>886.7</b>	<b>19.0</b>	<b>165.2</b>	<b>79.6</b>	<b>622.8</b>
- <b>G. Permanent crops</b>	<b>7.1</b>	<b>3.8</b>	<b>3.9</b>	<b>21.9</b>	<b>36.7</b>	<b>20.7</b>	<b>3.6</b>	<b>0.6</b>	<b>11.8</b>
Fruit and berry plantation	3.0	2.1	1.9	13.4	20.4	10.4	2.5	0.4	7.2
Citrus plantation	0	0	0	0	0	0	0	0	0
Olive trees	0	0	0	0	0	0	0	0	0
Vineyard	3.3	1.3	1.6	8.0	14.1	8.6	0.9	0.2	4.4
<b>Ratios</b>									
<b>Agricultural area per holding</b>	<b>(ha)</b>								
	<b>6.0</b>	<b>31.6</b>	<b>69.8</b>	<b>727.5</b>	<b>134.6</b>	<b>70.1</b>	<b>27.7</b>	<b>170.1</b>	<b>1040.4</b>
<b>Agricultural area...</b>	<b>(%)</b>								
... own farmed	73.2	52.8	42.0	11.5	16.2	21.8	44.5	28.8	9.0
... in less favoured or mountain area	:	:	:	:	:	:	:	:	:
... organic farmed	1.0	2.8	5.4	6.5	6.2	1.1	4.6	17.1	6.8
... irrigated	2.2	1.0	1.1	0.5	0.6	2.7	0.4	0	0.2

\*LSU = Livestock unit

": " not available

"0" less than half of the unit or nil

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>	<b>(1000 LSU)</b>	<b>467.5</b>	<b>60.1</b>	<b>66.1</b>	<b>1446.7</b>	<b>2040.4</b>	<b>0</b>	<b>142.9</b>	<b>68.6</b>	<b>1828.9</b>
of which grazing	(%)	8.2	74.3	66.8	65.0	52.3	:	80.5	79.8	49.1
<b>Grazing livestock</b>	<b>(1000 heads)</b>									
<b>Equidae</b>		<b>7.8</b>	<b>5.9</b>	<b>3.5</b>	<b>7.2</b>	<b>24.4</b>	<b>0</b>	<b>17.3</b>	<b>3.0</b>	<b>4.1</b>
<b>Bovine animals</b>		<b>44.1</b>	<b>53.2</b>	<b>55.5</b>	<b>1262.1</b>	<b>1414.8</b>	<b>0</b>	<b>133.4</b>	<b>70.1</b>	<b>1211.2</b>
Under 1 year		17.2	15.7	15.5	334.3	382.7	0	39.9	18.7	324.2
From 1 to less than 2 years		12.0	13.4	12.6	314.2	352.3	0	34.2	14.4	303.6
Dairy cows		6.5	8.0	9.4	392.2	416.2	0	18.5	11.4	386.2
Other cows		5.3	11.5	12.4	124.9	154.1	0	29.4	18.9	105.8
Other bovine animals 2 years and older		3.1	4.5	5.5	96.5	109.6	0	11.4	6.8	91.4
<b>Sheep</b>		<b>28.9</b>	<b>28.7</b>	<b>19.7</b>	<b>64.8</b>	<b>142.1</b>	<b>0</b>	<b>83.9</b>	<b>22.7</b>	<b>35.5</b>
<b>Goats</b>		<b>4.7</b>	<b>2.3</b>	<b>2.4</b>	<b>4.0</b>	<b>13.4</b>	<b>0</b>	<b>9.8</b>	<b>2.2</b>	<b>1.3</b>
<b>Granivores</b>										
<b>Pigs (1000 heads)</b>	<b>(1000 heads)</b>	<b>960.7</b>	<b>47.5</b>	<b>64.1</b>	<b>1797.6</b>	<b>2869.8</b>	<b>0</b>	<b>89.4</b>	<b>45.3</b>	<b>2735.1</b>
Piglets < 20 kg		297.4	10.8	18.9	585.4	912.5	0	22.0	11.6	878.9
Breeding sows		94.9	3.8	6.9	195.6	301.3	0	8.3	4.7	288.2
Other pigs		568.3	32.8	38.4	1016.5	1656.1	0	59.1	29.0	1568.0
<b>Poultry (million heads)</b>		<b>19.1</b>	<b>0.4</b>	<b>0.6</b>	<b>9.2</b>	<b>29.2</b>	<b>0</b>	<b>0.3</b>	<b>0.2</b>	<b>28.7</b>
Broilers		11.4	0.3	0.3	6.9	18.9	0	0	0.1	18.8
Laying hens		6.7	0	0.2	1.8	8.8	0	0.2	0	8.5
Other poultry		1.0	0	0	0.5	1.5	0	0.1	0	1.4
<b>Rabbits, breeding females</b>	<b>(1000 heads)</b>	<b>19.0</b>	<b>1.8</b>	<b>0.5</b>	<b>0.8</b>	<b>22.2</b>	<b>0</b>	<b>19.3</b>	<b>2.7</b>	<b>0.2</b>
<b>Beehives</b>	<b>(1000)</b>	<b>15.6</b>	<b>2.4</b>	<b>0.9</b>	<b>1.0</b>	<b>19.9</b>	<b>6.6</b>	<b>12.6</b>	<b>0.1</b>	<b>0.5</b>
<b>Average size of herds*</b>	<b>(head/holding)</b>									
Equidae	(head/holding)	4.7	7.8	8.8	13.2	7.3	:	5.9	15.6	17.0
Cattle	(head/holding)	8.3	20.9	40.8	456.0	118.0	:	14.4	86.0	646.0
Dairy cows	(head/holding)	2.7	9.4	19.6	256.9	79.2	:	5.1	38.1	295.3
Other cows	(head/holding)	3.9	9.4	18.0	85.4	32.5	:	8.7	39.8	120.0
Sheep	(head/holding)	20.3	48.2	61.8	130.1	50.2	:	34.9	132.5	138.0
Goats	(head/holding)	4.8	11.7	19.4	27.8	9.3	:	7.4	44.6	20.8
Pigs	(head/holding)	189.2	36.4	102.0	1287.7	341.5	:	12.8	140.1	2475.2
Breeding sows	(head/holding)	101.6	6.6	22.3	198.2	107.1	:	4.7	23.0	340.6
Other pigs > 20 kg	(head/holding)	118.1	27.1	64.6	741.5	207.3	:	9.0	93.4	1426.8
Rabbits, breeding females	(head/holding)	8.0	5.2	4.5	11.7	7.7	:	6.8	59.9	11.3
Laying hens	(1000/holding)	1.0	0	0.4	5.5	1.0	:	0	0.2	61.5
Broilers	(1000/holding)	38.6	8.9	13.0	64.9	41.0	:	0.2	7.4	91.9
Beehives	(hive/holding)	23.0	13.9	15.7	17.7	20.6	64.2	15.3	6.9	30.9

\*LSU = Livestock unit

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular Labour force	(1000 pers)	191.9	27.6	164.3	14.4	85.6
Regular labour force	(1000 AWU)	134.0	8.7	125.2	6.5	93.5
Holders with...	(1000)	36.5	13.4	23.1	36.7	63.3
... at least 65 years		6.8	3.3	3.5	48.7	51.3
... another gainful activity		16.7	7.6	9.1	45.5	54.5
<b>Number of sole holdings</b>	<b>(1000)</b>	<b>39.4</b>	<b>13.5</b>	<b>25.9</b>	<b>34.2</b>	<b>65.8</b>
... producing mainly for own consumption		12.2	7.4	4.8	60.6	39.4
... producing mainly for direct sales		6.6	1.2	5.4	18.3	81.7
SGM	(1000 ESU)	1623.7	6.9	1616.8	0.4	99.6
<b>Agricultural area</b>	<b>(1000 ha)</b>	<b>3518.1</b>	<b>28.4</b>	<b>3489.7</b>	<b>0.8</b>	<b>99.2</b>
... own farmed		586.6	22.9	563.7	3.9	96.1
<b>Livestock</b>	<b>(1000 LSU)</b>	<b>2052.8</b>	<b>12.4</b>	<b>2040.4</b>	<b>0.6</b>	<b>99.4</b>

\*LSU = Livestock Unit

### ► METHODOLOGICAL NOTES

The 2007 survey on the structure of agricultural holdings in the Czech Republic was carried out with the 30 September 2007 as reference day. The reference period for labour force covers the preceding 12 months. This survey is the third of a series of sample FSS carried out in the Czech Republic, the others were held in 2003 and 2005, after the "Agrocensus 2000", which subsequently served as the basis for the Farm Register. In the Czech Republic an agricultural holding, follows the European Union's (EU) definition with some additional thresholds. In some specific municipalities the Standard Gross Margin (SGM) has to be at least 600 000 Czech Crowns (CZK), about 22 000 Euro. In the other municipalities they must meet one of the following conditions: 1ha under UAA, 1500 m2 under intensive crops, 1000 m2 under vineyard, 300 m2 under greenhouses, 1 cattle, 2 pigs, 4 sheep or goats, 50 poultry, 100 rabbits or fur animals.

The target population was all holdings included in the farm register and the newly established ones taken from the Business Register or from the Land Parcel Identification System (LPIS).

The FSS used a combination of exhaustive and stratified sample. The sampling was exhaustive in units with a legal personality and all of the ones held by natural persons and which SGM reaches 600 000 CZK (7916 holdings).

The other farms were sampled using strata defined by agricultural production areas (defined in the Czech Republic by geographical indicators, mainly altitude and natural conditions) and the administrative divisions called the basic territorial units (ZUJ) that are identical with municipalities with the exception of some towns where ZUJ include city districts. These basic territorial units were randomly sampled in each stratum until the sample-weight reached 70% of the total agricultural SGM of the strata. A total of 4 514 basic territorial units (including 30 571 holdings) from a total of 6 382 were integrated in the sample. The whole sample, including the new

units taken from administrative sources, consisted of 49 710 agriculture holdings.

The response rate for the surveys was 61%. The over-coverage error was 39 %, mainly related with holdings that have suspended their agriculture activity or with units that were not engaged in agricultural activities but were registered in the Business Register or the LPIS.

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 the Czech Republic it covers around 18 400 ha, being 88% in farms 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 the Czech Republic it is 1800 hours (225 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

Farm Structure Survey Results 2007, Website of the Czech Statistical Office: <http://www.czso.cz/>

National Methodological Report – FSS 2007 of the Czech Republic (available for request).

## Further information

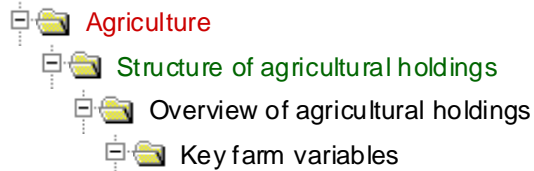
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