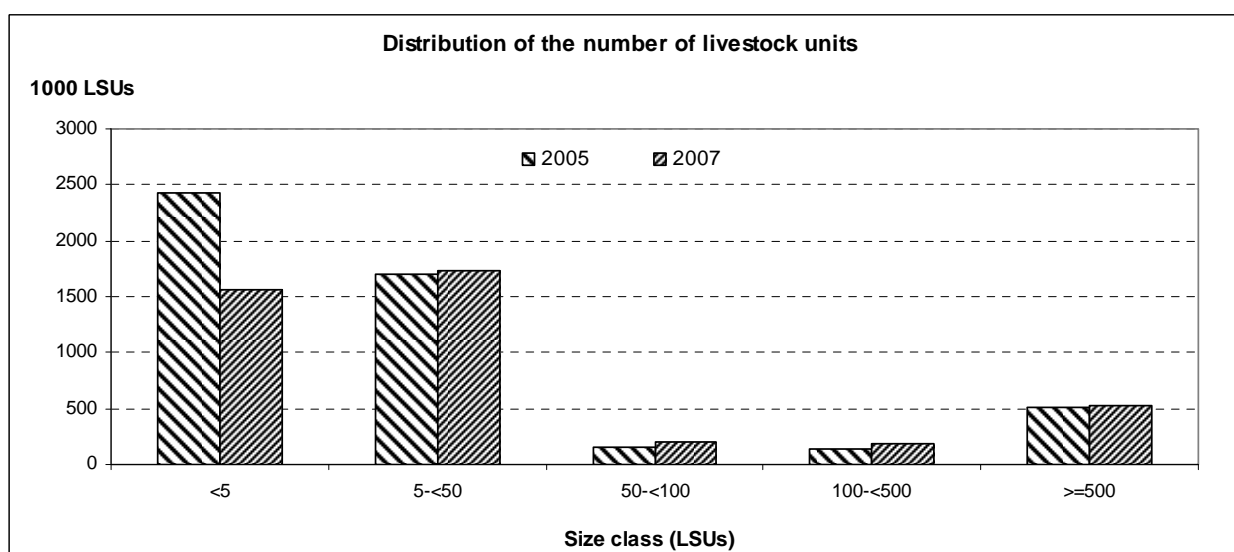
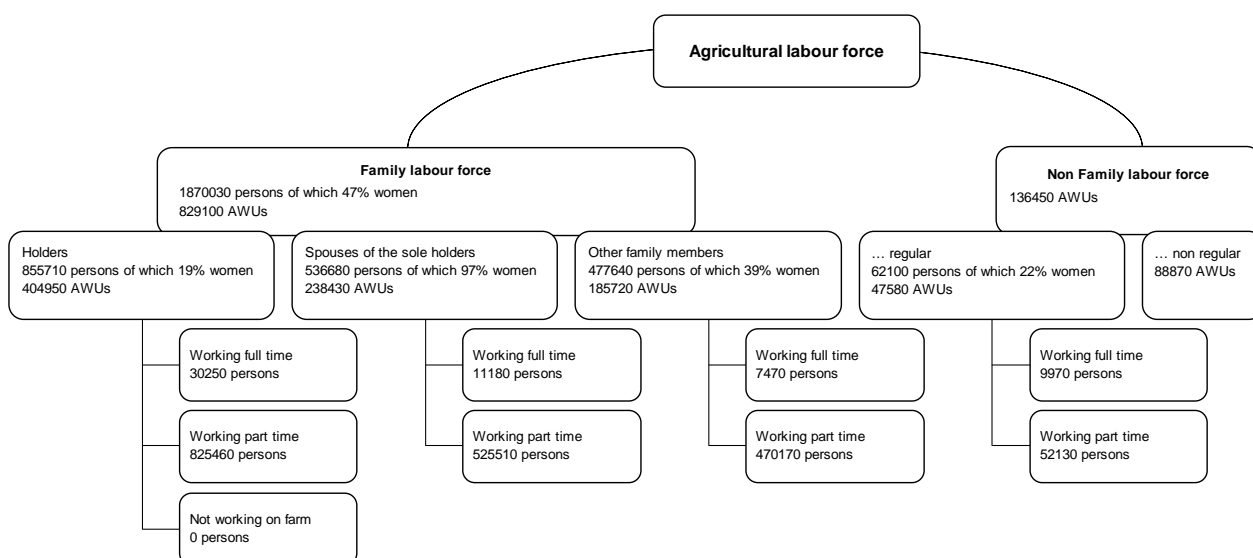


Description of the labour force in Romania



*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	
Total labour force										
1000 annual work units	874.0	27.0	11.6	52.9	965.5	57.9	879.2	9.4	19.0	
Family labour force										
1000 persons	1822.5	33.8	8.0	5.8	1870.0	46.3	1814.3	7.6	1.7	
1000 annual work units	802.0	18.8	4.7	3.7	829.1	14.6	808.1	5.1	1.3	
Non-family labour regularly employed										
1000 persons	11.0	3.1	4.3	43.7	62.1	36.6	6.4	1.7	17.4	
1000 annual work units	7.8	2.2	3.3	34.3	47.6	26.7	4.7	1.5	14.7	
Non regular non family labour force										
1000 annual work units	64.2	6.0	3.6	15.0	88.9	16.6	66.3	2.9	3.1	
Holding managers	1000	837.9	14.9	4.5	9.4	866.7	40.2	822.3	3.0	1.2
- women	(%)	19.0	9.7	7.4	10.2	18.7	23.5	18.5	5.1	7.3
- part-time:										
- under 50 %	(%)	59.8	39.7	38.7	41.3	59.1	76.2	58.5	22.3	17.4
- 50 % and over	(%)	36.9	49.2	48.7	44.6	37.2	20.9	37.9	55.7	56.5
Sole/main holders	1000	835.9	14.0	3.4	2.4	855.7	31.2	821.1	2.8	0.7
- women	(%)	19.4	9.7	6.4	9.6	19.2	27.6	19.0	4.3	6.2
-distribution by age	(%)									
- under 35 years		2.9	4.5	7.9	6.3	2.9	6.4	2.8	6.7	8.3
- from 35 to 44 years		10.3	16.1	23.0	28.4	10.5	13.5	10.3	26.1	29.3
- from 45 to 54 years		15.1	23.9	28.0	28.0	15.4	23.4	15.0	30.8	31.9
- from 55 to 64 years		25.3	28.3	21.8	27.4	25.4	22.5	25.5	24.8	21.0
- 65 years and over		46.4	27.3	19.3	10.0	45.9	34.2	46.5	11.7	9.4
- part-time:										
- under 50 %	(%)	59.9	42.1	50.8	162.3	59.9	98.4	58.5	24.2	31.3
- 50 % and over	(%)	36.9	52.3	63.9	175.5	37.7	26.9	38.0	60.2	102.0
- with another gainful activity ¹	(%)	28.8	32.7	26.9	8.0	28.6	35.7	28.3	20.5	17.5
- as a main occupation		17.3	19.5	18.3	5.1	17.3	26.3	16.8	14.7	12.0
- as a subsidiary occupation		11.4	13.2	8.6	2.9	11.4	9.4	11.5	5.8	5.5
Spouse of sole holder	1000	523.4	9.6	2.3	1.5	536.7	8.1	526.1	2.0	0.4
- women	(%)	97.0	98.0	98.2	97.8	97.0	92.5	97.1	98.8	96.8
-distribution by age	(%)									
- under 35 years		7.7	13.2	14.4	15.2	7.9	13.6	7.8	16.1	19.2
- from 35 to 54 years		35.6	45.6	53.6	60.7	35.9	45.8	35.7	59.0	65.8
- 55 years and over		56.7	41.2	32.0	24.1	56.2	40.6	56.6	24.9	15.0
- part-time:										
- under 50 %	(%)	67.3	56.4	53.0	49.6	67.0	81.0	67.0	31.9	31.6
- 50 % and over	(%)	30.7	37.7	40.2	41.9	30.9	18.5	31.0	55.4	53.1
- with another gainful activity	(%)	23.1	32.1	31.8	34.2	23.3	38.4	23.1	21.8	27.0
Other members of the holder's family working on the holding	1000	463.3	10.2	2.3	1.9	477.6	7.1	467.1	2.8	0.6
- women	(%)	39.6	33.1	30.6	32.7	39.4	35.8	39.5	27.7	27.1
- part-time:										
- under 50 %	(%)	76.0	57.9	51.1	44.6	75.4	76.4	75.6	49.0	34.8
- 50 % and over	(%)	22.5	36.6	41.3	44.0	23.0	23.1	22.9	41.3	49.1
- with another gainful activity	(%)	47.6	38.8	31.6	26.2	47.2	53.0	47.3	30.5	22.6

*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)				
	<20	20-<50	50-<100	>=100		0	>0-<50	50-<100	>=100	
Holdings										
- total number	1000	837.9	14.9	4.5	9.4	866.7	40.2	822.3	3.0	1.2
- by legal personality of the holder	(%)									
- sole holder		99.8	94.2	76.2	25.4	98.7	77.5	99.9	92.5	55.5
- legal person		0.2	5.8	23.8	74.6	1.3	22.5	0.1	7.5	44.5
- group holders		0	0	0	0	0	0	0	0	0
- by employed labour force	(%)									
- under 1 AWU		54.7	30.2	26.6	30.4	53.9	72.7	53.2	9.9	5.9
- from 1 to less than 2 AWU		37.8	35.9	28.4	15.6	37.5	15.1	38.7	20.8	9.8
- from 2 to less than 3 AWU		6.2	22.0	20.2	12.6	6.7	4.0	6.7	26.6	11.2
- 3 AWU and over		1.3	11.9	24.8	41.4	2.0	8.1	1.5	42.7	73.1
- by economic size	(%)									
- from 1 to less than 8 ESU		99.0	73.9	29.5	8.0	97.2	79.8	98.5	12.9	1.3
- from 8 to less than 16 ESU		0.8	19.9	47.7	10.7	1.5	5.1	1.1	53.0	8.9
- from 16 to less than 40 ESU		0.1	5.7	18.5	36.9	0.7	6.8	0.3	29.5	38.8
- from 40 to less than 100 ESU		0	0.5	4.0	27.4	0.3	5.2	0.1	2.8	25.2
- 100 ESU and over		0	0.1	0.4	16.9	0.2	3.1	0	1.8	25.8
- by type of farming (top 5 + 'other')	(%)									
... mixed livestock, mainly grazing livestock		22.0	7.2	4.6	0.7	21.5	0.2	22.6	5.2	3.1
... mixed cropping		21.4	11.1	4.9	1.1	21.0	7.0	21.7	1.1	0.9
... field crops – grazing livestock combined		12.4	10.4	7.6	3.8	12.3	2.0	12.8	6.4	12.4
... general field cropping		10.5	11.9	10.8	7.7	10.5	27.8	9.7	1.0	1.5
... various crops and livestock combined		7.4	1.6	0.7	0.3	7.1	5.3	7.3	0.6	1.1
Other types of farming		26.3	57.8	71.4	86.4	27.7	57.6	26.0	85.7	81.0
- by farming methods	(%)									
- organic farming		0.1	0.2	0.3	0.5	0.1	0.1	0.1	0.6	0.4
- irrigating		2.1	2.3	2.8	4.7	2.2	3.5	2.1	1.4	5.6
- with crops under glass		1.8	0.6	0.5	0.4	1.8	3.4	1.7	0.3	0.3
- with another gainful activity than agricultural production:	(%)									
Tourism		0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2
Handicraft		0.1	0	0.2	0.1	0.1	0.1	0.1	0	0
Processing of farm products		41.0	68.1	56.6	21.1	41.4	24.6	42.0	89.6	62.8
Wood processing		0.3	0.3	0.4	0.1	0.3	0.1	0.3	0.1	0.5
Aquaculture		0	0	0.1	0	0	0	0	0.1	0.1
Renewable energy production		0	0.1	0	0.1	0	0	0	0	0.1
Contractual work		1.7	4.4	6.1	6.1	1.8	1.4	1.8	3.6	6.0
Other gainful activities n.a.e		2.1	3.9	4.6	4.0	2.2	2.3	2.2	5.6	9.6

*LSU = Livestock unit

Source: Eurostat ([ef_ov_kvaaesu](#))

Romania – 2007

Table 3 – Land use by size of the farms

":" 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	
Area	(1000 ha)									
Total area of agricultural holdings	4005.6	475.3	328.4	5660.5	10469.8	4931.0	4871.3	210.7	456.8	
· H. Other area	235.0	29.3	16.1	691.2	971.7	730.8	227.6	1.5	11.7	
Wooded area	128.6	24.2	14.3	656.7	823.8	695.8	122.4	0.2	5.3	
· Agricultural area	3770.5	446.0	312.3	4969.3	9498.1	4200.2	4643.7	209.1	445.1	
- D. Arable land	2654.0	311.0	216.5	2882.6	6064.1	2209.8	3330.7	146.5	377.1	
Cereals	1681.2	158.2	113.5	1627.1	3579.9	1284.6	2027.1	70.8	197.4	
<i>Common wheat and spelt</i>	507.4	58.1	50.7	956.0	1572.2	756.9	674.9	30.2	110.2	
<i>Durum wheat</i>	0.2	0.1	0	1.6	2.0	1.4	0.4	0	0.1	
<i>Rye</i>	7.8	0.5	0.3	1.6	10.1	1.2	8.1	0.2	0.5	
<i>Barley</i>	101.1	23.1	12.9	188.0	325.2	139.2	153.3	10.7	22.1	
<i>Oats</i>	109.7	11.4	3.8	20.2	145.2	12.1	125.0	4.4	3.7	
<i>Grain maize</i>	941.7	62.6	44.1	440.8	1489.1	361.1	1046.9	24.6	56.5	
Dried pulses	14.9	1.8	0.9	16.7	34.4	10.8	19.4	0.6	3.7	
Root crops	150.7	9.2	5.5	32.3	197.6	36.0	154.5	3.4	3.7	
<i>Potatoes</i>	135.4	7.0	3.8	16.4	162.6	23.7	135.9	2.0	1.1	
<i>Sugar beet</i>	8.2	1.7	1.6	14.7	26.2	11.3	11.1	1.4	2.4	
<i>Fodder root</i>	7.0	0.5	0.1	1.1	8.8	1.0	7.6	0.1	0.2	
Industrial crops	227.3	58.9	50.7	898.4	1235.4	673.6	442.4	28.7	90.6	
<i>Tobacco</i>	0.3	0.5	0.1	0.6	1.6	0.7	0.9	0	0	
<i>Hops</i>	0	0	0	0.5	0.5	0.4	0	0	0	
<i>Cotton</i>	0	0	0	0	0	0	0	0	0	
<i>Rape and turnip</i>	7.5	13.9	7.9	313.3	342.7	230.2	62.3	9.0	41.3	
<i>Sunflower</i>	211.6	40.0	38.0	450.2	739.8	353.1	344.0	14.1	28.6	
<i>Soya</i>	7.1	3.9	4.1	115.7	130.8	76.5	30.6	4.1	19.5	
Fresh vegetables, melons, strawberry	115.3	6.9	3.6	14.0	139.8	21.1	117.8	0.5	0.3	
<i>outside</i>	112.7	6.7	3.5	13.9	136.8	20.4	115.6	0.5	0.3	
<i>under glass</i>	2.5	0.2	0.1	0.1	2.9	0.7	2.2	0	0	
Flower and ornamental plants	0.4	0.1	0.1	0.1	0.6	0.4	0.2	0	0	
<i>outside</i>	0.2	0.1	0	0	0.3	0.2	0.1	0	0	
<i>under glass</i>	0.2	0	0	0	0.3	0.2	0.1	0	0	
Forage plants	338.3	51.0	28.4	150.9	568.6	80.3	407.8	26.5	54.0	
Fallow land	117.4	20.6	12.5	134.5	285.0	99.0	145.1	15.8	25.2	
- E. Kitchen garden	46.0	0.9	0.2	0.1	47.3	1.3	45.8	0.2	0	
- F. Permanent pasture and meadows	919.4	121.8	86.7	2027.3	3155.1	1909.9	1120.4	60.6	64.2	
- G. Permanent crops	151.1	12.3	8.9	59.2	231.6	79.2	146.7	1.8	3.8	
Fruit and berry plantation	85.6	7.0	5.3	23.6	121.5	37.8	79.2	1.3	3.3	
Citrus plantation	0	0	0	0	0	0	0	0	0	
Olive trees	0	0	0	0	0	0	0	0	0	
Vineyard	63.0	4.3	2.9	29.7	99.8	36.1	62.9	0.3	0.5	
Ratios										
Agricultural area per holding	(ha)	4.5	30.0	69.3	530.8	11.0	104.4	5.6	70.0	373.4
Agricultural area...	(%)									
... own farmed		89.6	60.9	41.5	45.6	63.7	55.0	77.4	25.9	19.5
... in less favoured or mountain area		29.3	24.8	21.2	31.1	29.7	32.1	27.7	29.1	29.0
... organic farmed		0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.5	0.4
... irrigated		0.6	0.7	1.0	2.8	1.8	2.0	0.9	1.0	9.3

*LSU = Livestock unit

Source: Eurostat ([ef_ov_lusum](#))

Romania – 2007

Table 4 – Livestock by size of the farm

":" 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
Total livestock (1000 LSU)	3501.4	196.4	128.2	370.9	4197.0	0	3286.5	197.5	713.0
of which grazing (%)	71.9	79.8	58.3	45.9	69.5	:	77.3	92.8	27.4
Grazing livestock (1000 heads)									
Equidae	502.2	12.9	3.7	12.8	531.7	0	500.9	15.1	15.7
Bovine animals	1814.5	94.5	44.5	125.9	2079.5	0	1859.0	81.8	138.8
Under 1 year	465.0	25.2	11.7	33.6	535.5	0	476.1	19.5	40.0
From 1 to less than 2 years	190.8	13.6	7.2	21.5	233.1	0	197.2	12.6	23.3
Dairy cows	1002.5	46.4	20.4	53.1	1122.4	0	1029.1	38.7	54.6
Other cows	27.6	1.1	0.6	3.7	33.0	0	26.0	2.9	4.1
Other bovine animals 2 years and older	128.6	8.2	4.7	14.0	155.6	0	130.6	8.1	16.9
Sheep	6024.1	682.6	351.8	602.1	7660.6	0	5891.0	1018.6	751.0
Goats	558.4	42.2	20.5	32.5	653.6	0	577.2	47.4	29.1
Granivores									
Pigs (1000 heads)	2086.1	120.0	145.9	705.5	3057.5	0	1767.1	39.3	1251.1
Piglets < 20 kg	560.4	29.4	31.3	197.6	818.7	0	515.7	9.4	293.6
Breeding sows	259.6	15.9	30.2	95.7	401.4	0	225.6	7.2	168.7
Other pigs	1266.1	74.7	84.4	412.1	1837.3	0	1025.8	22.7	788.8
Poultry (million heads)	37.3	0.6	1.2	1.9	40.9	0	20.1	0.2	20.6
Broilers	18.3	0.2	0.6	0.5	19.6	0	5.3	0.1	14.2
Laying hens	14.9	0.3	0.5	1.4	17.1	0	10.7	0.1	6.3
Other poultry	4.0	0.1	0	0	4.2	0	4.1	0	0
Rabbits, breeding females (1000 heads)	115.0	2.6	0.6	0.3	118.6	0	117.2	1.3	0.1
Beehives (1000)	824.6	12.7	3.1	1.8	842.2	169.6	670.3	1.5	0.8
Average size of herds* (head/holding)									
Equidae (head/holding)	1.7	2.6	3.0	11.1	1.8	:	1.7	8.4	27.1
Cattle (head/holding)	3.1	10.8	22.0	71.3	3.5	:	3.1	37.4	173.8
Dairy cows (head/holding)	1.8	5.5	10.8	32.5	1.9	:	1.8	18.5	72.5
Other cows (head/holding)	2.4	5.4	6.7	35.5	2.7	:	2.2	24.1	46.9
Sheep (head/holding)	27.0	114.7	218.2	429.2	33.0	:	25.7	454.5	1120.9
Goats (head/holding)	7.0	22.0	39.5	78.3	7.9	:	7.0	62.5	132.3
Pigs (head/holding)	3.4	12.0	62.1	382.6	4.9	:	2.8	16.7	1848.0
Breeding sows (head/holding)	2.0	4.0	27.9	98.4	3.0	:	1.7	5.2	338.1
Other pigs > 20 kg (head/holding)	3.1	11.1	49.2	313.4	4.4	:	2.4	13.6	1452.6
Rabbits, breeding females (head/holding)	7.7	7.7	9.5	8.6	7.7	:	7.6	18.3	11.8
Laying hens (1000/holding)	0	0	0.2	0.8	0	:	0	0	11.5
Broilers (1000/holding)	0	0	0.4	0.4	0	:	0	0.1	34.2
Beehives (hive/holding)	34.1	20.0	28.7	21.5	33.7	76.0	29.6	20.0	52.3

*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)	6467.6	4535.4	1932.1	70.1	29.9
Regular labour force	(1000 AWU)	2044.0	1167.3	876.7	57.1	42.9
Holders with...	(1000)	3913.7	3057.9	855.7	78.1	21.9
... at least 65 years		1761.8	1369.1	392.7	77.7	22.3
... another gainful activity		1404.4	1156.4	248.0	82.3	17.7
Number of sole holdings	(1000)	3931.4	3064.7	866.7	78.0	22.0
... producing mainly for own consumption		3172.3	2621.9	550.4	82.6	17.4
... producing mainly for direct sales		723.6	423.3	300.3	58.5	41.5
SGM	(1000 ESU)	3789.7	1190.9	2598.8	31.4	68.6
Agricultural area	(1000 ha)	13753.0	4254.9	9498.1	30.9	69.1
... own farmed		10071.4	4024.5	6046.9	40.0	60.0
Livestock	(1000 LSU*)	6041.7	1844.8	4197.0	30.5	69.5

*LSU = Livestock unit

➤ METHODOLOGICAL NOTES

The National Institute of Statistics, in collaboration with Academy of Agricultural and Forestry Sciences, the Ministry of Agriculture and Rural Development, the Ministry of Interior and Administrative Reform and the 42 county statistical offices implemented the survey on the structure of agricultural holdings in Romania. The FSS 2007 was the second sample survey after the General Agricultural Census in 2002 (GAC 2002). The reference period was the 2006/2007 crop year, in the case of the livestock data the reference date was 31 December and for the labour force queries the 2007 calendar year.

The target population was all the agricultural holdings (regardless of their size and production), which totalled 4.48 million holdings of which 4.46 were individual holdings and the remaining were legal units. No sampling thresholds were applied. These holdings were gathered in the Statistical Farm Register that was updated with statistical and administrative sources.

The legal units were surveyed exhaustively, and the individual holdings were sampled using the Neyman stratified random sampling method. The stratification included 42 counties, 11 ESU economic classes, 9 typology classes, and 7 classes of UAA. Altogether 354 742 holdings were chosen for the sample (a sampling rate of 8%).

The questionnaires were completed between 10 January and 10 February 2008 in a large statistical operation that involved 6 944 field operators in face to face interviews. The response rate was 96%.

For some cases of non-response, imputation was employed using data from another holding of the same stratum with a complete questionnaire.

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 Romania it covers close to 644 900 ha, 75% 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 Romania it is 1960 hours (245 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 Institutul Național de Statistică, Romania:

<http://www.insse.ro/cms/rw/pages/index.ro.do>

National Methodological Report – FSS 2007 (available on request)

Further information

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