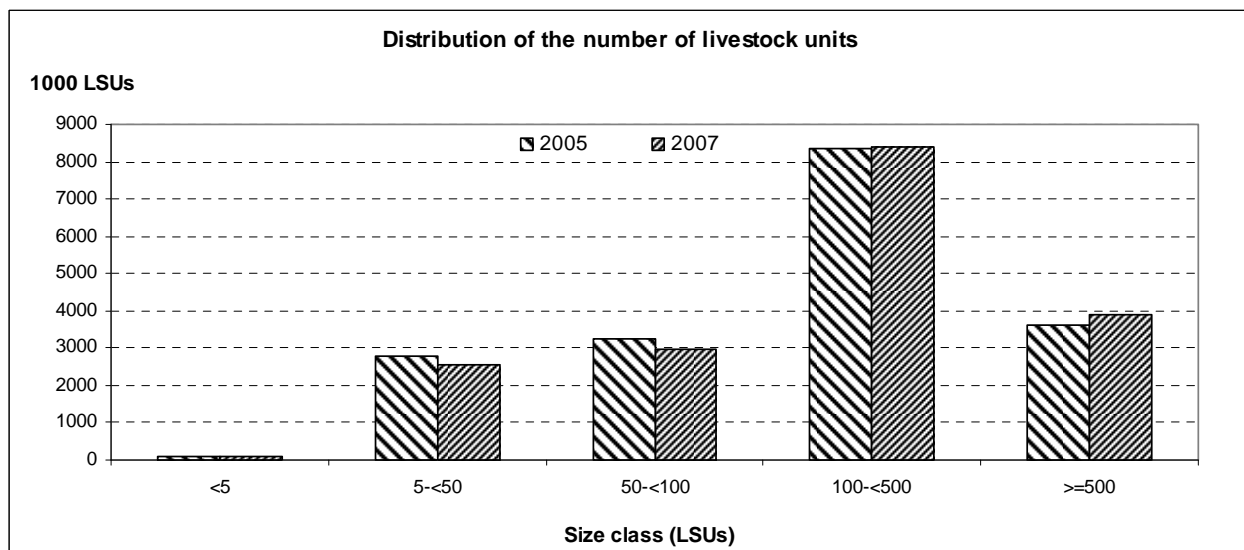
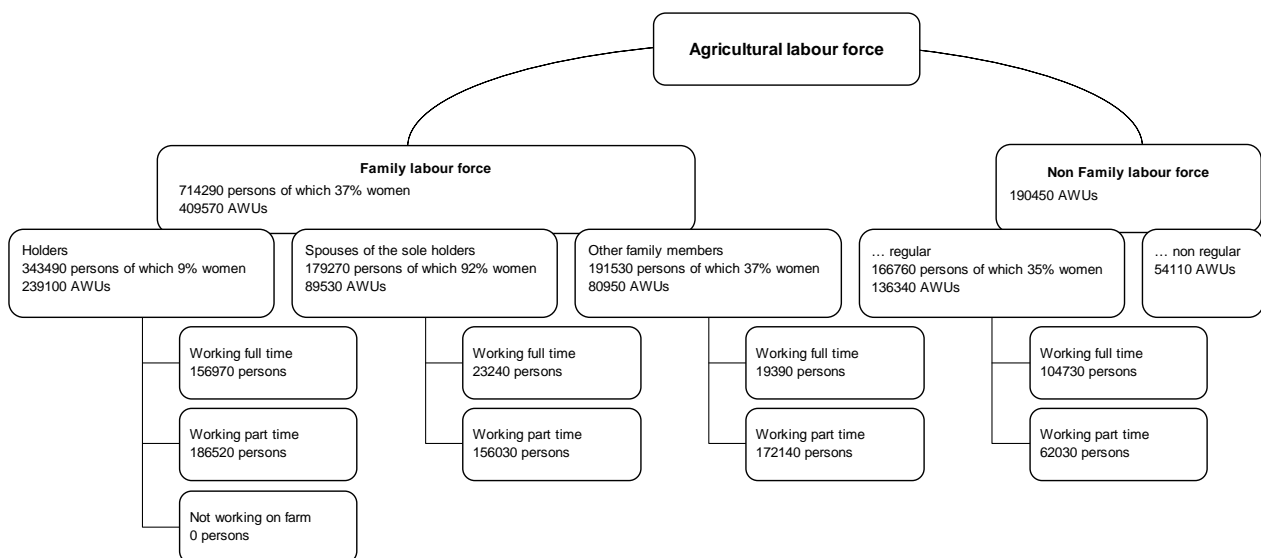


Description of the labour force in Germany



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	205.0	138.2	111.2	145.6	600.0	174.3	192.8	81.3	151.6	
Family labour force										
1000 persons	348.2	180.7	123.7	61.7	714.3	175.0	337.4	100.3	101.5	
1000 annual work units	157.9	117.3	88.1	46.3	409.6	87.8	173.6	73.0	75.1	
Non-family labour regularly employed										
1000 persons	45.6	15.4	18.6	87.1	166.8	57.5	18.2	9.6	81.5	
1000 annual work units	33.3	11.1	13.6	78.4	136.3	45.0	12.2	7.0	72.1	
Non regular non family labour force										
1000 annual work units	13.8	9.8	9.6	21.0	54.1	41.5	7.0	1.3	4.3	
Holding managers	1000	181.2	81.9	53.4	32.0	348.5	97.1	162.6	42.0	46.8
- women	(%)	11.8	6.5	4.0	4.8	8.7	9.9	10.4	4.9	3.8
- part-time:										
- under 50 %	(%)	51.4	15.2	5.6	4.2	31.6	45.6	38.4	4.5	3.0
- 50 % and over	(%)	26.6	24.9	11.4	7.2	22.1	18.6	31.1	12.3	6.6
Sole/main holders	1000	179.7	81.5	53.1	29.1	343.5	95.4	161.9	41.7	44.4
- women	(%)	12.2	6.9	4.5	4.8	9.1	10.4	10.9	5.2	3.7
-distribution by age	(%)									
- under 35 years		7.9	8.4	7.7	7.2	7.9	6.6	8.5	8.3	8.3
- from 35 to 44 years		27.2	29.0	31.7	32.2	28.8	27.0	28.0	30.5	33.5
- from 45 to 54 years		33.0	35.1	35.5	35.4	34.1	33.7	33.5	35.8	35.3
- from 55 to 64 years		22.6	23.3	22.2	21.0	22.6	23.3	22.7	22.4	20.5
- 65 years and over		9.4	4.3	2.9	4.2	6.7	9.4	7.3	3.0	2.4
- part-time:										
- under 50 %	(%)	51.9	15.3	5.6	4.6	32.0	46.4	38.6	4.5	3.1
- 50 % and over	(%)	26.8	25.0	11.4	7.9	22.4	18.9	31.3	12.4	6.9
- with another gainful activity ¹	(%)	64.0	37.4	16.3	8.9	45.4	51.5	59.6	17.5	8.3
- as a main occupation		59.4	29.7	10.3	4.5	39.9	46.4	53.6	11.1	4.5
- as a subsidiary occupation		4.5	7.8	6.0	4.5	5.5	5.2	6.0	6.4	3.8
Spouse of sole holder	1000	84.2	47.0	32.9	15.2	179.3	42.6	82.8	27.1	26.8
- women	(%)	88.3	93.9	95.9	95.4	91.8	89.7	90.1	95.5	96.5
-distribution by age	(%)									
- under 35 years		6.7	7.7	9.4	8.5	7.6	5.9	7.1	9.2	10.2
- from 35 to 54 years		67.4	72.4	74.9	76.0	70.8	66.4	70.3	74.2	76.4
- 55 years and over		25.9	19.9	15.6	15.5	21.6	27.8	22.6	16.6	13.4
- part-time:										
- under 50 %	(%)	66.4	40.5	36.4	38.7	51.7	64.6	58.0	27.1	36.8
- 50 % and over	(%)	25.6	43.4	46.1	40.9	35.3	24.1	32.4	51.9	45.4
- with another gainful activity	(%)	37.9	25.3	20.0	18.9	29.7	34.0	35.8	16.9	16.8
Other members of the holder's family working on the holding	1000	84.2	52.2	37.8	17.4	191.5	36.9	92.6	31.6	30.4
- women	(%)	38.3	38.2	35.1	31.9	37.1	35.9	38.2	38.2	33.9
- part-time:										
- under 50 %	(%)	74.9	59.8	53.2	48.4	64.1	70.3	70.6	52.0	49.3
- 50 % and over	(%)	20.2	30.4	30.8	28.2	25.8	20.1	24.1	33.4	29.9
- with another gainful activity	(%)	23.6	17.4	12.4	9.0	18.4	20.3	22.4	13.9	8.2

*LSU = Livestock unit

¹ Only holders who are also farm managers

"." not available

"0" less than a 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
Holdings										
- total number	1000	181.2	81.9	53.4	32.0	348.5	97.1	162.6	42.0	46.8
- by legal personality of the holder	(%)									
- sole holder		96.4	96.2	90.9	71.4	93.2	91.8	97.7	94.0	79.7
- legal person		0.8	0.5	0.5	8.9	1.4	1.7	0.4	0.5	5.2
- group holders		2.8	3.3	8.6	19.7	5.3	6.4	1.8	5.5	15.1
- by employed labour force	(%)									
- under 1 AWU		56.1	18.6	6.3	3.0	34.8	49.8	42.9	4.5	2.4
- from 1 to less than 2 AWU		31.0	53.1	48.3	29.6	38.7	27.2	42.4	50.7	39.1
- from 2 to less than 3 AWU		7.9	22.0	33.7	31.4	17.3	10.3	11.9	35.1	34.8
- 3 AWU and over		5.0	6.3	11.8	36.0	9.2	12.7	2.8	9.7	23.7
- by economic size	(%)									
- from 1 to less than 8 ESU		61.8	6.1	0.2	0	33.6	42.1	46.9	0	0
- from 8 to less than 16 ESU		16.0	16.8	2.4	0.3	12.7	14.3	18.3	1.5	0
- from 16 to less than 40 ESU		14.2	39.3	16.4	4.2	19.5	16.5	26.5	19.4	1.8
- from 40 to less than 100 ESU		5.2	33.0	56.0	26.0	21.4	14.6	6.7	74.3	39.5
- 100 ESU and over		2.7	4.6	24.9	69.6	12.7	12.6	1.6	4.8	58.7
- by type of farming (top 5 + 'other')	(%)									
... specialist dairy farming		10.8	34.9	35.8	21.9	21.3	0	21.0	55.8	35.8
... specialist cereals, oil seed and protein crops		14.9	11.0	8.8	20.4	13.6	27.6	11.9	1.2	1.3
... sheep, goats and other grazing livestock		15.8	5.0	2.4	2.8	10.0	7.8	15.7	3.1	1.1
... general field cropping		7.5	10.0	11.9	18.5	9.7	20.1	7.6	2.2	2.6
... field crops – grazing livestock combined		7.1	8.4	9.7	14.1	8.4	3.0	12.2	9.5	5.6
Other types of farming		43.9	30.8	31.5	22.3	36.9	41.4	31.7	28.2	53.7
- by farming methods	(%)									
- organic farming		3.1	4.7	3.9	5.2	3.8	3.1	4.7	3.8	2.1
- irrigating		:	:	:	:	:	:	:	:	:
- with crops under glass		4.7	0.4	0.2	0.3	2.6	8.5	0.4	0.1	0.1
- with another gainful activity than agricultural production:	(%)									
Tourism		4.0	4.4	3.6	3.5	4.0	3.3	5.0	3.5	2.4
Handicraft		0.3	0.2	0.1	0.1	0.2	0.2	0.3	0.1	0.1
Processing of farm products		8.9	6.4	6.5	7.7	7.8	12.7	6.4	5.5	4.7
Wood processing		0.7	0.8	0.6	0.4	0.7	0.5	0.9	0.7	0.2
Aquaculture		0.4	0.4	0.3	0.2	0.3	0.3	0.4	0.4	0.1
Renewable energy production		3.4	8.3	10.9	11.9	6.5	4.7	5.2	10.1	11.5
Contractual work		1.9	6.3	8.1	10.3	4.7	3.7	3.8	9.1	5.7
Other gainful activities n.a.e		3.6	4.6	4.5	5.3	4.2	3.4	5.1	3.5	3.0

*LSU = Livestock unit

":" not available

"0" less than a 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	
Area	(1000 ha)									
Total area of agricultural holdings	2022.8	3160.5	4069.2	9309.5	18562.1	3993.3	4466.6	2751.1	7351.1	
· H. Other area	480.2	436.7	327.0	457.2	1701.1	406.3	679.4	247.9	367.5	
Wooded area	399.1	367.7	253.5	307.6	1327.9	325.9	575.5	199.9	226.6	
· Agricultural area	1542.6	2723.8	3742.3	8852.3	16860.9	3586.9	3787.2	2503.1	6983.6	
- D. Arable land	741.6	1618.4	2499.0	7022.5	11881.5	3195.4	2226.5	1416.8	5042.8	
Cereals	471.1	940.7	1385.8	3783.4	6581.0	1821.7	1345.8	749.6	2663.8	
<i>Common wheat and spelt</i>	156.3	362.4	583.4	1886.1	2988.2	1034.5	562.8	306.2	1084.7	
<i>Durum wheat</i>	0.3	0.4	1.4	5.4	7.5	4.4	1.3	0.3	1.6	
<i>Rye</i>	26.8	51.7	94.1	512.0	684.6	163.5	103.6	57.0	360.5	
<i>Barley</i>	179.3	335.3	443.3	967.4	1925.3	439.2	454.3	268.1	763.7	
<i>Oats</i>	36.2	48.6	42.2	69.8	196.9	30.6	85.5	35.1	45.6	
<i>Grain maize</i>	38.8	81.5	130.2	147.3	397.7	100.1	63.0	30.5	204.2	
Dried pulses	5.1	8.5	12.8	82.4	108.7	31.1	18.8	11.1	47.8	
Root crops	28.9	78.4	164.7	419.0	690.9	310.9	133.7	54.0	192.3	
<i>Potatoes</i>	14.2	29.1	71.2	162.0	276.5	105.6	51.8	23.4	95.7	
<i>Sugar beet</i>	13.3	47.6	91.3	253.2	405.3	202.9	78.8	29.3	94.4	
<i>Fodder root (including brassicas)</i>	1.4	1.7	2.2	3.8	9.1	2.5	3.1	1.3	2.2	
Industrial crops	54.2	126.1	230.9	1204.5	1615.7	548.4	246.8	133.1	687.3	
<i>Tobacco</i>	0.3	1.0	1.4	0.7	3.4	2.1	0.8	0.2	0.2	
<i>Hops</i>	4.4	8.9	3.1	1.3	17.7	9.4	5.6	1.4	1.3	
<i>Cotton</i>	0	0	0	0	0	0	0	0	0	
<i>Rape and turnip</i>	47.6	113.0	222.1	1166.9	1549.5	520.1	234.1	129.2	666.2	
<i>Sunflower</i>	0.5	0.7	1.0	16.5	18.8	5.2	2.2	0.9	10.5	
<i>Soya</i>	0	0	0	0	0	0	0	0	0	
Fresh vegetables, melons, strawberry	13.3	18.3	25.9	61.4	118.9	82.2	18.3	3.9	14.5	
<i>outside</i>	12.6	18.2	25.9	61.4	118.0	81.3	18.3	3.9	14.5	
<i>under glass</i>	0.8	0.1	0	0	0.9	0.8	0.1	0	0	
Flower and ornamental plants	6.9	1.1	0.5	0.8	9.2	8.1	0.7	0.2	0.2	
<i>outside</i>	4.5	0.9	0.5	0.7	6.7	5.7	0.7	0.2	0.2	
<i>under glass</i>	2.4	0.1	0	0	2.5	2.4	0.1	0	0	
Forage plants	130.9	367.4	550.9	1035.1	2084.3	184.3	341.9	398.7	1159.5	
Fallow land	30.5	76.9	124.9	411.4	643.7	201.0	116.2	65.0	261.5	
- E. Kitchen garden	1.7	0.8	0.9	0.7	4.1	1.1	1.7	0.4	0.8	
- F. Permanent pasture and meadows	698.3	1057.0	1220.5	1801.2	4776.9	221.4	1534.9	1084.0	1936.5	
- G. Permanent crops	101.0	47.5	21.9	28.0	198.5	169.0	24.1	1.9	3.4	
Fruit and berry plantation	25.5	18.5	6.5	13.6	64.1	52.3	9.0	1.0	1.8	
Citrus plantation	0	0	0	0	0	0	0	0	0	
Olive trees	0	0	0	0	0	0	0	0	0	
Vineyard	62.0	19.6	9.6	6.2	97.3	87.7	8.3	0.5	0.8	
Ratios										
Agricultural area per holding	(ha)	8.5	33.2	70.1	276.9	48.4	36.9	23.3	59.7	149.2
Agricultural area...	(%)									
... own farmed		66.5	54.1	40.8	24.3	36.7	37.4	49.7	40.5	27.8
... in less favoured or mountain area		58.6	53.9	51.7	45.3	49.3	27.0	55.6	59.1	53.9
... organic farmed		3.7	4.3	3.6	4.8	4.4	3.1	6.1	5.2	3.8
... irrigated		:	:	:	:	:	:	:	:	:

*LSU = Livestock unit

":" not available

"0" less than a 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
Total livestock (1000 LSU)	2517.8	3954.1	5621.2	5858.3	17951.4	0	2670.5	2978.6	12302.3
of which grazing (%)	42.1	59.3	52.5	57.9	54.3	:	84.7	82.7	40.8
Grazing livestock (1000 heads)									
Equidae	221.5	132.5	86.8	65.1	505.9	0	372.9	78.4	54.6
Bovine animals	1186.5	3079.0	3967.3	4434.8	12667.6	0	2636.1	3208.8	6822.7
Under 1 year	381.8	962.8	1262.9	1307.3	3914.8	0	786.2	953.2	2175.5
From 1 to less than 2 years	280.0	733.6	984.2	997.4	2995.2	0	640.9	736.8	1617.6
Dairy cows	285.1	990.6	1292.0	1508.6	4076.4	0	699.7	1121.5	2255.2
Other cows	147.0	149.6	132.4	312.5	741.4	0	302.8	137.6	300.9
Other bovine animals 2 years and older	92.7	242.4	295.8	308.9	939.8	0	206.6	259.7	473.5
Sheep	547.1	317.0	447.8	1067.4	2379.3	0	867.4	591.2	920.7
Goats	:	:	:	:	:	0	:	:	:
Granivores									
Pigs (1000 heads)	3154.1	6035.3	9544.8	8322.7	27057.0	0	1655.3	2195.3	23206.3
Piglets < 20 kg	1034.1	1961.2	2328.4	1835.6	7159.3	0	631.1	861.1	5667.1
Breeding sows	333.9	692.2	802.7	669.6	2498.3	0	185.4	281.2	2031.8
Other pigs	1786.1	3381.9	6413.7	5817.5	17399.3	0	838.9	1053.0	15507.5
Poultry (million heads)	60.0	16.1	23.3	26.3	125.7	0	3.2	2.7	119.8
Broilers	24.3	9.3	13.7	14.0	61.3	0	0.2	0.6	60.5
Laying hens	32.2	4.7	6.3	8.2	51.4	0	2.8	2.0	46.6
Other poultry	3.5	2.1	3.3	4.1	13.0	0	0.2	0.1	12.7
Rabbits, breeding females (1000 heads)	:	:	:	:	:	0	:	:	:
Beehives (1000)	:	:	:	:	:	0	:	:	:
Average size of herds* (head/holding)									
Equidae (head/holding)	7.2	9.5	8.9	10.4	8.3	:	8.1	11.1	7.0
Cattle (head/holding)	19.5	58.3	111.6	241.6	75.6	:	26.2	89.1	221.5
Dairy cows (head/holding)	11.6	26.8	48.0	118.6	40.3	:	14.9	37.2	94.1
Other cows (head/holding)	5.6	9.6	13.9	49.2	12.9	:	7.4	15.9	38.2
Sheep (head/holding)	39.8	76.5	144.8	423.4	101.2	:	47.4	232.0	348.5
Goats (head/holding)	:	:	:	:	:	:	:	:	:
Pigs (head/holding)	99.7	274.6	564.8	1003.2	343.3	:	39.0	181.3	956.7
Breeding sows (head/holding)	34.3	73.2	117.7	245.2	87.0	:	14.7	50.4	193.6
Other pigs > 20 kg (head/holding)	60.5	160.4	389.1	714.3	231.3	:	21.2	90.7	645.9
Rabbits, breeding females (head/holding)	:	:	:	:	:	:	:	:	:
Laying hens (1000/holding)	0.8	0.3	0.8	2.6	0.7	:	0	0.2	9.0
Broilers (1000/holding)	4.9	5.6	13.1	21.4	7.3	:	0	0.8	44.2
Beehives (hive/holding)	:	:	:	:	:	:	:	:	:

*LSU = Livestock unit

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular Labour force	(1000 pers)	915.1	34.1	881.0	3.7	96.3
Regular labour force	(1000 AWU)	555.1	9.2	545.9	1.7	98.3
Holders with...	(1000)	365.3	21.8	343.5	6.0	94.0
... at least 65 years		27.3	4.3	23.0	15.7	84.3
... another gainful activity		173.3	15.2	158.1	8.8	91.2
Number of sole holdings	(1000)	370.5	22.0	348.5	5.9	94.1
... producing mainly for own consumption		0.0	0.0	0.0	:	:
... producing mainly for direct sales		:	:	:	:	:
SGM	(1000 ESU)	18328.6	15.4	18313.2	0.1	99.9
Agricultural area	(1000 ha)	16931.9	71.0	16860.9	0.4	99.6
... own farmed		6232.6	52.4	6180.2	0.8	99.2
Livestock	(1000 LSU*)	17985.2	33.8	17951.4	0.2	99.8

*LSU = Livestock unit

➤ METHODOLOGICAL NOTES

The 2007 FSS was a decentralized statistical operation carried out in the Federal Republic of Germany by the Federal Statistical Office in collaboration with the Land Statistical offices. The survey was organized using a combination of exhaustive survey (for the land, livestock, labour force and their other gainful activities and profit accounting and tax) and sample survey (for tenure, sources of income from outside the holding, production and use of animal origin fertilizers, more detailed information on the labour force, other non-agricultural gainful activities related to the holding). The only the full records were transmitted to Eurostat.

The reference period for land use, labour force and other gainful activities was the period between May 2006 and April 2007, for livestock characteristics it was the 3rd of May 2007. The threshold for including an agricultural holding in the FSS 2007 was having an UAA of at least 2 hectares. Farms with less than 2 ha were included if they have at least 8 bovines or pigs, or 20 sheep, or 200 poultry (hens, cocks, geese, ducks or turkeys), or 0.3 ha of one of the following crops: vineyards, fruit trees, hops, tobacco, nurseries, outdoor cultivation of vegetables, flowers, ornamental plants, aromatic, medicinal or culinary plants, garden seeds, or 0.03ha of vegetables, flowers or ornamental plants under glass.

The frame for the survey was the Farm Register (374 500 holdings) which was consolidated with the 2003 FSS and with administrative sources such as the Integrated administrative and control system (IACS) and the livestock register. For the sample survey a total of about 96 700 farms were selected from 26 strata using a single stage stratified sample. The sampling was based on geographical location, typology, UAA. The sample included also a

separate stratum of all the new farms. Administrative sources (IACS) were also used in 10 of the 15 Länder for some of the land use and livestock characteristics.

Depending on the Länder, personal interviews, postal surveys, telephone surveys or on-line surveys were used for the data capture of the German 2007 FSS.

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 Germany it covers close to 12 100 ha, 87% 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 Germany it is 1760 hours (220 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 Federal Statistical Office Germany:
www.destatis.de

National Methodological Report – FSS 2007 (available on 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 and Fisheries/Agriculture](#)

Agriculture



Structure of agricultural holdings

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