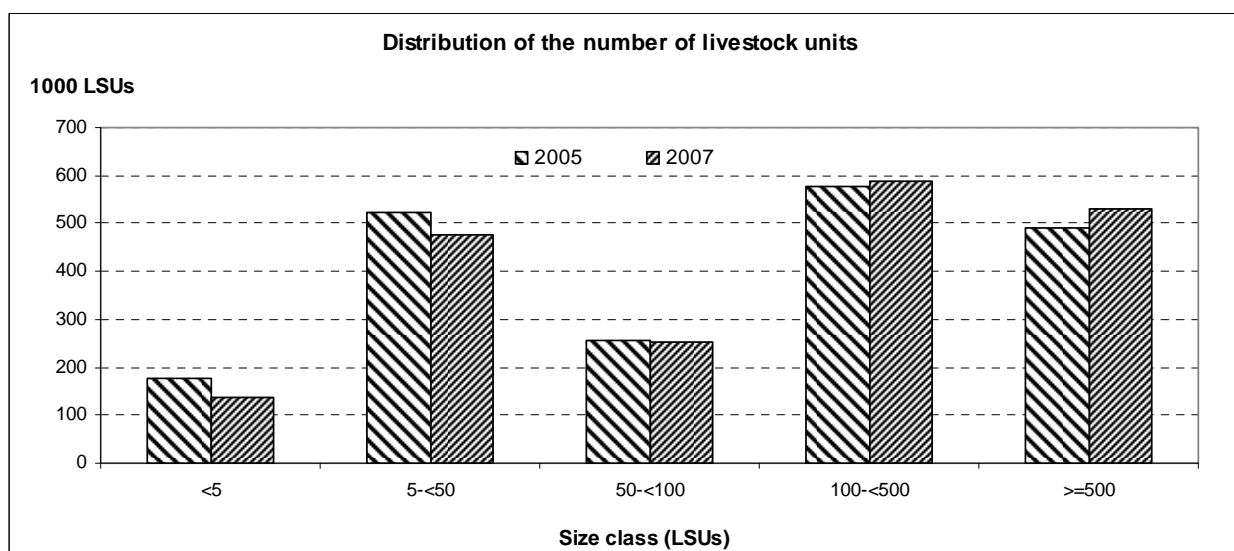
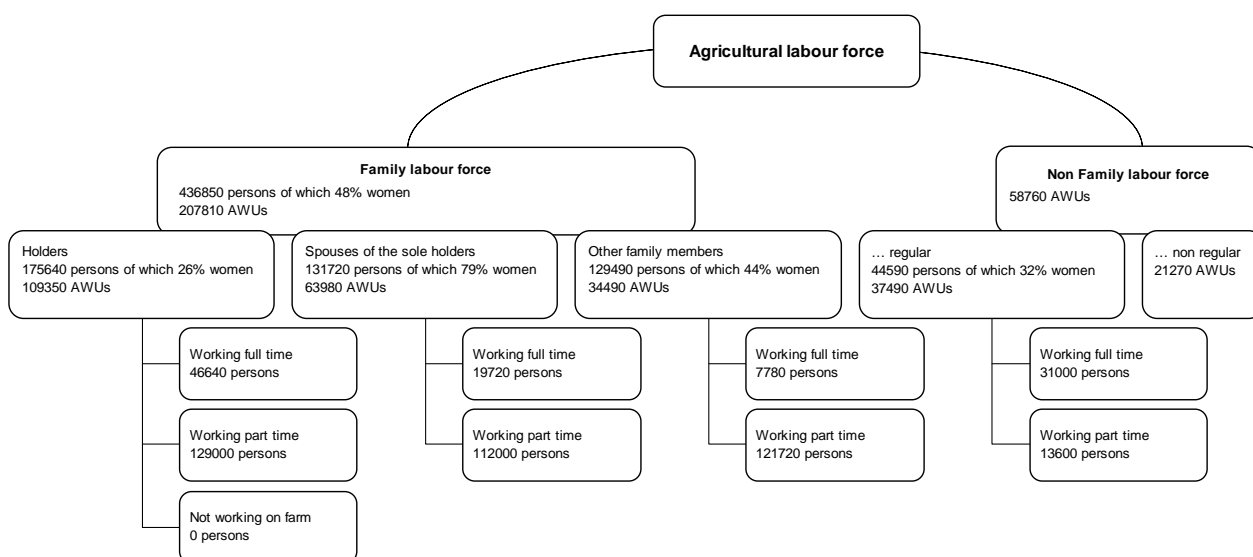


Description of the labour force in Portugal



*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	
Total labour force										
1000 annual work units	210.6	24.8	11.0	20.2	266.6	57.0	185.2	8.5	15.9	
Family labour force										
1000 persons	393.5	27.2	8.4	7.7	436.8	89.1	333.7	8.8	5.3	
1000 annual work units	183.3	15.1	4.8	4.5	207.8	32.1	167.4	5.2	3.1	
Non-family labour regularly employed										
1000 persons	19.8	7.1	4.8	12.9	44.6	17.9	11.7	3.0	12.1	
1000 annual work units	15.1	6.2	4.2	11.9	37.5	14.4	9.0	2.6	11.5	
Non regular non family labour force										
1000 annual work units	12.2	3.4	1.9	3.7	21.3	10.6	8.8	0.6	1.3	
Holding managers	1000	159.8	12.0	4.4	5.4	181.6	44.5	130.1	3.6	3.5
- women	(%)	25.8	14.7	13.5	10.0	24.3	20.6	26.3	11.4	8.6
- part-time: - under 50 %	(%)	40.6	26.2	26.3	26.2	38.9	60.1	32.8	17.3	19.6
- 50 % and over	(%)	34.5	30.6	27.2	21.6	33.7	23.9	37.8	15.7	22.6
Sole/main holders	1000	157.1	11.1	3.7	3.7	175.6	41.7	128.8	3.1	2.1
- women	(%)	27.2	17.8	18.7	15.4	26.1	24.0	27.3	15.8	11.5
-distribution by age	(%)									
- under 35 years		2.2	5.6	4.5	4.2	2.5	3.2	2.0	8.6	4.9
- from 35 to 44 years		7.9	15.6	17.6	16.5	8.8	9.2	8.1	22.5	19.5
- from 45 to 54 years		18.1	24.5	25.9	24.6	18.8	17.0	18.9	29.2	28.8
- from 55 to 64 years		27.3	22.4	20.0	21.4	26.7	24.6	27.6	22.9	22.4
- 65 years and over		44.6	31.9	32.0	33.4	43.3	45.9	43.4	16.9	24.4
- part-time: - under 50 %	(%)	41.3	28.3	30.7	38.0	40.2	64.1	33.1	20.0	32.6
- 50 % and over	(%)	35.1	33.1	31.8	31.4	34.8	25.5	38.2	18.1	37.7
- with another gainful activity ¹	(%)	23.5	16.6	14.6	11.5	22.4	28.0	21.1	11.9	10.9
- as a main occupation		21.3	14.1	11.6	8.4	20.2	25.6	19.0	10.3	8.0
- as a subsidiary occupation		2.2	2.5	3.0	3.1	2.2	2.4	2.2	1.6	2.8
Spouse of sole holder	1000	119.1	7.9	2.5	2.2	131.7	26.5	101.4	2.4	1.4
- women	(%)	79.0	84.2	81.1	86.5	79.5	84.7	77.8	84.8	90.5
-distribution by age	(%)									
- under 35 years		2.7	7.1	6.2	5.4	3.1	4.1	2.5	11.9	6.8
- from 35 to 54 years		31.6	44.8	45.1	45.0	32.9	35.0	31.4	55.1	56.1
- 55 years and over		65.7	48.1	48.7	49.6	64.1	60.9	66.0	33.0	37.2
- part-time: - under 50 %	(%)	56.5	53.1	55.4	65.9	56.5	79.2	50.7	50.8	56.5
- 50 % and over	(%)	28.9	28.4	26.0	15.0	28.6	14.4	32.7	15.9	17.3
- with another gainful activity	(%)	23.3	22.9	26.5	29.9	23.4	30.8	21.5	22.7	24.9
Other members of the holder's family working on the holding	1000	117.3	8.3	2.2	1.8	129.5	20.9	103.6	3.3	1.7
- women	(%)	44.9	41.8	37.5	30.3	44.4	41.3	45.1	43.3	41.2
- part-time: - under 50 %	(%)	86.9	73.8	72.2	73.1	85.6	89.6	85.6	69.9	67.8
- 50 % and over	(%)	7.9	12.4	13.3	10.9	8.4	6.3	8.8	8.2	9.4
- with another gainful activity	(%)	45.3	29.0	27.8	26.7	43.7	40.5	45.4	20.2	21.4

*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	159.8	12.0	4.4	5.4	181.6	44.5	130.1	3.6	3.5
- by legal personality of the holder	(%)									
- sole holder		98.3	92.4	85.7	68.9	96.7	93.7	99.0	86.7	60.1
- legal person		1.7	7.6	14.3	31.1	3.3	6.3	1.0	13.2	39.9
- group holders		0	0	0	0	0	0	0	0	0
- by employed labour force	(%)									
- under 1 AWU		36.7	20.5	18.8	12.5	34.5	57.7	28.1	7.3	3.8
- from 1 to less than 2 AWU		44.1	43.4	38.9	28.5	43.5	27.9	49.7	33.2	19.6
- from 2 to less than 3 AWU		15.6	21.0	23.3	21.8	16.3	7.7	18.6	36.4	22.2
- 3 AWU and over		3.5	15.1	19.0	37.3	5.7	6.6	3.6	23.1	54.4
- by economic size	(%)									
- from 1 to less than 8 ESU		86.1	40.3	23.8	4.4	79.1	76.7	84.2	2.8	0.1
- from 8 to less than 16 ESU		7.8	25.7	26.9	14.1	9.6	10.2	9.6	9.9	3.3
- from 16 to less than 40 ESU		4.7	18.8	28.6	30.8	7.0	8.1	5.4	42.7	14.8
- from 40 to less than 100 ESU		1.1	12.6	11.6	31.6	3.1	3.4	0.7	42.6	47.6
- 100 ESU and over		0.3	2.7	9.0	19.1	1.2	1.6	0.2	2.0	34.2
- by type of farming (top 5 + 'other')	(%)									
... mixed cropping		20.1	8.4	3.7	4.3	18.5	9.4	22.5	1.3	1.0
... specialist vineyard		11.5	6.4	5.1	2.8	10.8	24.8	6.6	0.5	0.4
... specialist fruit and citrus fruit		10.5	6.8	2.7	0.9	9.8	20.9	6.5	0.3	0.1
... various permanent crops combined		9.2	6.2	3.8	1.7	8.6	12.4	7.8	0.3	0.2
... general field cropping		8.8	5.1	7.8	5.3	8.4	8.2	8.9	0.8	0.3
Other types of farming		39.8	67.1	76.9	85.0	43.9	24.3	47.6	96.8	98.0
- by farming methods	(%)									
- organic farming		0.4	1.4	2.8	5.4	0.6	0.9	0.4	2.5	4.7
- irrigating		65.2	48.0	40.1	36.1	62.6	45.8	69.5	44.6	39.5
- with crops under glass		:	:	:	:	:	:	:	:	:
- with another gainful activity than agricultural production:	(%)									
Tourism		8.3	8.0	9.7	12.5	8.4	5.2	9.6	6.3	8.2
Handicraft		0.2	0.6	0.6	1.5	0.3	0.3	0.2	0.2	0.9
Processing of farm products		0.1	0	0	0.1	0.1	0.1	0.1	0	0.1
Wood processing		6.9	4.3	5.9	3.1	6.6	3.4	7.9	2.9	2.4
Aquaculture		0.2	0.4	0.8	1.6	0.2	0.2	0.2	0.4	1.3
Renewable energy production		0	0	0	0	0	0	0	0	0
Contractual work		0	0.1	0	0.2	0	0.1	0	0.1	0.2
Other gainful activities n.a.e		0.4	1.3	1.5	1.8	0.5	0.4	0.5	1.2	1.2
		0.7	1.8	1.8	5.5	0.9	0.9	0.8	1.9	3.2

*LSU = Livestock unit

Portugal – 2007

Table 3 – Land use by size of the farms

": 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	1089.4	454.6	352.8	2196.4	4093.3	992.2	1589.0	392.2	1119.9	
• H. Other area	377.3	89.6	49.6	256.2	772.8	246.3	364.6	41.8	120.1	
Wooded area	297.0	70.3	33.8	195.4	596.5	185.6	286.0	33.4	91.5	
• Agricultural area	712.1	365.0	303.2	1940.2	3320.5	745.8	1224.4	350.4	999.8	
- D. Arable land	273.7	141.3	108.7	495.9	1019.6	228.9	446.0	104.8	239.9	
Cereals	75.6	33.6	26.9	149.1	285.2	78.4	121.2	20.5	65.1	
<i>Common wheat and spelt</i>	5.2	7.2	6.2	36.7	55.3	18.5	16.9	4.3	15.7	
<i>Durum wheat</i>	0.3	0.2	0.2	1.8	2.5	0.9	0.6	0.1	0.8	
<i>Rye</i>	9.2	5.4	1.6	1.7	18.0	1.1	15.5	1.0	0.4	
<i>Barley</i>	2.7	2.6	4.9	29.0	39.3	17.8	8.1	2.9	10.5	
<i>Oats</i>	4.9	5.4	3.7	33.2	47.2	9.9	15.6	6.4	15.4	
<i>Grain maize</i>	49.1	7.3	4.6	19.9	80.9	15.6	52.8	2.1	10.4	
Dried pulses	2.8	0.8	1.7	8.8	14.2	4.0	4.5	1.0	4.7	
Root crops	15.2	3.1	2.5	3.6	24.4	5.7	16.8	0.9	0.9	
<i>Potatoes</i>	13.4	1.8	1.5	1.3	18.1	4.0	13.5	0.3	0.4	
<i>Sugar beet</i>	0.4	0.3	0.4	1.2	2.3	1.5	0.5	0	0.3	
<i>Fodder root</i>	1.5	1.0	0.5	1.0	4.0	0.2	2.9	0.6	0.2	
Industrial crops	0.9	1.6	3.0	11.3	16.7	8.6	4.1	1.0	3.0	
<i>Tobacco</i>	:	:	:	:	:	:	:	:	:	
<i>Hops</i>	:	:	:	:	:	:	:	:	:	
<i>Cotton</i>	0	0	0	0	0	0	0	0	0	
<i>Rape and turnip</i>	0	0	0	0	0	0	0	0	0	
<i>Sunflower</i>	0.7	1.4	2.7	10.0	14.8	7.6	3.5	1.0	2.8	
<i>Soya</i>	0	0	0	0	0	0	0	0	0	
Fresh vegetables, melons, strawberry	16.2	5.2	7.5	6.5	35.5	20.8	13.5	0.3	0.8	
<i>outside</i>	15.1	5.0	7.5	6.4	34.0	19.8	13.0	0.3	0.8	
<i>under glass</i>	1.2	0.2	0	0.1	1.5	0.9	0.6	0	0	
Flower and ornamental plants	1.0	0.5	0.1	0.2	1.8	1.1	0.5	0	0.1	
<i>outside</i>	0.6	0.3	0.1	0	1.1	0.7	0.4	0	0	
<i>under glass</i>	0.4	0.1	0	0.2	0.7	0.4	0.2	0	0.1	
Forage plants	109.9	56.2	36.2	140.5	342.8	26.4	178.3	47.2	90.9	
Fallow land	50.9	40.3	30.6	175.6	297.4	83.3	106.0	33.7	74.3	
- E. Kitchen garden	10.2	1.1	0.3	0.4	12.0	2.0	9.6	0.2	0.2	
- F. Permanent pasture and meadows	137.3	140.3	143.5	1325.1	1746.3	266.3	524.7	230.6	724.8	
- G. Permanent crops	290.9	82.3	50.7	118.7	542.6	248.6	244.1	14.9	35.0	
Fruit and berry plantation	70.9	20.4	6.6	6.0	104.0	44.1	57.7	1.0	1.3	
Citrus plantation	12.0	3.6	1.5	0.9	17.9	10.8	6.7	0.1	0.3	
Olive trees	109.6	35.4	28.6	85.0	258.6	112.3	107.1	11.7	27.4	
Vineyard	97.3	22.5	13.8	26.3	159.8	80.5	71.4	1.9	6.0	
Ratios										
Agricultural area per holding	(ha)	4.5	30.4	69.7	357.8	18.3	16.8	9.4	97.5	286.8
Agricultural area...	(%)									
... own farmed		83.4	68.3	62.3	65.8	69.5	79.7	69.4	53.2	67.7
... in less favoured or mountain area		74.8	84.3	87.4	93.9	88.1	84.1	86.4	91.2	92.2
... organic farmed		0.3	1.0	1.7	4.5	3.0	1.2	1.1	4.9	5.8
... irrigated		25.9	15.1	12.0	6.6	12.2	18.4	15.7	6.4	5.2

*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)	1007.4	262.6	161.7	554.5	1986.2	0	613.3	251.0	1121.9
of which grazing	(%)	44.1	76.1	69.4	86.2	62.2	:	84.6	85.7	44.6
Grazing livestock	(1000 heads)									
Equidae		30.0	5.4	2.0	6.9	44.3	0	37.0	2.4	4.8
Bovine animals		461.6	206.0	109.5	535.8	1312.8	0	453.0	231.0	628.8
Under 1 year		146.4	52.3	30.0	146.5	375.2	0	141.5	58.2	175.4
From 1 to less than 2 years		90.0	33.7	17.0	69.6	210.3	0	74.1	37.1	99.1
Dairy cows		146.9	76.2	28.0	21.4	272.6	0	109.2	75.9	87.5
Other cows		51.3	29.5	25.9	260.7	367.4	0	95.0	46.7	225.7
Other bovine animals 2 years and older		26.9	14.2	8.6	37.5	87.3	0	33.2	13.1	41.1
Sheep		653.4	342.6	282.9	976.2	2255.3	0	1370.9	369.5	514.8
Goats		231.7	50.5	23.9	50.5	356.7	0	305.5	26.2	25.0
Granivores										
Pigs	(1000 heads)	1197.5	209.3	93.2	265.0	1765.0	0	221.0	76.4	1467.6
Piglets < 20 kg		369.2	70.6	25.9	64.2	529.9	0	67.8	26.3	435.9
Breeding sows		160.4	33.0	12.6	33.7	239.7	0	47.3	14.4	178.0
Other pigs		667.9	105.7	54.7	167.1	995.4	0	105.9	35.8	853.7
Poultry	(million heads)	24.5	0.9	1.2	0.3	27.0	0	2.9	2.3	21.8
Broilers		15.0	0.3	0.1	0	15.4	0	1.7	2.2	11.4
Laying hens		7.6	0.5	0.6	0.1	8.8	0	0.9	0	7.9
Other poultry		1.9	0.1	0.6	0.2	2.8	0	0.3	0	2.4
Rabbits, breeding females	(1000 heads)	192.3	5.5	2.2	19.4	219.4	0	187.8	8.7	22.9
Beehives	(1000)	138.3	11.7	1.9	3.2	155.2	54.1	97.9	1.6	1.6
Average size of herds*	(head/holding)									
Equidae	(head/holding)	1.6	2.1	2.8	7.9	2.0	:	1.7	4.8	8.5
Cattle	(head/holding)	12.3	46.6	73.8	196.8	28.4	:	11.0	84.4	253.5
Dairy cows	(head/holding)	13.6	37.3	67.5	124.7	20.3	:	9.9	46.0	121.3
Other cows	(head/holding)	3.6	14.2	26.7	108.8	18.6	:	5.6	43.9	144.7
Sheep	(head/holding)	23.9	97.1	181.7	404.7	64.7	:	42.2	315.0	442.6
Goats	(head/holding)	12.2	30.2	40.0	86.3	16.3	:	14.5	55.3	87.3
Pigs	(head/holding)	26.1	71.9	112.3	257.8	34.8	:	4.6	58.9	1116.1
Breeding sows	(head/holding)	12.4	39.3	38.3	51.5	16.3	:	3.6	21.8	186.6
Other pigs > 20 kg	(head/holding)	17.6	40.0	72.5	173.2	23.5	:	2.7	30.1	679.7
Rabbits, breeding females	(head/holding)	5.2	4.5	8.1	184.8	5.7	:	5.0	20.8	86.7
Laying hens	(1000/holding)	0.1	0.1	0.4	0.1	0.1	:	0	0	9.5
Broilers	(1000/holding)	0.2	0.1	0.1	0	0.2	:	0	1.7	13.3
Beehives	(hive/holding)	18.5	24.4	20.0	28.7	19.0	68.0	13.6	14.8	25.4

*LSU = Livestock unit

		Absolute figures			% of total	
		Total	< 1 ESU	>= 1 ESU	< 1 ESU	>= 1 ESU
Regular Labour force	(1000 pers)	682.3	200.9	481.4	29.4	70.6
Regular labour force	(1000 AWU)	315.3	70.0	245.3	22.2	77.8
Holder with...	(1000)	268.6	92.9	175.6	34.6	65.4
... at least 65 years		129.6	53.6	76.0	41.4	58.6
... another gainful activity		65.1	24.3	40.8	37.3	62.7
Number of sole holdings	(1000)	275.1	93.5	181.6	34.0	66.0
... producing mainly for own consumption		21.8	21.8	0.0	100.0	0.0
... producing mainly for direct sales		17.7	3.2	14.5	18.2	81.8
SGM	(1000 ESU)	1804.4	50.9	1753.5	2.8	97.2
Agricultural area	(1000 ha)	3472.9	152.4	3320.5	4.4	95.6
... own farmed		2447.4	139.6	2307.8	5.7	94.3
Livestock	(1000 LSU*)	2030.0	43.9	1986.2	2.2	97.8

*LSU = Livestock unit

METHODOLOGICAL NOTES

The Portuguese National Statistical Institute (INE) in coordination with its regional agencies implemented the FSS 2007 in Portugal. It was the third survey after the last Agricultural Census in 1999 (AC 1999). It was a sample survey and its reference period was from 1 November 2006 to 31 October 2007. For livestock the reference day was the day of the survey (the interviews were carried out from November 2007 to April 2008).

The Portuguese definition of an agricultural holding is the reflection of the Community's definition: a technical and economic unit which used its own labour and production factors and produces agricultural products (or maintains land in good agricultural and environmental conditions), has a single management, is located in an identifiable place and reaches at least one the following thresholds:

- at least 1 hectare (ha) of UAA;
- under 1 ha but having at least 500 m² of ornamental flowers and plants or greenhouses or nurseries or aromatic plants, 1000 m² of intensive horticultural crops or seeds of fodder crops or seeds and seedlings of non-woody crops, 2000 m² of industrial crops or orchards or vineyards, 5000 m² of olive plantation, potatoes or extensive horticultural crops or 1 tonne of mushroom yearly production;
- has a stock of 1 breeding bull, or 1 cow or 2 bovines aged 2 years or more, or 3 fattening pigs, or 1 breeding sow, or 6 ewes, or 6 female goats, or 10 breeding rabbits, or 100 laying and/or breeding females of the poultry species considered, or 10 beehives, or 2 breeding ostriches or 500 laying quails, or has produced in the preceding year 5 bovine animals, or 5 pigs, or 250 geese, or 250 turkeys, or 250 guinea fowl, or 500 broilers or 500 ducks, or 15 ostriches or 10 000 quail.

The sampling frame for the survey, which included over 410 000 holdings, was the AC1999 updated through the previous surveys (2003, 2005) and administrative sources. The sample was a stratified random sample, based on the geographical regions, the labour force,

typology and UAA. A total of around 39 000 holdings where included in the sample.

Among these holdings over 4 000 were closed down or abandoned, the final result was close to 34 800 holdings representing about 275 000 holdings.

The non-response rate in the 2007 FSS in Portugal was quite low (1%). All non-responses were replaced with other holdings from the same stratum or by imputation in rare exhaustive strata.

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 Portugal it covers close to 7 400 ha, 94% 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 Portugal it is 1920 hours (240 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

National Methodological Report – FSS 2007 (available on request).

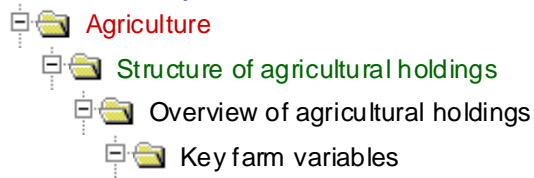
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