

Structure of agricultural holdings

Slovenia 2003

A farm structure survey was carried out in all EU Member States in 2003 (2002 in Poland). The detailed results are now available for Belgium, Denmark, France, Ireland, Latvia, Luxembourg, Hungary, Malta, the Netherlands, Slovenia, Finland, Sweden and the United Kingdom. Results for the other Member States will become available in the course of the next months. This Statistics in Focus is part of a series of country-specific publications, all following the same structure.

In Slovenia, in June, 2003 almost 61 400 agricultural holdings had an economic size of at least one ESU (European size unit)*.

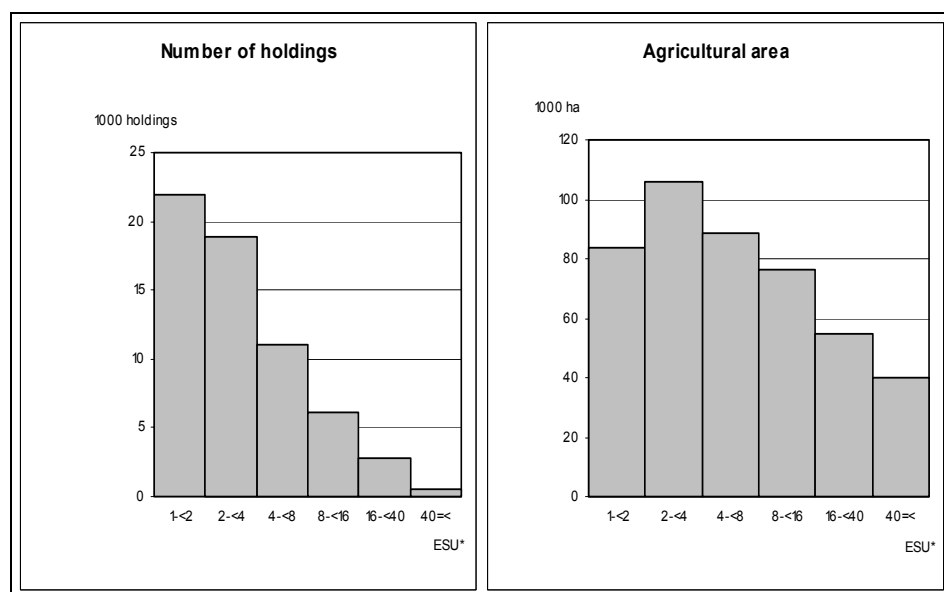
- These holdings employed 84 300 AWUs (annual work unit), the equivalent of 84 300 persons working full time;
- they made use of 448.8 thousand ha of agricultural area, which is on average 7.3 hectare per holding.

Amongst these 61 400 agricultural holdings,

- 36% made use of less than one AWU, while 20% made use of 2 or more AWUs;
- 49% used less than 5 ha, while only 4% used 20 ha or more;
- 55% were mixed holdings, while 45% were specialised: dairies 15%, sheep, goat and various grazing livestock 7%, cattle rearing and fattening 6%, field cropping 4%, vineyards 4%, fruits and citrus fruits 3%, various permanent crops 3%, combined dairy and cattle rearing and fattening 2%, pigs and poultry 1%.

Amongst the 61 300 sole holders

- 23% were women;
- 54% were aged 55 or more, however only 4% is younger than 35 years;
- 60% had another gainful activity as major occupation.



* ESU measures the economic size of the holdings (see methodological notes).

Statistics in focus

AGRICULTURE AND FISHERIES

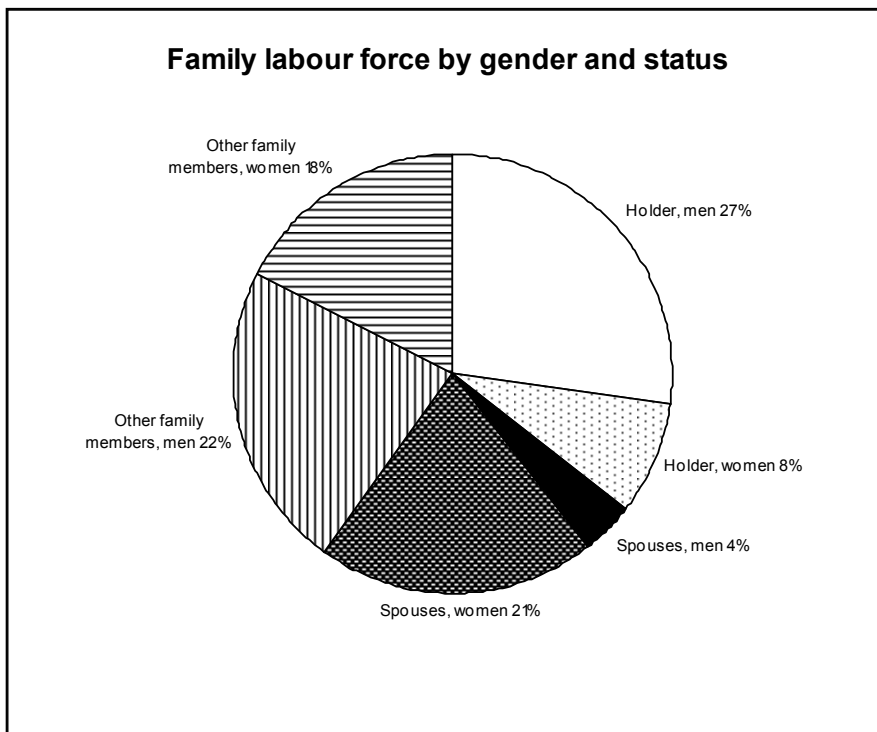
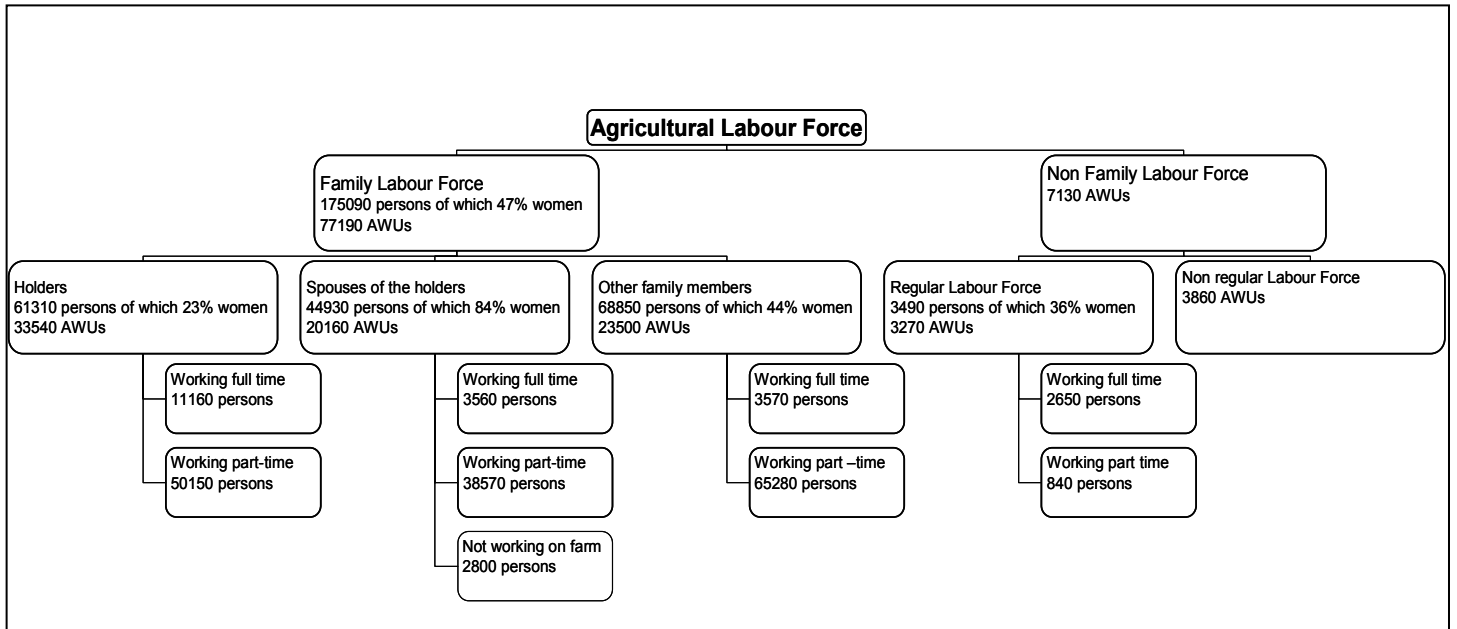
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Slovenia, 2003 – Holdings of at least 1 ESU



Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	>=40
Total labour force								
1000 annual work units	11.0	84.3	21.3	22.8	16.8	12.1	7.0	4.3
Family labour force								
1000 persons	36.6	175.1	57.4	52.6	33.4	20.2	9.9	1.5
1000 annual work units	10.5	77.2	20.4	22.0	16.1	11.3	6.3	1.0
Non-family labour regularly employed								
1000 persons	0	3.5	0	0	0	0.1	0.3	3.0
1000 annual work units	0	3.3	0	0	0	0.1	0.3	2.9
Non regular non family labour force								
1000 annual work units	0.5	3.9	0.9	0.8	0.7	0.6	0.5	0.4
Holding managers (1000)	15.7	61.4	22.0	18.9	11.1	6.1	2.8	0.5
- women (%)	32.5	23.1	26.3	23.6	22.5	16.9	13.0	6.6
- part-time - under 50 % (%)	78.4	47.4	64.7	48.4	36.6	21.1	12.0	7.8
- 50 % and over (%)	18.6	34.3	30.1	38.0	38.3	35.4	27.0	12.0
Sole/main holders (1000)	15.7	61.3	22.0	18.9	11.1	6.1	2.8	0.4
- women (%)	32.5	23.1	26.3	23.6	22.5	16.9	13.1	7.1
- distribution by age (%)								
- under 35 years	3.1	4.1	3.5	3.5	3.9	5.7	8.1	10.3
- from 35 to 44 years	11.5	15.6	13.3	14.4	15.6	22.6	24.3	28.4
- from 45 to 54 years	20.3	26.0	24.6	26.0	26.6	27.9	29.0	30.1
- from 55 to 64 years	24.4	22.1	21.8	23.0	23.1	20.5	18.5	17.9
- 65 years and over	40.7	32.3	36.8	33.0	30.7	23.4	20.1	13.0
- part-time - under 50 % (%)	78.4	47.5	64.7	48.4	36.6	21.1	12.1	9.6
- 50 % and over (%)	18.6	34.3	30.1	38.0	38.3	35.4	27.2	14.7
- with another gainful activity ¹ (%)	91.2	75.8	88.4	79.3	68.5	52.2	39.6	29.7
- as main occupation	84.2	60.0	76.0	63.7	49.6	31.1	21.1	12.0
- as a subsidiary occupation	7.0	15.7	12.4	15.6	18.8	21.2	18.5	17.6
Spouse of sole holder (1000)	9.6	44.9	14.9	13.8	8.5	5.0	2.5	0.3
- women (%)	79.9	84.1	83.9	83.0	82.7	86.3	89.4	96.3
- distribution by age (%)								
- under 35 years	5.9	7.2	5.7	6.8	6.9	11.1	11.0	13.8
- from 35 to 54 years	42.6	49.1	47.5	46.7	50.1	52.3	59.9	62.2
- 55 years and over	51.6	43.7	46.8	46.5	43.0	36.6	29.1	24.2
- part-time - under 50 % (%)	73.1	54.6	65.6	58.5	47.4	38.5	28.3	17.9
- 50 % and over (%)	14.2	31.3	25.1	28.1	38.2	40.6	41.0	46.1
- with another gainful activity (%)	96.9	90.7	95.2	92.6	90.6	83.0	72.0	65.4
- as main occupation	91.8	73.8	84.1	77.2	68.4	57.9	48.2	36.9
- as a subsidiary occupation	5.1	16.9	11.1	15.4	22.2	25.1	23.8	28.5
Other members of the holder's family working on the holding (1000)	11.2	68.8	20.6	19.9	13.9	9.1	4.7	0.7
- women (%)	43.0	43.9	43.4	43.8	44.0	45.3	42.8	46.2
- part-time - under 50 % (%)	91.3	78.6	86.1	82.3	78.2	65.8	59.7	52.4
- 50 % and over (%)	8.0	16.2	12.5	15.4	17.3	22.3	20.6	21.0
- with another gainful activity (%)	99.0	94.1	97.7	96.6	94.6	87.8	80.8	75.3

¹ Only holders being also farm managers.

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	>=40
Holdings								
- total number (1000)	15.7	61.4	22.0	18.9	11.1	6.1	2.8	0.5
- by legal personality of the holder (%)								
- sole holder	100.0	99.8	100.0	100.0	100.0	99.9	99.5	81.8
- legal person	0	0.2	0	0	0	0.1	0.5	18.2
- group holders	0	0	0	0	0	0	0	0
- by employed labour force (%)								
- under 1 AWU	72.7	36.0	54.9	38.4	20.7	6.7	2.2	0.4
- from 1 to less than 2 AWU	25.2	44.1	38.6	47.3	53.3	47.7	26.7	13.8
- from 2 to less than 3 AWU	2.0	16.2	5.9	12.7	23.2	35.5	48.0	29.3
- 3 AWU and over	0.1	3.7	0.6	1.5	2.8	10.0	23.2	56.5
- by agricultural area (%)								
- under 5 ha	90.1	49.2	75.8	53.9	24.6	6.9	5.8	12.0
- from 5 to less than 20 ha	9.8	46.9	23.9	45.4	73.3	83.8	56.0	23.6
- from 20 to less than 50 ha	0.1	3.6	0.2	0.8	2.0	8.9	35.9	40.3
- from 50 to less than 100 ha	0	0.2	0	0	0.1	0.3	2.1	12.4
- 100 ha and over	0	0.1	0	0	0	0.1	0.2	11.6
- by livestock size (%)								
- without livestock	16.8	9.2	11.0	9.8	6.2	5.5	7.9	24.2
- under 10 LSU	83.2	68.2	88.8	81.0	54.4	12.5	8.0	10.2
- from 10 to less than 20 LSU	0	14.0	0.1	9.1	36.0	43.5	5.9	2.0
- from 20 to less than 50 LSU	0	7.0	0	0.1	3.4	37.1	55.6	9.2
- from 50 to less than 100 LSU	0	1.0	0	0	0	1.3	16.3	20.2
- 100 LSU and over	0	0.6	0	0	0	0	6.2	34.1
- by farm type (%)								
... specialist cereals, oil seed and protein crops	2.3	1.8	1.9	2.1	1.8	0.8	0.6	2.8
... general field cropping	1.8	2.5	2.4	2.9	2.1	1.5	3.4	9.6
... specialist horticulture	0.1	1.0	0.3	0.2	1.8	1.7	4.2	18.6
... specialist vineyard	4.3	3.7	3.4	3.7	4.2	4.7	2.5	3.2
... specialist fruit and citrus fruit	0.9	2.5	1.9	3.2	2.7	2.0	2.9	3.8
... specialist olives	0.1	0.5	0.6	0.7	0.3	0.3	0	0.2
... various permanent crops combined	1.4	2.9	2.6	3.1	3.0	3.4	2.3	3.4
... specialist dairy farming	0.7	14.7	2.5	7.7	26.4	44.9	44.4	22.4
... specialist cattle – rearing and fattening	11.7	5.8	8.6	6.1	3.6	1.2	0.9	0.2
... cattle – dairy farming, rearing and fattening combined	0	2.0	0.9	1.5	2.8	5.3	3.5	0.6
... sheep, goats and other grazing livestock	14.4	6.5	9.3	7.3	3.7	1.7	1.1	0.6
... specialist granivores	0	1.0	0.1	0.1	1.0	2.8	8.2	16.8
... mixed cropping	16.4	19.9	26.1	23.9	13.2	6.0	4.7	6.2
... mixed livestock, mainly grazing livestock	21.8	18.2	20.2	19.7	19.2	11.8	5.6	1.6
... mixed livestock, mainly granivores	6.3	1.9	2.3	1.1	1.7	1.9	4.1	2.8
... field crops – grazing livestock combined	5.2	4.3	4.6	4.0	4.0	4.0	5.0	2.8
... various crops and livestock combined	12.6	10.7	12.4	12.5	8.5	6.0	6.2	3.8
- by farming methods (%)								
- organic farming	:	:	:	:	:	:	:	:
- irrigating	0.4	1.7	0.5	1.4	1.7	3.4	7.1	16.2
- with crops under glass	2.0	5.0	3.1	4.8	6.5	6.0	9.0	21.4
- % in less favoured or mountain area *	0	0	0	0	0	0	0	0

* not classifiable about LFA in 2003 (not yet Member State)

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	>=40
Area (1000 ha)								
• Total area of agricultural holdings	99.1	827.7	198.2	220.0	165.3	124.4	76.1	43.6
• H. Other area	61.4	378.9	114.4	114.1	77.0	48.4	21.2	3.9
Wooded area	49.0	336.9	98.2	100.2	70.4	45.1	20.0	3.0
• Agricultural area	37.7	448.8	83.8	105.9	88.3	76.0	55.0	39.7
- D. Arable land	4.7	165.4	18.6	29.7	31.2	30.4	28.6	26.9
Cereals	2.7	95.6	11.0	18.1	18.9	16.7	13.8	17.2
Common wheat and spelt	0.6	35.0	3.2	5.9	6.8	5.7	4.6	8.8
Durum wheat	0	0	0	0	0	0	0	0
Rye	0	0.6	0.1	0.2	0.1	0.1	0.1	0.1
Barley	0.5	13.3	1.9	3.1	3.1	2.7	1.7	0.8
Oats	0.1	1.9	0.2	0.5	0.5	0.3	0.2	0.1
Grain maize	1.5	42.7	5.2	8.1	8.0	7.3	6.8	7.3
Dried pulses	0	0.7	0.1	0.2	0.1	0.1	0.2	0.1
Root crops	0.7	12.6	1.8	2.5	2.3	2.1	2.3	1.7
Potatoes	0.5	6.3	1.4	1.6	1.2	0.9	0.9	0.3
Sugar beet	0	5.2	0.1	0.5	0.8	1.1	1.3	1.4
Fodder root	0.1	1.1	0.3	0.4	0.3	0.1	0.1	0
Industrial crops	0.1	7.7	0.8	1.6	1.2	0.8	1.0	2.3
Tobacco	0	0	0	0	0	0	0	0
Hops	0	1.2	0	0	0	0.1	0.4	0.7
Cotton	0	0	0	0	0	0	0	0
Rape and turnip	0	2.7	0.1	0.3	0.3	0.2	0.2	1.5
Sunflower	0	0.1	0	0	0	0	0	0.1
Soya	0	0	0	0	0	0	0	0
Fresh vegetables, melons, strawberry	0	1.1	0	0	0.1	0.2	0.3	0.5
outside	0	1.0	0	0	0.1	0.1	0.3	0.4
under glass	0	0.2	0	0	0	0	0	0.1
Flower and ornamental plants	0	0.2	0	0	0	0	0	0.1
outside	0	0.1	0	0	0	0	0	0.1
under glass	0	0	0	0	0	0	0	0
Fodder plants	1.1	46.9	4.8	7.3	8.7	10.5	11.0	4.6
Fallow land	0.1	0.2	0.1	0.1	0	0	0	0
- E. Kitchen garden	0.2	1.8	0.4	0.5	0.3	0.2	0.2	0
- F. Permanent pasture and meadows	32.0	253.5	61.6	70.0	51.2	40.3	22.9	7.5
- G. Permanent crops	0.8	28.0	3.3	5.6	5.5	5.1	3.2	5.3
Fruit and berry plantation	0.2	11.0	1.2	2.4	2.1	1.8	1.4	2.0
Citrus plantation	:	:	:	:	:	:	:	:
Olive trees	0	0.7	0.1	0.3	0.2	0.1	0	0
Vineyard	0.5	16.0	1.9	3.0	3.2	3.1	1.8	3.1
Ratios								
Agricultural area per holding (ha)	2.4	7.3	3.8	5.6	8.0	12.4	19.5	79.6
Agricultural area... (%)								
... own farmed	92.0	74.3	92.3	87.6	80.3	70.9	55.1	20.4
... in less favoured or mountain area *	0	0	0	0	0	0	0	0
... organic farmed	:	:	:	:	:	:	:	:
... irrigated	0	0.4	0	0.1	0.1	0.4	1.0	1.9
... under cover crop protecting soil	0.1	1.6	0.2	0.4	0.8	1.1	1.9	9.8

* not classifiable about LFA in 2003 (not yet Member State)

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)		<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	>=40
Total livestock	(1000 LSU⁺)	19.0	566.7	56.1	85.5	98.0	109.8	114.5	102.9
of which grazing	(%)	77.3	62.7	75.9	75.7	76.4	75.6	59.8	21.3
Grazing livestock	(1000 heads)								
Equidae		0.9	15.9	3.7	4.9	3.7	2.0	1.0	0.6
Bovine animals									
Under 1 year		6.2	133.8	17.2	27.1	29.3	28.1	23.8	8.3
From 1 to less than 2 years		4.4	112.3	13.9	21.5	24.3	24.6	20.8	7.2
Dairy cows		0.1	131.0	2.1	8.3	26.9	44.1	38.1	11.6
Other cows		7.5	59.3	19.6	23.7	11.7	3.1	1.0	0.2
Other bovine animals 2 years and older		1.0	22.8	2.7	4.1	4.3	5.4	4.7	1.5
Sheep		9.6	110.0	23.2	33.8	27.7	15.7	8.0	1.6
Goats		4.7	24.0	6.4	8.3	6.0	2.3	0.8	0.2
Granivores									
Pigs	(1000 heads)								
Piglets < 20 kg		0.3	192.8	4.1	15.8	25.6	30.4	24.0	92.9
Breeding sows		0.1	66.8	1.7	6.4	10.5	12.4	10.1	25.9
Other pigs		9.9	337.9	32.7	46.1	46.9	48.4	53.2	110.6
Poultry	(million heads)	0.1	5.1	0.2	0.2	0.3	0.6	2.0	1.8
Broilers		0	2.6	0	0	0.1	0.5	1.4	0.5
Laying hens		0.1	1.3	0.1	0.2	0.1	0.1	0.1	0.7
Other poultry		0	1.1	0	0	0	0	0.4	0.6
Rabbits, breeding females	(1000 heads)	4.3	21.3	6.9	7.1	4.0	2.8	0.5	0
Beehives	(1000)	1.0	23.6	4.2	8.7	7.2	2.1	1.1	0.2
Total livestock per holding with...	(LSU/holding)								
Livestock		1.5	10.2	2.9	5.0	9.4	19.0	44.0	272.1
Grazing livestock		1.8	10.5	3.6	6.1	10.3	19.4	43.4	150.3
Bovine animals (cattle)		2.0	11.0	3.8	6.3	10.4	19.3	43.1	147.3
Cattle, other than cows		2.1	11.6	4.0	6.6	10.6	19.4	43.2	147.3
Granivores		1.4	10.1	2.7	4.9	9.2	18.8	45.4	286.4
Pigs		1.7	11.0	3.0	5.3	9.7	19.6	43.0	270.4
Average size of herds*	(head/holding)								
Equidae		1.7	3.8	3.0	3.7	4.2	4.5	4.2	18.6
Dairy cows		1.0	7.7	1.2	2.3	4.9	10.3	20.1	63.9
Other cows		1.5	3.2	2.3	3.6	4.9	5.3	5.1	7.1
Sheep		8.4	26.6	15.1	22.9	36.3	63.4	84.1	133.1
Goats		4.2	8.4	6.3	7.9	11.5	12.2	10.3	25.0
Breeding sows		1.2	8.0	1.9	2.5	4.4	7.2	12.9	239.4
Other pigs > 20 kg		2.2	10.0	3.1	4.4	6.7	12.1	31.7	425.3
Rabbits, breeding females		3.2	3.5	3.1	3.4	3.7	5.2	3.1	3.1
Laying hens	(1000/holding)	0	0	0	0	0	0	0.1	3.9
Broilers	(1000/holding)	0	0.6	0	0	0.1	1.1	4.7	13.3
Beehives	(hive/holding)	7.3	17.4	13.2	18.6	24.0	11.7	14.3	22.3

* number of animals of a given livestock category per holding with this kind of animals

+ LSU : Livestock Unit

Symbols : not available 0 less than half of the unit or nil

Economic size (ESU)	<1	>=1	1-<2	2-<4	4-<8	8-<16	16-<40	>=40
Holdings with another gainful activity than agricultural production: (% all holdings)	1.1	4.4	2.3	3.3	5.1	9.8	12.8	9.8
Tourism	0.1	1.1	0.6	1.0	1.6	1.9	1.5	1.0
Handicraft	0.1	0.2	0.3	0.1	0.1	0	0.1	0
Processing of farm products	0.2	0.9	0.2	0.8	0.9	2.2	4.2	2.6
Wood processing	0.4	0.7	0.8	0.4	1.1	1.1	0.3	0.2
Aquaculture	0	0	0	0.1	0	0	0	0
Renewable energy production	0	0.1	0	0	0	0.4	0.2	0
Contractual work	0.1	1.5	0.5	0.7	1.3	4.4	7.2	6.0
Other gainful activities n.a.e	0.1	0.4	0.1	0.6	0.4	0.9	0.7	0.2

► METHODOLOGICAL NOTES

In Slovenia, the survey on the structure of agricultural holdings was carried out in June 2003 using a combined method (exhaustive and sample survey). This was the second Farm Structure Survey (FSS) being in compliance with EU requirements. Prior full-scale agricultural census was conducted on in 2000. The reference time of the FSS 2003 is 1st June 2003, while for labour force characteristics the reference period is between 1st June 2002 and 31 May 2003.

The FSS relates to agricultural holdings being a single unit under a single management and exceeding certain physical thresholds. The target population was the family farms surveyed in the census 2000 and all the business enterprises. The list of units has been updated using information of the previous statistical surveys and of administrative data sources (Register of Territorial Units, IACS). All business enterprises have been surveyed. In case of family holdings the frame was stratified by 20 physical criteria (e.g. UAA, extensive orchard, cattle) and later by statistical regions (NUTS 3 level). The stratification produced 4 groups, where the largest holdings were included in group 1, while the smallest in group 4. Altogether 48 strata have been established. In order to obtain reasonable and representative samples, from strata of the largest holdings all units have been selected (full scope), while in the others proportional allocation was applied according to the number of units in each strata. Systematic random sampling was used to choose the units to be surveyed. Finally 15000 family holdings have been selected for FSS 2003.

The data are multi-level checked; non-response was 3.2%. Missing or incorrect data were imputed by using their data from agricultural census 2000, census of fruit and olive plantations 2002, horticultural census 2002 or from administrative sources (applications for subsidies). Labour force data were ad hoc imputed.

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 equal to 1200 euros.

Due to differences in the coverage of units of less than 1 ESU across Member States, these data are not comparable between countries. That is why the present analysis and graphs focus on the holdings of at least one ESU.

Each farm is classified in the community typology by its economic size and its **type of farming**, depending on the share of each enterprise in its economic size. For instance, a farm where breeding sows account for more than 2/3 of the economic size is classified as *specialist pig rearing* (type 5011). Depending on the level of aggregation, farms are grouped into 8 to 70 types.

Annual working unit (AWU) means the labour force working yearly like a worker employed on full time basis; it is 1800 hours (225 working days of 8 working hours per day).

► REFERENCE PUBLICATIONS

Farm Structure Survey, 1 June 2003, Rapid Reports No 243, Statistical Office of Republic of Slovenia, September 2003.

Farm Structure Survey, 1 June 2003, Rapid Reports No 96, Statistical Office of Republic of Slovenia, April 2004.

Website of the Statistical Office of Republic of Slovenia: www.stat.si

Further information:

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ORIGINAL TEXT: English