



Family farms in Macedonia

**Ministry of Agriculture, Forestry
and Water Economy**

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Geographic characteristics, climate and population

- Geographic location: European country located in the south western part of the Balkan Peninsula;
- Total area: 25,713 km² (hills and mountains 79,%, plains 19,%, natural lakes 2%);
- Population: around two million, 650 thousand households, density of population: 79 inhabitants/km²:
 - rural population: 43%;
 - urban population: 57%;
- Climate: Continental and Mediterranean;
- Soil structure: 30 types of soils.

Role of agriculture in the Economy

- Agriculture (including hunting, forestry and fishery) is the third largest sector after services and industry;
- Share of the agricultural sector in the overall GDP around 10% (if agro-processing is included, the percent increases to 16%).
- According to Agriculture Census 2007 in Macedonia existed 192 675, and in Census 1994 were 226 000 family farms
- The sector provided income and employment to app. 17% of the national workforce;

Labour

- The total number of employees in agriculture is 111 489
- 471 069 members of the family are involved in the work on the farm
- From the total number of employees in the family farms approximately 32% are women's.
- In 12% of the family farms all members of the family are included in the farm activities.
- From 88% of the family farms at least one member of the family works outside of farm.

Age structure of total labour

Years of age	Total Labour	Share
Under 25	59801	13%
25-34	72341	15%
35-44	91352	19%
45-54	100160	21%
54-64	77917	17%
Over 65	69498	15%
Total	471069	100%

Labour

Year	Employed in Agriculture, hunting and forestry	Family Farms	Share
2005	106179	98344	93%
2006	114485	107841	94%
2007	107433	101258	94%
2008	119498	112528	94%
2009	116601	111489	96%

Structure of farms

- 90% of all family farms are under area of 3 ha
- 43% of all family farms are under area of 0.5 ha
- Average size of family farm is 1.37 ha divided into 7-8 different parcels

Structure of farms

- Structure of farms and structure of used agricultural land in the Republic of Macedonia - *Agricultural Census 2007*;

Structure of farms by size

Farms	Number of farms	Percentage
to 0.50 ha	83,502	43%
0.51 - 1,00 ha	38,598	20%
1.01 - 3,00 ha	50,422	26%
3.01 - 5,00 ha	11,919	6%
5.01 - 8,00 ha	5,067	3%
8.01 - 10,00 ha	1,212	1%
above 10 ha	1,658	1%
Total	192,378	100%

Source: SSO - Agricultural census 2007

Structure of used land by size

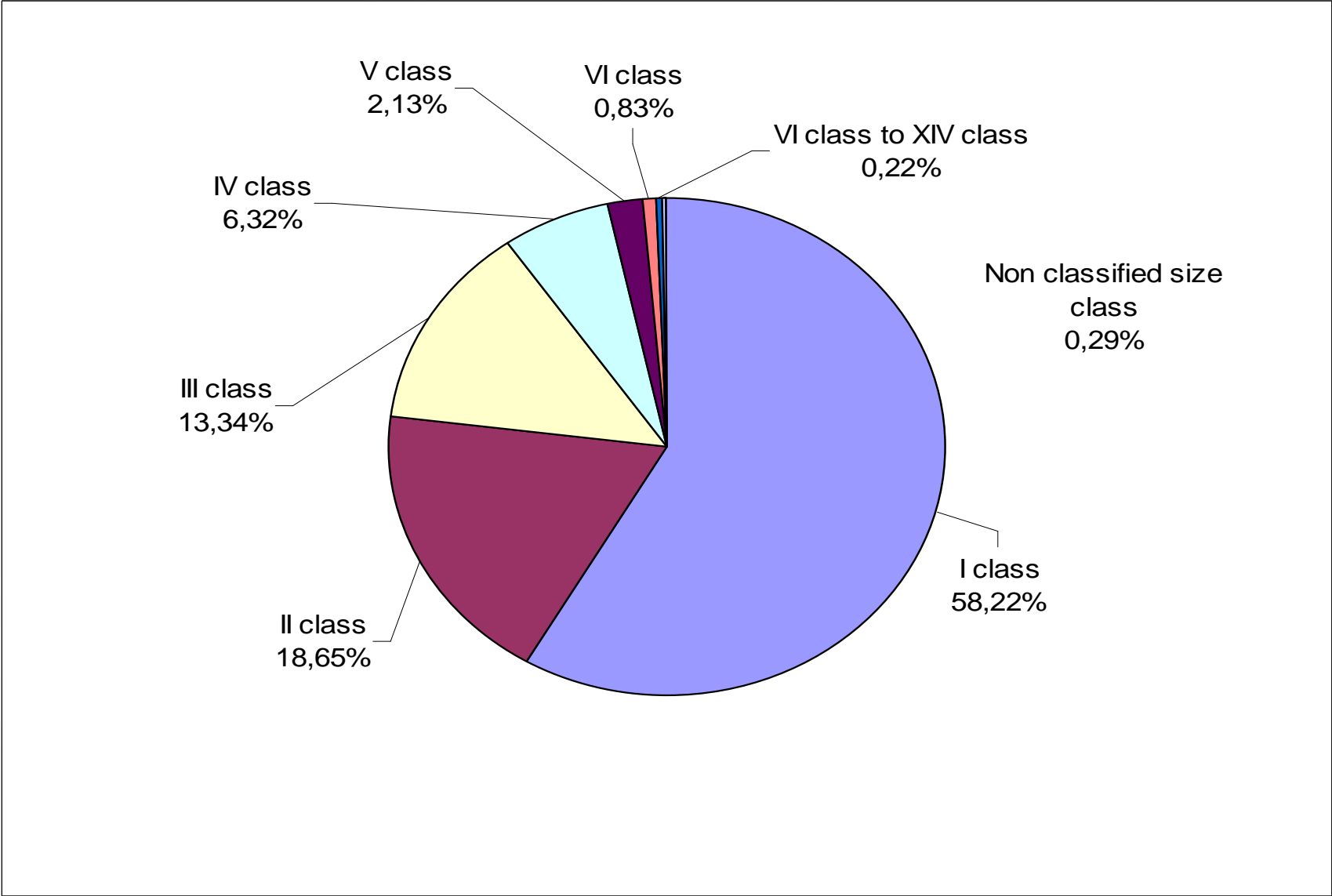
Farms	Agricultural land in ha	Percentage
to 0.50 ha	21,479	8%
0.51 - 1,00 ha	29,69	11%
1.01 - 3,00 ha	90,998	34%
3.01 - 5,00 ha	46,366	18%
5.01 - 8,00 ha	31,658	12%
8.01 - 10,00 ha	11,038	4%
above 10 ha	33,11	13%
Total	264,339	100%

Source: SSO - Agricultural census 2007

Typology of agricultural holdings

Type of farming		I class	II class	III class	IV class	V class	VI class	VI class to XIV class	Non classified size class	Total
1	Specialist field crops	36 695	3 449	1 581	344	59	40	24	-	42 192
2	Specialist horticulture	6 226	2 203	2 482	2 224	1 299	522	57	-	15 013
3	Specialist permanent crops	22 351	4 567	2 568	710	111	33	52	-	30 392
4	Specialist grazing livestock	7 419	6 799	4 948	2 922	1 298	636	177	-	24 199
5	Specialist granivores	5 324	1 202	584	353	157	81	59	-	7 760
6	Mixed cropping	15 336	4 732	3 596	1 421	281	65	25	-	25 456
7	Mixed livestock holdings	2 962	3 199	2 725	1 273	309	76	12	-	10 556
8	Mixed crops-livestock	15 868	9 783	7 221	2 922	593	142	23	-	36 552
9	Non-classified holdings	-	-	-	-	-	-	-	555	555
Total		112181	35 934	25 705	12 169	4 107	1 595	429	555	192675

Economic size classes and share



Utilized agriculture area

Utilized agriculture area

Year	Total	Family farms	Share
2004	560.000	459.000	82%
2005	546.000	463.000	85%
2006	537.000	471.000	88%
2007	526.000	466.000	89%
2008	521.000	467.000	90%

Cereals

- Cereals are a strategic agricultural product for the Republic of Macedonia. With cereals were sown 154.880 ha in 2010;

Wheat Production

Year	Total	Family farms	Share
2004	356.825	261.521	73%
2005	333.880	241.929	72%
2006	293.326	223.026	76%
2007	218.076	166.033	76%
2008	291.719	238.148	82%

Maize Production

Year	Total	Family farms	Share
2004	141.875	134.825	95%
2005	148.234	140.065	94%
2006	147.494	139.726	95%
2007	118.378	114.156	96%
2008	127.125	122.066	96%

Industrial crops - production

- From the total area under industrial crops, 83% is under tobacco and the 17% belong to sunflower;

Tobacco

Year	Total	Family farms	Share
2004	21.630	21.478	99%
2005	27.691	27.674	100%
2006	25.036	25.027	100%
2007	22.056	22.034	100%
2008	17.087	17.073	100%

Sunflower

Year	Total	Family farms	Share
2004	7.764	1.507	19%
2005	6.711	1.330	20%
2006	6.016	1.620	27%
2007	3.579	1.021	29%
2008	5.444	1.171	22%

Grape production

- Grape is traditional and important crop for Macedonia. Viticulture is the most important and strategic industry in the area of plant production , since together with vine production it contributes to around 17%-20% of the agricultural GDP

Grape production

Year	Total	Family farms	Share
2004	254.613	202.332	79%
2005	265.717	212.102	80%
2006	254.308	200.915	79%
2007	209.701	163.301	78%
2008	236.834	193.762	82%

Livestock and livestock production

- Livestock breeding (except pigs and poultry breeding) has been carried out from the family producers, whose production is mainly for their own consumption

Livestock

Year	Total	Family farms	Share
2004	283.000,00	262.000,00	93%
2005	276.000,00	257.000,00	93%
2006	286.000,00	266.000,00	93%
2007	289.000,00	267.000,00	92%
2008	289.000,00	269.000,00	93%

Livestock production

Milk production in 000 litars

Year	Total	Family farms	Share
2004	212.898	193.595	91%
2005	197.464	178.404	90%
2006	234.708	216.587	92%
2007	373.706	353.989	95%
2008	368.217	347.383	94%

Eggs production in 000 numbers

Year	Total	Family farms	Share
2004	340.007	151.255	44%
2005	339.669	151.468	45%
2006	330.546	153.550	46%
2007	321.146	142.608	44%
2008	276.398	119.012	43%

Subsidies in the Macedonian agriculture 2002/2010

Year	Total subsidies in agriculture in denars	Total subsidies in agriculture in Euros
2002	211.690.000	3.442.114
2003	204.020.000	3.317.398
2004	497.800.000	8.094.309
2005	615.600.000	10.009.756
2006	1.032.694.000	16.791.772
2007	1.050.567.000	17.082.390
2008	2.660.007.776	43.252.159
2009	3.491.069.480	56.765.357
2010	5.045.819.337	82.045.843

Problems in the Macedonian agriculture

- Migration village - town;
- Small parcels or divided parcels;
- Infrastructure;
- Small yields;
- Low prices;



Thank you for your attention

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