

STUDY CONCERNING THE AGRICULTURAL EXPLOITATION SIZE IN GORJ COUNTY

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Gorj County could be considered as representative for territorial administrative unit in South – West developing area of Romania. As a result is relevant to present the problems concerning agricultural exploitations size from Gorj County. The paper approaching matters related to the structure of total exploitations number classified by size and medium surface – according to 2006 agricultural census.

If we take a look at medium agricultural surface used in different ways of exploitation, this appear as a very different one, from 1,37 ha in shared land case to 241,53 ha fro the granted land.

Related with the regional situation, Gorj County present positive situation as far as the rented and free used units goes (an outrun of reference base of 5,34 and respective 1,07 times), while for the rest is recorded a negative situation – medium surface decreasing from 20,0 % for the land in property, to 57,76 % for other ways of land use.

Key words: *exploitation, size, way of use*

Regarding the existing situation at the Gorj County level, distinguish the predominance of private property, followed by shared property, by those used with free title and on leasing. The exploitations which hold the land other than those nominated or in long leasing are few – 39 and respective 5 units. The exploitations framed in 1-5 ha size class are prevalent, followed by the units with surface under 1 ha, while the smallest weight is meet on units who hold a surface bigger than 100 ha.

MATERIAL AND METHOD

The paper was accomplished, by field documentation at the level of Dolj Statistical Institute. The documentation included consultation of inventory book for agricultural statistical data and the selection of data as needed. Bureau phase was accomplished trough data ordering and usage – as working method – of time comparison.

RESULTS AND DISCUSSIONS

In the next table (*table 1*) is presented the structure of total agricultural exploitation number by size, at the level of Gorj County.

a. The land used by owner is characterized by a total number of 103711 exploitations, from which 50,37 % is framed in 1-5 ha size class, 44,26 % was smaller than 1 ha, 4,05 % had the size between 5 and 10 ha, 1,18 % had the size between 10 la 50 ha, 0,09 % between 50 and 100 ha, and 0,05 % overruns 100 ha (reported to it's number, the things were different: 52239, 45904, 4202, 1216, 97 and respective 53 units).

b. In granted land case, Gorj County is characterized by a total number of 5 economical agent, from which 2 have been framed to 10-50 and respective 50-100 ha size class, and only one have more than 100 ha (40,0, 40,0 and respective 20,0%).

c. If we take a look at the rented land exploitations, we find a total number of 416 units, from which the highest weight is detained by exploitations who have a surface between 1 and 5 ha – 48,80 % respective 203 units. For the rest of the size classes was recorded weights of 15,63 % (10-50 ha), 13,94 % (50-100 ha), 12,02 % (5-10 ha), 8,17 % (under 1 ha) and 1,44 % (over 100 ha) – effective values of 65, 58, 50, 34 and respective 6 exploitations.

d. Total exploitation numbers who work the in share – recorded in Gorj County – was 1611 units, distributed by size class was: 910 units at 1-5 ha size class – 56,49 %, 585 units smaller than 1 ha – 36,31 %, 73 units in 10-50 ha size class – 4,54 %, 41 units with size between 5 and 10 ha – 2,54 %, 2 units with total surface from 50 to 100 ha – 0,12 %.

e. In case of free land use, was recorded a total exploitations number of 1046, from which 78,48 % was framed in 1-5 ha size class, 14,82 % was smaller than 1 ha, 6,50 % it had the surface between 5 and 10 ha and 0,29 % varied as size between 10 and 50 ha (821, 155, 68 and respective 3 units).

f. Concerning the unit number which use the land in other ways than those previous presented, we notice the fact that at the Gorj County level was 39 exploitations, from which one was included in 5-10 ha size class, one in over 100 ha class, 4 was framed between 10 and 50 ha, 16 had the surface between 1 and 5 ha and 17 was smaller than 1 ha (2,56, 2,56, 10,26, 41,04 and respective 43,58 %).

Table 1

Gorj County The structure of total exploitation number by size class by land hold way

NO.	WAY OF LAND USE	SIZE CLASS												TOTAL	
		< 1 HA		1 -5 HA		5 -10 HA		10 -50 HA		50 -100 HA		> 100 HA		TOTAL	
		nr.	% from total	nr.	% from total	nr.	% from total	nr.	% from total	nr.	% from total	nr.	% from total	nr.	% from total
1	In propriety	45904	44,26	52239	50,37	4202	4,05	1216	1,18	97	0,09	53	0,05	103711	100
2	In lease	-	-	-	-	-	-	2	40,0	2	40,0	1	20,0	5	100
3	Rented	34	8,17	203	48,80	50	12,02	65	15,63	58	13,94	6	1,44	416	100
4	Take in part	585	36,31	910	56,49	41	2,54	73	4,54	2	0,12	-	-	1611	100
5	Free use	155	14,82	821	78,48	68	6,50	3	0,29	-	-	-	-	1046	100
6	Other ways of use	17	43,58	16	41,04	1	2,56	4	10,26	-	-	1	2,56	39	100

The following table (*table 2*) present the agricultural surface of exploitations by size classes for Gorj County.

a. The surface of land worked by the owner was 215506,94 ha, from which 50,69 % was worked through units with surfaces from 1 to 5 ha – 109235,78 ha, 18,28 % was worked by units bigger than 100 ha – 39397,88 ha, 12,44 % by exploitations with variable surfaces from 5 to 10 ha – 26816,50 ha, 8,81 % by exploitations smaller than 1 ha – 18983,33 ha, 8,47 % by units with size between 10 and 50 ha – 18245,75 ha, 1,31 % through exploitations with surface between 50 and 100 ha – 2827,88 ha.

b. For units exploited in long lease, at county level was recorded a total surface of 1207,69 ha, from which the biggest part was included in units above 100 ha (89,47 % - 1080,57 ha), followed by exploitations with surface between 50 and 100 ha (5,95 % and 71,80 ha), while the exploitations with size from 10 to 50 ha was situated on last place (4,58 % - 55,32 ha).

c. Land surfaces worked in lease was 8190,70 ha, surfaces retrievable at the level of all size classes of agricultural exploitations as followed: 11,72 ha in units smaller than 1 ha – 0,14 %, 223,21 ha for exploitations with size between 1 and 5 ha – 2,72 %, 369,12 ha for exploitations from 5 to 10 ha - 4,51 %, 964,28 ha in case of units with surface between 10 and 50 ha – 11,78 %, 3060,88 ha at units bigger than 100 ha – 37,37 % and 3561,49 ha for the exploitations with surfaces between 50 and 100 ha – 43,48 %.

d. If we refer to the land surface worked in part, this was 2203 ha, inside of whom was registered weights of 4,60 % for units from 50 to 100 ha – 101,39 ha, 5,32 % for exploitations from 5 to 10 ha – 116,92 ha, 8,47 % in case of exploitations smaller than 1 ha – 186,64 ha, 31,12 % for exploitations with surface between 10 and 50 ha – 685,68 ha and 50,49 % in case of units with surface between 1 and 5 ha – 1112,37 ha.

e. Land surfaces with free use for Gorj County recorded a total of 2207,5 ha, from which 16,77 ha was framed from 10 to 50 ha – 0,76 %, 57,43 ha was recorded at the level of exploitations smaller than 1 ha – 57,43 ha, 439,17 ha was framed in 5-10 ha size class – 19,89 %, and the rest of 1694,13 ha is retrievable at the level of exploitations with size between 1 and 5 ha – 76,75 %.

f. For other way of using the land was registered a total of 145,66 ha, with the following weights: 4,39 % for class 5-10 ha – 6,40 ha, 8,50 % for exploitations smaller than 1 ha – 12,38 ha, 8,86 % at the level of units framed from 1 to 5 ha – 12,91 ha, 19,89 % for exploitations between 10 and 50 ha – 28,98 ha and 58,35 % at the level of exploitations bigger than de 100 ha – 85 ha.

Table 2

Gorj County Agricultural exploitations surface by size, by holding land way

NO.	WAY OF LAND USE	SIZE CLASS												TOTAL	
		< 1 HA		1 -5 HA		5 -10 HA		10 -50 HA		50 -100 HA		> 100 HA		Ha.	% from total
		Ha.	% from total	Ha.	% from total	Ha.	% from total	Ha.	% from total	Ha.	% from total	Ha.	% from total		
1	In propriety	18983,33	8,81	109235,78	50,69	26816,50	12,44	18245,75	8,47	2827,88	1,31	39397,88	18,28	215506,94	100
2	In lease	-	-	-	-	-	-	55,32	4,58	71,80	5,95	1080,57	89,47	1207,69	100
3	Rented	11,72	0,14	223,21	2,72	369,12	4,51	964,28	11,78	3561,49	43,48	3060,88	37,37	8190,70	100
4	Take in part	186,64	8,47	1112,37	50,49	116,92	5,32	685,68	31,12	101,39	4,60	-	-	2203,0	100
5	Free use	57,43	2,60	1694,13	76,75	439,17	19,89	16,77	0,76	-	-	-	-	2207,5	100
6	Other ways of use	12,38	8,50	12,91	8,86	6,40	4,39	28,98	19,89	-	-	85,0	58,35	145,66	100

In *table 3* is presented the average surface used by agricultural exploitations type, ordered by size classes.

Table 3

Gorj County Medium surface used (ha) of agricultural exploitations by size classes

No.	WAY OF LAND USE	SIZE CLASS						AVERAGE
		< 1 HA	1-5 HA	5-10 HA	10-50 HA	50-100 HA	> 100 HA	
1	In propriety	0,41	2,09	6,38	15,0	29,15	743,36	2,08
2	In lease	-	-	-	27,66	35,90	1080,57	241,53
3	Rented	0,34	1,10	7,38	14,83	61,41	510,15	19,69
4	Take in part	0,32	1,22	2,85	9,39	50,70	-	1,37
5	Free use	0,37	2,06	6,45	5,59	-	-	2,11
6	Other ways of use	0,72	0,81	6,40	7,25	-	85,0	3,73

For exploitations smaller than 1 ha, it could see the fact that the biggest surface used appear at the level of other ways of land use – 0,72 ha, while the rest of it have values smaller than half a hectare – 0,41 ha at the owner, 0,37 ha at free use of land, 0,34 ha long rented one and 0,32 ha land tacked in part.

At size class 1-5 ha medium used surfaces – on exploitations – vary from 0,81 ha for other ways of land use to 2,09 ha at the level of the owners (values close to that – 2,06 ha being used for free).

The exploitations with size between 5 and 10 ha is characterized by used surfaces from 2,85 ha in case of land worked in part to 7,38 ha at the level of landholder. If for this size class there are no long lease units, we may say that in rest, owner, other ways, free use, the situation is pretty acceptable, medium surface being 6,38, 6,40 and 6,45 ha.

Concerning the situations existed at the level of 10-50 ha size class, it could see the unlikely situation for free use of land, other ways of land use and the land taking in part (5,59, 7,25 and 9,39 ha), and the convenience situation at the level of land holders, owners and concessionaire – 14,83, 15,0 and respective 27,66 %.

Units which are framed – as surface – between 50 and 100 ha are characterized by medium used surfaces of 29,15 ha in case of owners, 35,90 ha in concessionaire case, 50,70 ha in the land taking in part case and 61,41 ha at the level of land holders.

The last size class of agricultural exploitations (over 100 ha), distinguish the orientation to big and bigger exploitations – 510,15 ha for land holders, 743,36 ha for owners and 1080,57 ha for concessionaires. The exception is represented by the land used in other ways, in this case the medium surface used was 85 ha.

At the Gorj County level, medium surface used by way of use is characterized by smaller levels in case of the land worked in part, for owners, for free use land, for other ways of use and even in land hold case (1,37, 2,08, 2,11,

3,73 and respective 19,69 ha), while for the concessionaires the surface used is 241,53 ha.

CONCLUSIONS

Beside the situation existing at regional level, Gorj County hold 17,90 % from exploitations worked by owners, 13,18 % from the land holder ones, 12,70 % from those tacked in part, 11,08 % from those used free;

The surface of agricultural exploitations from Gorj County placed on the first position the owners – 215506,94 ha, followed by the land holders – 8190,70 ha, the free users – 2207,5 ha, and concessionaires – 1207,69 ha;

If we refer to the medium surface used by different types of agricultural exploitations, it's recorded a variable one from 1,37 ha in case of land used in part to 241,53 ha in case of long leased land;

In comparison with the regional situation, Gorj County present positive situations regarding the size of long leased units and of free used units (outruns of the reference base with 5,34 and respective 1,07 times), while for the rest are recorded negative aspects– decreasing of medium surfaces used from 20,0 % in case of own lands to 57,76 % for the land used in other ways.

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