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Conference Paper

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Provided in Cooperation with:
The Research Institute for Agriculture Economy and Rural Development (ICEADR), Bucharest

Suggested Citation: Micu, Marius Mihal; Tudor, Valentina (2012) : Vision analysis of arges county farmers intend to associate and for what purpose, In: Agrarian Economy and Rural Development - Realities and Perspectives for Romania. 3rd Edition of the International Symposium, October 2012, Bucharest, The Research Institute for Agricultural Economy and Rural Development (ICEADR), Bucharest, pp. 232-239

This Version is available at:
https://hdl.handle.net/10419/76871

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VISION ANALYSIS OF ARGES COUNTY FARMERS INTEND TO ASSOCIATE AND FOR WHAT PURPOSE

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Abstract:
This paper aims to present an outlook for agriculture in terms of vision Arges county farmers. This paper will disseminate only part of the information obtained using two types of questionnaires in Arges county. The first questionnaire was applied farm representatives with legal form and the individual holdings without legal form and the second was applied forms of association representatives. The first purpose of applying the questionnaire was to identify opinion of farmers depending on the legal form of its intention to join, a second purpose is why farmers were intending to associate Taking into account the legal form of holdings and landform located where to be found, also sought the opinion of farmers on possible advantages they can get through their association. Observe farmers desire to enter into a form of association (85%), the existence of associations representing an important milestone in the growth of production and hence the profitability of farms and for which evidence is to supply. Analyzing parallel views of farmers, the benefits that you can get for joint association forms and forms of association presidents opinion on the benefits that farmers can get them in combination, it is found that in both cases the flagship advantage is the increased ability to promote products.

Key words: *association, forms of association, agricultural producers, questionnaire, Arges county*

INTRODUCTION

Association Agriculture is an area where the association was and is perhaps more necessary than in any other field of human activity, isolated farmer feels almost powerless, based on this premise we can say that the base lies the necessity mutual aid association.

The agricultural market are disadvantaged individual producers with small manufacturers who do not have the possibility of knowing enough information to raise the level of market demand.

These small producers can not have any influence on the market due to the existence of competitive producers who takes over. Market economy leads to tough competition, farmers association is a form that aims to improve the competitiveness of farmers associates.

In general associations of farmers are made to sell the fruits obtained from farms affordable for a higher profit, or to purchase agricultural machinery more profitable prices. The advantage is that the association market oriented agricultural protects competition and affect prices of agricultural products and services which cannot insulate small farmers. Globally there is a trend of concentration of agricultural production to meet the new production technologies. This concentration of production is manifested in two ways: through free association of producers of agricultural and cooperative development of large enterprises. Compared to this, the paper aims at analyzing farmers' intention to associate Arges county, the factors that determine and impact on farmers.

In data collection have taken into account: relief areas (plains, hills and mountains), and the legal personality (individual holdings and holdings of legal form). Of this was taken into account in interpreting statistical data collected from different sources of information, in conjunction with theoretical analysis which allowed farmers pragmatic vision of perspective to join in the near or distant future. This vision could be captured through the application of two types of questionnaires, one for managers association forms existing in Arges county, and other agricultural producers as potential cooperative members.

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MATERIAL AND METHOD

Questionnaire (***Questionnaire A, Questionnaire B***) were applied during July to November 2011 in 34 of the 95 common as Arges county totals after relief form prevalent in the villages lies questionnaires were applied:

- in 17 communes in the plains of the 32 communes that are located in the lowlands of Arges county;
- in 14 communes in the hilly region of the 53 communes in the hilly ranges of Arges county;
- in 3 communes in the mountains, in the 10 communes in mountain ranges of Arges county.

Data from the questionnaires were collected from July to November 2011, the 34 joint total of 125 respondents.

For ***questionnaire A***, people were interviewed for associations representatives from Arges County.

The questionnaire applied was well structured and is divided into 8 parts, relevant, containing 53 questions.

It was applied in communities where the questionnaire was implemented and B, which were identified common forms of association, a total of the number of 25 questionnaires forms of association Arges County.

For ***questionnaire B***, people were interviewed representatives of both the legal form of farms and individual holdings without legal form.

In each commune were applied by 3 questionnaires (if applicable), a total of the number of 100 questionnaires farm in the county of Arges.

The questionnaire applied was well structured and is divided into 8 parts, relevant, containing 56 questions.

To establish the statistical significance of the data collected by questionnaire Chi-square test was used, which involves checking the hypothesis of association between: a questionnaire responses to a question alternatives and verification of a particular set of data that can follow a known statistical distribution. The socio-economic problems after the composition is applied to contingency tables in which data are categorized by one, two or more variables of segmentation (Michael, N.V.)(4).

This test allows to highlight the existence / non-existence of a link between under collectivities association created segmentation variables studied.

Since the Chi-square test expression is obtained from observations that is a statistic and so there is a parameter, so is also called non-parametric statistical test or distribution free test, ie a test that does not depend on the form of the initial law base (Iosifescu, M., 1985) (1).

Chi-square formula (χ_2)(*Sava F.A., 2002)(5*):

$$\chi^2 = \sum \frac{(O-E)^2}{E}$$

where: - O = observed frequency;
- E = Expect frequency.

RESULT AND DISCUSSIONS

From table no. 1. farmers clear desire to engage in a form of association, 85% of the association representing a milestone in increasing farm production and profitability;

Interesting, however, Presidents of the associative perception compared with farmers opinion. When asked "Agricultural producers are hesitant when it comes to unite in a form of association?" Presidents interviewed considered that reluctant farmers a rate of 72% (Table no. 2.).

Table no. 1 Structure farmers opinion on entry into a form of association to increase farm production and profitability

Following legal personality	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Holding with legal form	No.	29	9	38	38%
Individual farm	No.	56	6	62	62%
Total	No.	85	15	100	100%
	%	85%	15%	100%	
Chi-Square =	3.63	Critical Value =	3.84		
Degrees of freedom (df) =	1	Probability level =	0.05		

Source: Data processing by*: ,,*Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);

Table no. 2. Structure opinion association presidents forms on entry in a form of association for farmers to increase production and farm profitability

	U.M.	Yes	Not	Total	
		No.	No.	No.	%
Agricultural producers are hesitant when it comes to unite in a form of association?"	Nr.	18	7	25	
	%	72%	28%		100

Source: Data processing by: ,,Questionnaire forms of association in Arges County'' (Micu M.M., 2011) (2);

Table no. 3. Structure farmer's opinion on the purpose of entering into a form of association to increase farm production and profitability, according to legal form

Supply					
Following legal personality	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Holding with legal form	No.	30	8	38	38
Individual farm	No.	33	29	62	62
Total	No.	63	37	100	
	%	63	37		100
Chi-Square =	5.63	Critical Value =	3.84		
Degrees of freedom (df) =	1	Probability level =	0.05		
Production					
Following legal personality	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Holding with legal form	No.	20	18	38	38
Individual farm	No.	46	16	62	62
Total	No.	66	34	100	
	%	66	34		100
Chi-Square =	3.97	Critical Value =	3.84		
Degrees of freedom (df) =	1	Probability level =	0.05		
Commercialization					
Following legal personality	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Holding with legal form	No.	29	9	38	38
Individual farm	No.	43	19	62	62
Total	No.	72	28	100	
	%	72	28		100
Chi-Square =	0.27	Critical Value =	3.84		
Degrees of freedom (df) =	1	Probability level =	0.05		

Source: Data processing by*: ,,*Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);

Analyzing the structure of farmers' opinion on the purpose of entering into a form of association to increase farm production and profitability, according to the legal form (Table no. 3.) and landform (Table no. 4.) observed the following:

- as to supply 63% of respondents answered "yes", almost equally: 30% holdings with legal form and 33% individual holdings, 38% of which are located in the lowlands;
- order after production, 66% of respondents answered "yes" individual holdings manufacturers considering this effect more obvious 46%;
- after commercialization purposes, 72% of respondents answered "yes", all individual holdings manufacturers considering this effect more obvious 43%.

After statistical testing on the goals of the association of agricultural producers enter into a form of association to increase farm production and profitability given type, we find the following:

- the supply intended to enter into a form of association depending on the legal form of farms analyzed, it is found that there is a significant association between intention to enter into a form of association depending on the legal form of the problem analyzed (Chi -Square = 5.63, critical value = 3.84 at a probability <0.05), we see that the largest distribution of respondents who intend to enter into a form of association aimed supplies are recorded at individual farm level (33 respondents) (Table no. 3.);
- on production intended to enter into a form of association depending on the legal form of farms analyzed, it is found that there is a significant association between intention to enter into a form of association depending on the legal form problem analyzed (Chi - Square = 3.97, critical value = 3.84 at a probability <0.05), we see that the largest distribution of respondents who intend to enter into a form of association with the aim of production is at the level of individual farms (66 respondents) (Table no. 3.).

Table no. 4. Structure farmers opinion on the purpose of entering into a form of association to increase farm production and profitability, according to landform

Supply					
By landform	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Plain	No.	38	13	51	51
Hill	No.	15	23	38	38
Mountain	No.	10	1	11	11
Total	No.	63	37	100	
	%	63	37		100%
Chi-Square =	15.6	Critical Value =	5.99		
Degrees of freedom (df) =	2	Probability level =	0.05		
Production					
By landform	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Plain	No.	28	23	51	51
Hill	No.	30	8	38	38
Mountain	No.	8	3	11	11
Total	No.	66	34	100	
	%	66	34		100
Chi-Square =	5.86	Critical Value =	5.99		
Degrees of freedom (df) =	2	Probability level =	0.05		
Commercialization					
By landform	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
Plain	No.	37	14	51	51
Hill	No.	26	12	38	38
Mountain	No.	9	2	11	11
Total	No.	72	28	100	
	%	72	28		100
Chi-Square =	0.78	Critical Value =	5.99		
Degrees of freedom (df) =	2	Probability level =	0.05		

Source: Data processing by*:* Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);

After statistical testing on the goals of the association of agricultural producers enter into a form of association to increase farm production and profitability given where found landform located holdings held by respondents, we find the following:

- on supply intended to enter into a form of association considering where found landform located farms analyzed, it is found that there is a significant association between intention to enter into a form of association given the form of relief on the issues involved (Chi-square = 15.6, critical value = 5.99 at a probability <0.05), we see that the largest distribution of respondents who intend to enter into a form of association with the aim of supplying is in the lowlands (38 respondents) (Table no. 4.)
- on production intended to enter into a form of association considering where found landform located farms analyzed, it is found that there is a significant association between intention to enter into a form of association Given the form relief on the issue under examination (chi-square = 5.86, critical value = 5.99 at a probability <0.05) (Table no. 4.)
- for commercialization purpose to enter into a form of association considering where found landform located farms analyzed, it is found that there is a significant association between intention to enter into a form of association Given the form relief on the issue under examination (chi-square = 0.78, critical value = 5.99 at a probability <0.05) (Table no. 4.)

Table no. 5. Structure opinion on whether farmers benefit in a form of association to increase farm production and profitability

By size class					
Specification	Unite Size	Yes	Not	Total	
		No.	No.	No.	%
<1 ha	No.	3	0	3	3
1-5 ha	No.	11	0	11	11
5-10 ha	No.	13	0	13	13
10-20 ha	No.	17	0	17	17
20-50 ha	No.	21	2	23	23
50-100 ha	No.	10	0	10	10
100-150 ha	No.	7	0	7	7
150-200 ha	No.	3	0	3	3
>200 ha	No.	8	5	13	13
Total	No.	93	7	100	
	%	93	7		100
Chi-Square =	24.68	Critical Value =	15.51		
Degrees of freedom (df) =	8	Probability level =	0.05		

Source: Data processing by*:* Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);

Analyzing questionnaire B is remarkable to note that 93% of producers surveyed considered that there would be advantages if a form of association, only 7% of irrelevant considering this association. Of the 7% most are owners of operational holdings with areas over 150 hectares (Table no. 4.5.).

The statistical test of association (chi-square = 24.68, = 15.51 Critical value at a probability <0.05) the existence of benefits in a form of association by size class of holdings held by respondents, we find that there is a significant association between respondents' opinion based on problem size classes analyzed, we see that most respondents considering distribution of benefits is a form of association is found at farm level holding between 20-50 ha (21 respondents) (Table no. 4.5.).

Analyzing questionnaire B is remarkable to note that 93% of producers surveyed considered that there would be advantages if a form of association, only 7% of irrelevant considering this association. Of the 7% most are owners of operational holdings with areas over 150 hectares (Table no. 6.).

Table no. 6. Structure opinion on whether farmers benefit in a form of association to increase farm production and profitability

By size class					
Specification	Unite Size	Yes	Not	Total	
		No.	No.	No.	No.
<1 ha	No.	3	0	3	3
1-5 ha	No.	11	0	11	11
5-10 ha	No.	13	0	13	13
10-20 ha	No.	17	0	17	17
20-50 ha	No.	21	2	23	23
50-100 ha	No.	10	0	10	10
100-150 ha	No.	7	0	7	7
150-200 ha	No.	3	0	3	3
>200 ha	No.	8	5	13	13
Total	No.	93	7	100	
	%	93	7		100
Chi-Square =	24.68	Critical Value =	15.51		
Degrees of freedom (df) =	8	Probability level =	0.05		

Source: Data processing by*: ,,*Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);

The statistical test of association (chi-square = 24.68, = 15.51 Critical value at a probability <0.05) the existence of benefits in a form of association by size class of holdings held by respondents, we find that there is a significant association between respondents' opinion based on problem size classes analyzed, we see that most respondents considering distribution of benefits is a form of association is found at farm level holding between 20-50 ha (21 respondents) (Table no. 6.).

Table no. 7. Structure farmer's awareness about the benefits that can be obtained when combining farmers in forms of association

	Grades according to the extent considered								
	1	2	3	4	5	6	7	8	Total
Reducing production expenses	31	17	7	14	10	3	6	12	100
Increasing chances of bank borrowing	6	24	10	16	11	14	4	15	100
Increasing chances of obtaining a grant from European funds	11	13	30	8	12	9	11	6	100
Increasing competitiveness itself through application of advanced technologies	15	2	15	32	10	9	10	7	100
Proper dosage production according to demand	2	6	14	8	36	14	12	8	100
Increase communication both between farmers, members of the association, and between farmers and others	10	5	6	4	14	29	10	22	100
Increased capacity to negotiate the procurement of goods or services, and the development of products	8	20	9	8	5	15	29	6	100
Increased capacity to promote products	6	7	3	11	10	10	21	32	100

Source: Data processing by*: ,,*Questionnaire on farmers association in Arges County*''* (Micu M.M., 2011) (1);
Note: There are advantages numbered 1-8 in the order that they considered that they may have by association;

Analyzing parallel views of farmers (Table no. 7.) On the advantages can be obtained when combining the forms of association and opinion Association Presidents forms (Table no. 8.) The benefits the farmers can get when combining shows that in both cases the advantage is representative capacity building to promote products.

Table no. 8. Presidents of the associative structure of opinion on the advantages they can get farmers in combination

	Grades according to the extent considered								
	1	2	3	4	5	6	7	8	Total
Reducing production expenses	8	3	1	3	2	1	2	5	25
Increasing chances of bank borrowing	5	3	4	2	4	2	1	4	25
Increasing chances of obtaining a grant from European funds	2	5	7	4	2	2	1	2	25
Increasing competitiveness itself through application of advanced technologies	2	1	6	6	5	2	2	1	25
Proper dosage production according to demand	1	4	2	4	2	5	6	1	25
Increase communication both between farmers, members of the association, and between farmers and others	1	3	1	3	7	7	1	2	25
Increased capacity to negotiate the procurement of goods or services, and the development of products	2	3	2	5	3	1	7	2	25
Increased capacity to promote products	1	1	1	1	3	5	4	9	25

Source: Data processing by: „ Questionnaire forms of association in Arges County'' (Micu M.M., 2011) (2);
Note: There are advantages numbered 1-8 in the order that they considered that they may have by association;

CONCLUSIONS

- Observe farmers desire to enter into a form of association (85%), the existence of associations representing an important milestone in increasing production and farm profitability;
- Presidents of the associative perception according compared with farmers wish to join, is different from that of the producers. When asked "Agricultural producers are hesitant when it comes to unite in a form of association?" Presidents interviewed considered that reluctant farmers a rate of 72%;
- Analyzing the structure of farmers' opinion, the purpose of entering into a form of association to increase farm production and profitability, according to legal form and landform is noted that:
    - as to supply 63% of respondents answered "yes", almost equally (30% holdings with legal form and individual holdings 33%), 38% of which are located in the lowlands.
    - as for production, 66% of respondents answered "yes" individual holdings manufacturers considering this effect more obvious 46% and
    - for commercialization purposes, 72% of respondents answered "yes", all individual holdings manufacturers considering this effect more obvious 43%;
- Regarding product supply as reasons to enter into a form of association, depending on the legal form and landform is found that there is a significant association. The greatest distribution of respondents who intend to enter into a form of association aimed sourcing and production and record the individual holdings and farms are found in the lowlands;
- Most of the producers interviewed (93%) believes that there are advantages if they would be in a form of association, and only 7% of them consider irrelevant the combination. Of the 7% most surfaces are owners of operational holdings above 150 hectares;
- The statistical test of association, the existence of benefits in a form of association, by size class of holdings held by respondents, it appears that there is a significant association between respondents' opinion based on problem size classes analyzed, and observe that largest distribution of respondents who believe that there are advantages in a form of association is holding found at farm level between 20-50 ha;
- Analyzing parallel views of farmers, the benefits that you can get for joint association forms and forms of association presidents opinion on the benefits that farmers can get them in combination, it is found that in both cases the flagship advantage is the increased ability to promote products.

ACKNOWLEDGEMENTS

This article was developed by the project ,,Grants to improve the quality of doctoral young researchers in agronomy and veterinary medicine''(code agreement POSDRU /88/1.5/ S/52614), co-funded by European Social Fund Operational Programme Human Resources Development 2007-2013, coordinated by the University of Agronomic Sciences and Veterinary Medicine Bucharest.

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