

## THE STRUCTURE OF ANIMAL-VEGETABLE PRODUCTION OF THE CROPS IN BIHOR COUNTY

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### **Abstract**

*This paper examines the agricultural production structure, as well as the vegetable one as for the animal one, in Bihor county, taking in consideration as a period of study the years between 1970 and 2005. We used in this paper, as a method of research the comparative analysis and by the results obtained we can affirm that in this period of time, the agricultural production has grown, but if at the beginning of the period the vegetable production was smaller than the animal one, at the end of the analysed period, the proportion has changed, the vegetable production overtaking the animal one.*

**Key words:** agricultural production, vegetable production, animal production

### **INTRODUCTION**

Agriculture represents in the national economy ensemble one of the most important branches, intended to participate in a great measure at the revival of our country economical grow. It is necessary to happen fundamental changes in the agrarian structure, in the technical-material base, in farm's management, which could be able to ensure the practice of a modern agriculture and its registration on the general strategy of handovering the whole Romanian economy to the market economy.

The agricultural production full and by, it appears as a resultant of some complex processes of changing a great part of some substances and forms of energy (solar, chemical, biochemical, fossil, etc.) through the living organism of the plants and animals, under the impact of the natural factors, of the financial and material resources, of work, in some specific material goods. The character of biological branch of the agriculture, makes the development of the plants and animals, in some natural or artificial production environments, to be a more complex issue than any other branch

of the material production. The forward of the agricultural production process is a very complicated activity, which is differentiated based on the location where the production zone is and the agricultural process is happening.

## MATERIAL AND METHODS

In this study we realised a comparative analysis, which is part of statistical research domain, which can provide some important information and which realises linear primnesses and typological classifications in time and territorial profile.

It was analysed the existing situation in the year 1970 and the evolution of the agricultural production for the whole period from this time till year 2005.

## RESULTS AND DISCUSSIONS

Analysing the structure of the agricultural production we can observe that the vegetable production has a greater weight than the animal one, as well at the national level as at regional level and in the Bihor county. This weight increased between year 1970 and year 2005 in all the counties of the region and in Bihor county has increased by 12 times for vegetable production as we can see in *Table no.1* and 6 times for animal production. In the same period of time the weight of the vegetable production has increased from 48,2% to 66,9%, while the animal production decreased from 51,8% to 32,7% as we can see in *Table no 2*

*Table 1*

Agricultural production in Bihor county in years 1970-2005

Indicators denomination	1970	1980	1990	1995	2000	2005
Total agricultural production of which:	2.414	4.429	7.879	764.809	4.618.660	1.574.790
Vegetable	1.164	2.020	4.371	437.286	2.659.214	879.070

Animal	1.250	2.409	3.508	327.523	1.959.446	686.317
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Period 1970-2000 - in billions lei ROL;

Year 2005 - in thous. lei RON.

Source: INS, Bihor Statistical Direction

*Table 2*

The structure of agricultural production in Bihor county in years 1970-2005

Indicators denomination	1970	1980	1990	1995	2000	2005
<b>Total agricultural production of which:</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>	<b>100,0</b>
Vegetable	48,2	45,6	55,5	57,1	57,6	55,8
Animal	51,8	54,4	44,5	42,9	42,4	43,6

Source: INS, Bihor Statistical Direction

In the North-West Region (North Transilvania) the maize crop represents the greatest part of the cropped surface from Bihor county and it has grown in 1990-2003 period of time. The wheat crop represents an important proportion too from the total cropped surface but it dealt with great fluctuations achieving minimum values in the year 1992 and 1999, decreasing half part in year 2003 compared with 1990 . The surface cropped with sunflower and potatoes has increased in the whole period.

*Table 3*

The production of the main agricultural products per habitant in Bihor county in year 1970-2005

Indicators denomination	UM	1980	1990	1995	2000	2005
Cereals grains from which:	Kg	732	761	996	418	1137
Wheat	Kg	301	331	442	151	395
Rye	Kg	302	301	440	243	13
Sunflower	Kg	4	8	27	22	70
Sweet corn	Kg	319	198	169	47	69
Potatoes	Kg	128	167	173	152	225
Vegetables	Kg	138	144	143	97	135
Fruits	Kg	93	97	39	62	76
Meat - alive	Kg	139	88	107	72	72
Milk	Litres	257	191	307	271	395
Wool	Kg	3	3	1	0,4	0,8
Eggs	piece	317	395	227	259	624

Source: INS, Bihor Statistical Direction

As we can observe in *Table no. 3*, the potatoes , sunflower crop and milk production had an increasing evolution in Bihor county .Great fluctuation we can observe in 1990-2005 period of time at the wheat , rye and sweet corn crop.

## CONCLUSIONS

The analysis of the topical situation in the agriculture of Bihor county , shows that this one is appropriate with the general development of the agriculture and rural environment from the whole country.This fact indicates the need to speed up the reorganization and modernization processes in agriculture and rural development, in order to ensure a durable economical development of the rural environment , and with a certain purpose of dissaperance of the disparities between rural and urban.

## REFERENCES

1. Baldock, D., Cooper, T., Hart, K. and M. Farmer (2008), "Preparing for a New Era in EU Agricultural Policy," Institute for European Environmental Policy, London.
2. Bureau, JC and L. Mahe (2008), "*CAP Reform Beyond 2013: An Idea for a Longer View*," Notre Europe, Paris
3. Merce, E., F. Urs, C.C.Merce, 2001, Statistics, AcademicPres Ed., Cluj-Napoca
4. Swinnen, J. and P. Ciaian (2008), "Growth, Competitiveness and Convergence in Romanian Agriculture", Paper presented at the World Bank Conference on "Growth, Competitiveness and Real Income Convergence", Bucharest, April 21-22, 2008
5. 2007 Romanian Statistical Yearbook
6. The regional development plan for the North-West Region( North Transilvania)2007-2013
7. [www.cjbihor.ro](http://www.cjbihor.ro)
8. [www.insse.ro](http://www.insse.ro)
9. [www.mmediu.ro](http://www.mmediu.ro)
10. <http://www.nord-vest.ro>