

## RESEARCH ON CONTRIBUTION OF AGRICULTURE TO ECONOMIC GROWTH OF THE NORTH-WEST REGION

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### Abstract

*For Romania, the regional development policy is a relatively new concept. Regional development, by its magnitude, includes several fields, making many institutions are involved in the development and implementation. Using multi-criteria method was attempted an analysis of the level of agricultural development and North-West agricultural sector contribution to economic growth in the region.*

**Key words:** regional development policy, rank acreage, agriculture.

### INTRODUCTION

Regional development policy aims to reduce economic and social disparities between different regions of Europe, acting on significant areas for development, economic growth, agriculture, urban development, environmental protection, employment and training, education. In this context, an analysis of the level of agricultural development of North-West has been made.

### MATERIAL AND METHOD

A SWOT analysis of the region was made and then a simplified method for multi-criteria analysis was used in order to determine the stage of agricultural development of North-West region. The method allows quantification of the state of an economic process according to its real parameters of developing, which are expressed through a variety of specific technical and economic indicators, backed by the data and information of a qualitative nature.

### RESULTS AND DISCUSSIONS

In North-West region were cultivated 958,200 hectares, 13.7% less than the regional average. Comparing the acreage in the North-West with those of regional media have highlighted the following main aspects:

Rank acreage in the North-West from barley, potatoes and vegetables were above the regional average, 77.4% higher for potatoes, 9.4% in barley and 4.3% for vegetables;

In other cultures considered, ranking acreage in the North-West was below the regional average; acreage situation in the North-West, compared to the regional average, was as follows: they cultivated 559,000 hectares of cereal grain, 19.3% less than the regional average, sugar beet were cultivated on 4400 hectares, with 22.0% less, with corn were seeded 310,600 acres (22.4% more less), with wheat and rye were cultivated 138,300 hectares, 36.7% below average, with plants that oil and sunflower acreage in the North-West totalled 65.7 and 61.7 th. hectares, being with 61.9% and 58.5% below average respectively. NAG established group of indicators considered for analysis of North-Western cultures structure is 3., a level which is 24.8% below the regional (5203).

Table.1.

Cultivated area in Northwest Region								
	MU	Area		Average		K	Area (R1)*K	Average (R2)*K
		Area	Rank (R1)	Area	Rank (R2)			
Cultivated area	Ha	958166.0	3	1110073.38	5	6	18	30
Cereals for grains	Ha	559019.0	3	692727.13	4	6	18	24
Wheat and rye	Ha	138347.0	3	218503.63	5	6	18	30
Barleycorn, two-row	Ha	45057.0	5	41196.25	4	6	30	24
barleycorn	Ha	310557.0	3	399947.88	5	5	15	25
Corn	Ha	65657.0	3	172141.50	7	6	18	42
Oily plants	Ha	61673.0	3	148504.63	7	6	18	42
- Sunflower	Ha	4408.0	4	5649.00	5	6	24	30
Sugar beet	Ha							
Potatoes	Ha	62531.0	7	35255.88	6	6	42	36
Vegetables	Ha	31549.0	5	30235.88	4	6	30	24
Aggregated regional note						59	231	307
							3.915	5.203

Aggregate grapes, sunflower, maize and cereal grains were below the regional average of the total vegetable production related to these crops (to -56.3% in grapes, with -47.4% for sunflower, with -11.1% of maize, with -2.0% in cereal grains). Over the regional average stood wheat and rye crops (by 15.1%), barley and barley (by 16.2%), fruit (by 48.2%), sugar beet (by 50%) and potatoes (by 75.3%). NAG obtained for

total crop production in the North-West is 5.556 and is similar to the regional average of indicators related to this group.

Table 2

**Total vegetal production in Northwest Region**

	MU	Region		Average		K	Region (R1)*K	Average (R2)*K
		Quantity	Rank (R1)	Quantity	Rank (R2)			
Cereals for grains:	Tones	1588660.0	3	1620550.50	4	6	18	24
- Wheat and rye	Tones	359244.0	7	312051.25	5	6	42	30
- Barleycorn, two-row	Tones	78533.0	7	67606.13	6	6	42	36
barleycorn	Tones	1064315.0	4	1197123.13	5	6	24	30
- Corn grains	Tones	99044.0	3	188299.75	7	6	18	42
Sunflower	Tones	143364.0	7	95559.38	6	6	42	36
Sugar beet	Tones	865066.0	7	493397.13	6	6	42	36
Potatoes	Tones	58937.0	4	134748.25	6	6	24	36
Apples	Tones	386859.0	8	261063.25	5	6	48	30
Fruits								
Aggregated regional note						54	300 5.556	300 5.556

## CONCLUSIONS

Although regional agriculture gives only 7.4% to the gross domestic product, for the North-West region the overall efficiency estimator of the agricultural sector is 6.326 and ranks the higher place between development regions (rank 9) and is 26.2% higher compared to the average regional level.

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