

## THE AGRICULTURAL SYSTEM FROM THE CHIȘINEU CRIȘ LOCALITY AREA, ARAD COUNTY

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### **Abstract.**

*Situated on the inferior stream of the Crișul Alb river, the town's name originates in the name of the river, which springs in the Brad area. The Chișineu Criș town is situated in the plain between Crișul Alb and Crișul Negru at a distance of 42km from the city of Arad and 72km from the city of Oradea. As far as its location in Europe is concerned, our town is integrant of Romania, it is a part of Eastern Europe, generally considered a plain-buffer between the Criș rivers and Țara Zărandului. The locality fully benefits from the soil resources obtaining high quality and quantity harvests, a large part of the active population working in agriculture. Productions obtained as a result of vegetable cultivation insure a decent living, but a high cost mirrored by the working hours. The agricultural profile societies from the area offer a lot of jobs in the area. Governmental programmes which support agriculture also positively influence the Chișineu Criș area economy. The agricultural system from the Chișineu Criș locality area is an agricultural one, with weak agri-zootechnical influences, due to the reduced number of animals. The technical-material conditions represented by mechanization and chemicalization, indicates the fact that Romania is a long way behind other countries (10 tractors/1000 ha, 50 kg fertilizer/ha);*

**Key words:** agriculture, systems, land, crop, Chisineu Cris

### **INTRODUCTION**

One of the most important cities of Arad, Chișineu Cris is where history and culture blend harmoniously with economic and social development. since ancient times, there was no real tradition of putting value on human values in terms of socio-cultural. And this is primarily due to people who besides hospitality always give evidence and that are known, are proud to speak of the wonderful place. Another important aspect is the economic, Chișineu Cris encountering strong growth in this industry since 1989. Many investments (domestic and foreign) companies that have opened offices in the city are only one aspect of the prosperity of this area.

Cris Chișineu city is located in the north-west of the county, 42 km from the city of Arad. The administrative area of the city covers an area of 119 km<sup>2</sup> and conducted Plain White Cris of a side of the river of the same name. The city was founded by the union of Pădureni and Chișineu Mic villages.

As the city ends or administrative territory of the city, west Socodor commune borders the south of the village at Șimand, north of the village at Zerind, and to the east by the commune of Sinte-Mare, Țipar villages, Adea and Zărand. City Chisinau- Cris is crossed by the highway Arad-Oradea, which before the bridge over White Criș in the Arad-Oradea, come off the highway to the border crossing point Vârșand.

Arad-Oradea railroad is in the east and in the west is one of the oldest railways in the country: Pădureni-Grăniceri.

Presence of White Criș, which separates the city into two parts, using the power supply enables the practice of irrigated crops.

### MATERIAL AND METHODS

For the development work have used data obtained through personal observations, the data accessed from Romanian Statistical Yearbook, from MARD and NIS and mayor of Chisinau Cris specific agricultural production showed very different dynamics, both in terms of sectors (vegetable and animal), and from a regional perspective, depending on the diversity of suitability agropedoclimatic, and the degree of use of production factors. Crop production registered a growth rate higher whereas requires less material and financial efforts, given the lack of capital market. In the last decade livestock were significant decreases. This, at current levels, can lead to compromising the genetic background in animal husbandry.

### RESULTS AND DISCUSSION

The situation of the village land Chișineu Cris is shown in Table .1. As can be seen from the table area of arable land is 6269, 2599 ha grassland, meadows occupy 662 ha and 25 ha orchards are mostly privately owned.

Table 1.

The situation of the village land Chisinau Cris

| Usage                         | Area (ha)   |
|-------------------------------|-------------|
| Arable                        | 6269        |
| Pastures                      | 2599        |
| Rough                         | 662         |
| Living                        | --          |
| Orchards                      | 25          |
| <b>Total agriculture land</b> | <b>9555</b> |

#### Crop structure

As can be seen in Table. 2. crop structure is varied, covering a wide range of crops. Therefore, main crop is maize which occupies about 40% with variations from year to year depending on crop rotation, market requirements and needs in households. The second place is shared with wheat crop and is about 25% of the surface.

In third place is 18% barley and oats occupies about 5%. Fodder plants occupy a percentage of 2%. Other culture occupies about 10% of the agricultural surface.

This undergoes changes as mentioned previously depending on various factors. Harvests also vary greatly in particular because of climatic factors and the technology used.

Table .2.

Share crops in the village Chișineu Cris (%)

| Culture     | %  |
|-------------|----|
| Maize       | 40 |
| Wheat       | 25 |
| Barley      | 18 |
| Oats        | 5  |
| Plants feed | 2  |
| Other crops | 10 |

### **The livestock sector**

Regarding the livestock sector that is well represented in the town Chişineu Cris consisting of a wide variety of animal species. This chapter cattle situation is as follows: 220 lactating cows heads; Heifers 89 heads; 35 steers ends

The total is 344 heads of cattle with growth trends in the coming years due to large areas planted with fodder and pasture.

The situation in the village pigs Chişineu Cris is: 65 breeding sows ends; 290 breeding sows ends; VIERA produces 8 heads; Fattening pigs over 50 kg 936 heads. Total pigs heads in 1299 (without taking into account the Smithfield farms).

These data show a good basis for growth of pigs in the area with high potential, a problem would still be sacrificing animals after EU rules need to be in environments where certain rules. Regarding of sheep stock is well appointed and the flock of sheep situation is as follows :

7600 Sheep heads; 135 breeding rams; Youth 870 sheep heads; The livestock sector is completed: 55 Specific Ways heads; 110 breeding mares ends; Goats 300 heads;

### **Technology Park**

Regarding the technological park of the village Cişineu Cris can see that it is very diverse covering all the requirements for obtaining high cultures both qualitatively and quantitatively. Such technological park includes the following equipment:

- Tractors 45-65 hp from 40 pieces;
- Tractors over 65 HP 25;
- Plough 42 pieces;
- Cultivators 50 pieces;
- Combination 24 pieces;
- Grape 30 pieces
- Seeders for cereals and hoes 70 pieces;
- Sprayers 27 pieces;
- Propelled combine for cereals and hoes 20 pieces;
- Balers 38 pieces;
- Trailers 80 pieces;

### **Agricultural societies**

Agricultural companies operating in the locality Cişineu Cris are:

- ✓ SC Agropădureni SRL 900HA;
- ✓ SC Agromec SA 1000 ha;
- ✓ SC Rovitur 300 ha;
- ✓ SC Agromer 497 ha;
- ✓ SC Tema company 125 ha,
- ✓ SC Smithfield SA 27 ha;
- ✓ SC Luna Vest 150 ha

Also here has its headquarters a major producer of agricultural equipment, namely Maschio Gaspardo, a company that produces a wide range of machinery which are marketed both domestically and for export.

#### **CONCLUSIONS**

- ❖ Located on the lower With Criș, the city derives its name from this river inextricably which has its origin in Tree Zone.
- ❖ City Chișineu Criș is sitting in plain between the White and Black Criș at a distance of 42km to 72km from the city of Arad and Oradea.
- ❖ As our city settlement in Europe is part of Romania in Eastern Europe generally having the status of plain buffer between Criș and Zărand Country.
- ❖ The settlement brings the soil resources obtaining high yields qualitatively and quantitatively, most of the active population works in agriculture.
- ❖ A yield obtained from vegetable cultivation provides them with a decent living, but with a high cost reflected the working hours.
- ❖ Companies in the agriculture of the area offer multitudinous jobs in the area.
- ❖ Government programs to help agriculture also influence positively Criș Chișineu area economy.
- ❖ The system of agriculture in the village Chișineu Criș is agricultural, agro-animal husbandry weak influences, this being due to the small number of animals.

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