



UNIVERSITY OF LIFE SCIENCES "KING MIHAI I" FROM
TIMISOARA
"YOUNG PEOPLE AND MULTIDISCIPLINARY RESEARCH
IN APPLIED LIFE SCIENCES"



"Young people and multidisciplinary
research in applied life sciences"

13-14 November 2025

NATURAL RESOURCES AND AGRICULTURAL POTENTIAL OF LUNCAVITA, CARAS-SEVERIN
COUNTY

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Abstract: This study analyzes the geographical characteristics, natural resources, and agricultural potential of Luncavița commune, Caraș-Severin County. The diverse relief, including hills, meadows, and forested slopes, creates strong pedological and ecological diversity that influences land use and farming practices. Using maps, statistics, and field observations, the research identified major soils such as eutricambosols, cambic chernozems, and acid brown soils. The results show fertile lands suitable for crops, orchards, and pastures, but limited by acidity, excess humidity, and erosion risk. The temperate-continental climate, forest biodiversity, and abundant water resources favor the development of mixed and sustainable agriculture, supporting local economic and ecological growth.

• Introduction

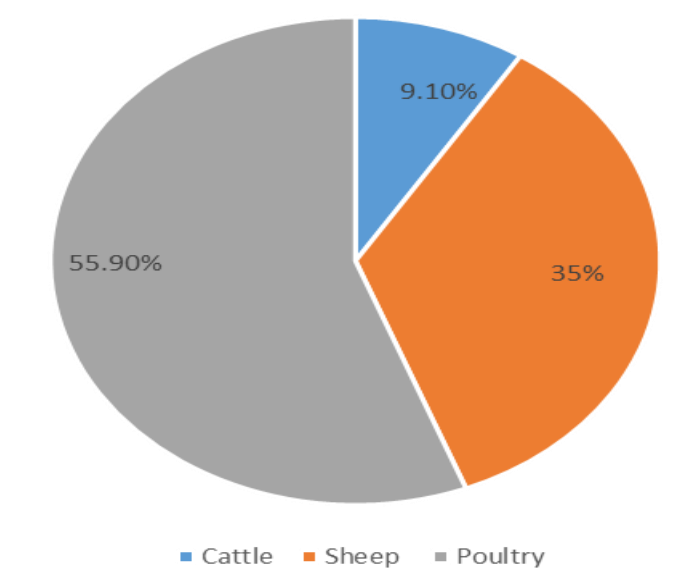
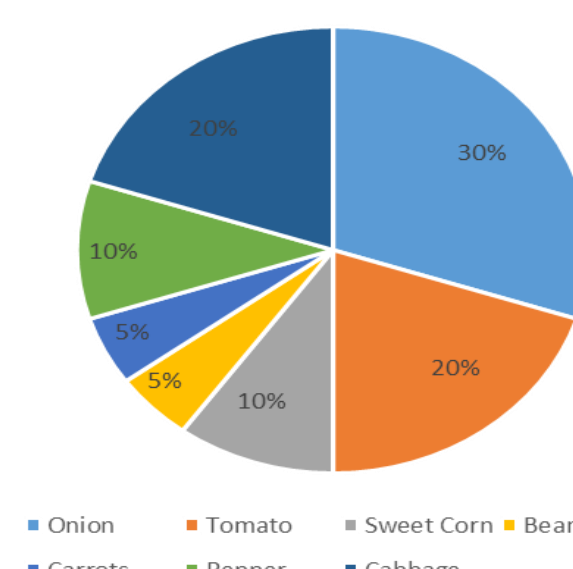
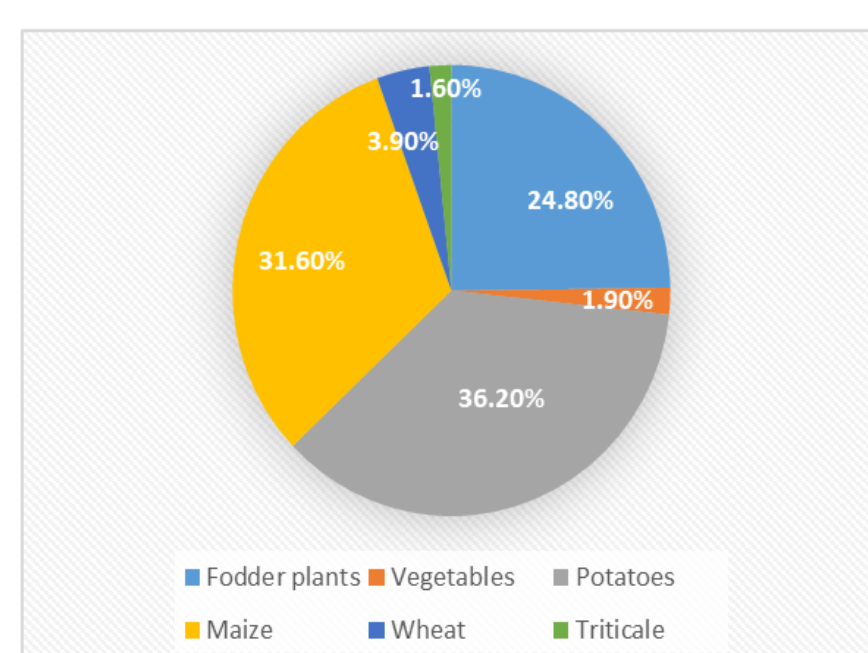
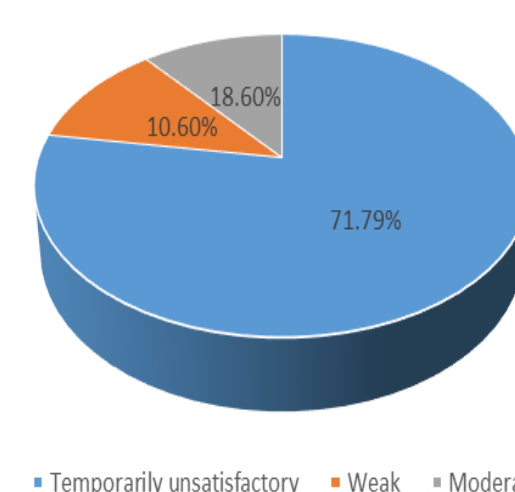
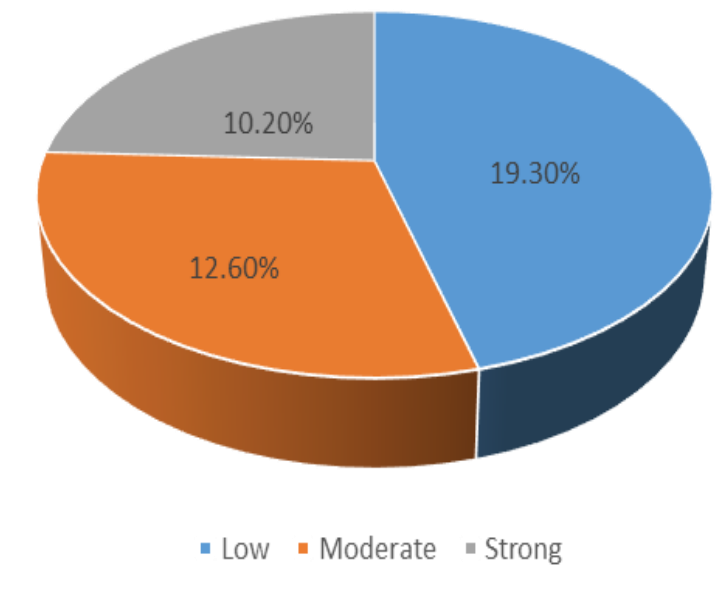
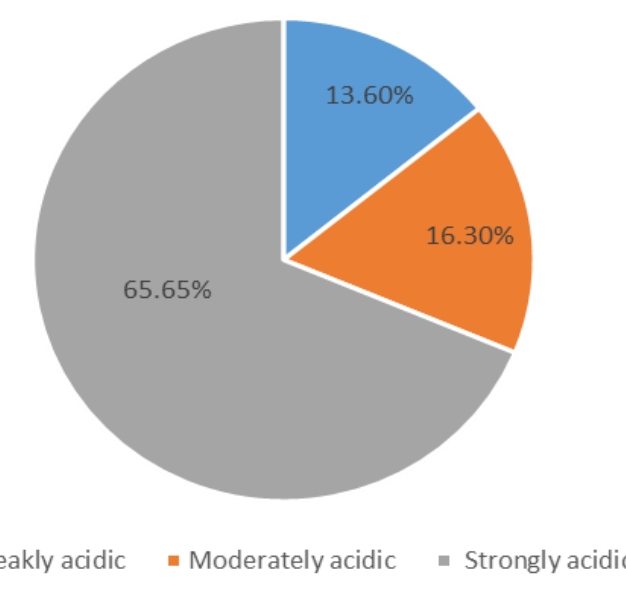
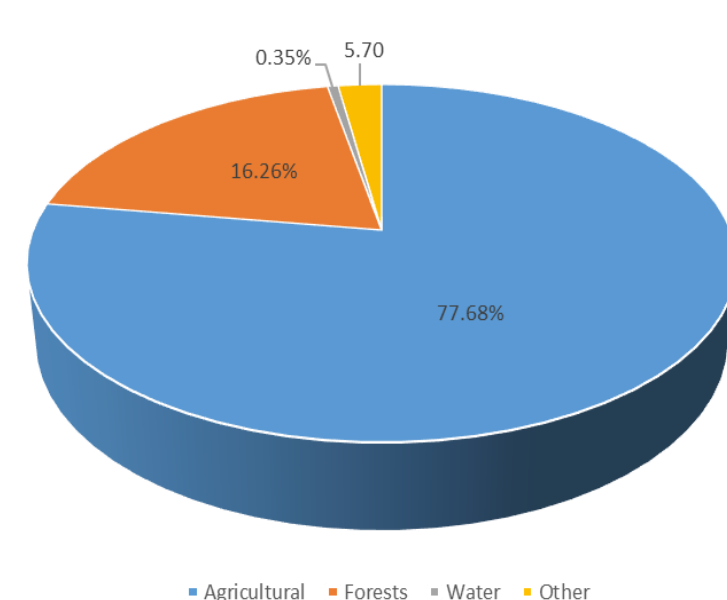
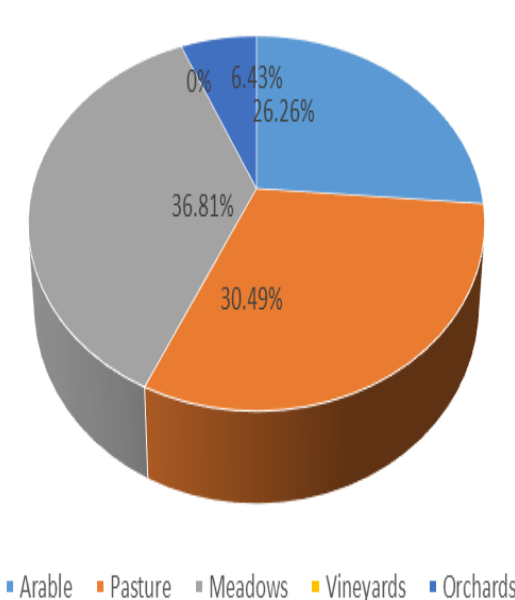
Soil represents a key natural resource whose properties determine agricultural productivity and ecological balance. Understanding its characteristics and sustainable management is essential for maintaining soil fertility and land productivity in the Luncavița area.

• Material and method

The study combined documentary analysis, statistical data, and field observations. Topographic, geological, and pedological maps were used to evaluate the relationships between relief, soil, and climate. All information was integrated and illustrated through tables and figures for a comprehensive understanding.

• Results and discussions

The commune of Luncavita has diverse relief and fertile soils favorable to crops, pastures, and orchards. However, agricultural productivity is limited by soil acidity, excess humidity, and erosion risk. Sustainable practices such as terracing, drainage, and fertilization are needed to maintain long-term soil quality.



• Conclusion

Luncavita's natural resources and climate support mixed and sustainable agriculture. Soil improvement and infrastructure modernization can enhance productivity and encourage rural development. The area also offers strong potential for agritourism and traditional product promotion.