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VIABLE MECHANICAL MEASURES FOR THE IMPROVEMENT OF SOILS IN THE USE CATEGORY OF PERMANENT MEADOWS

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Abstract: Prahova County's permanent meadows face soil challenges. This poster links soil analysis with viable mechanical measures for improvement. Tillage and subsoiling are among the strategies explored for sustainable solutions.

Introduction

Discover the soil landscape of Prahova County's permanent pastures. This poster summarizes an analysis of soil quality and highlights the importance of considering mechanical improvement methods for enhanced pasture health and yield.

Results and discussions

To address soil challenges in Prahova County's pastures, mechanical measures are viable. Tillage, subsoiling, and mole draining can improve conditions like compaction and poor drainage. Optimal management requires considering both the cost and ecological effects of these methods.

• Conclusions

Material and method

Existing Fulga survey data (SRTS 2012) was used to analyze Prahova County soil quality. Mechanical measures for improving meadows were reviewed, including tillage, subsoiling, harrowing, and mole draining, with a focus on costeffectiveness and ecological impact. To sustain pastures, integrate soil analysis and mechanical interventions. Use targeted methods like tillage and subsoiling in Prahova County, considering economic and ecological factors.