

Review

Poultry Farming in the Republic of Moldova: Current Trends, Best Practices, Product Quality Assurance, and Sustainable Development Strategies

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Abstract

Poultry farming ranks among the most rapidly expanding sectors of global agriculture, significantly contributing to food availability, improved dietary quality, and economic stability in rural areas. The sector's efficiency stems from short production cycles and the ability to convert agricultural by-products into high-quality protein, energy, and essential nutrients. Despite these benefits, the growing scale of poultry production raises serious environmental concerns, including intensive use of land and water, high feed demand, and impacts on greenhouse gas emissions, soil nutrient balance, and water quality. This study examines the poultry industry in the Republic of Moldova, where it forms a crucial component of the agricultural economy. Drawing on recent statistical data and scientific literature, the article reviews production dynamics, farm structures, and technological adoption, offering a comprehensive overview of the sector's current state. The findings highlight both the sector's essential role in strengthening food security and rural livelihoods and its susceptibility to resource limitations and environmental pressures. The analysis emphasizes the importance of implementing precision livestock farming technologies, improving biosecurity, and promoting environmentally sustainable practices as key strategies for long-term sector resilience. These insights aim to support policymakers and stakeholders in developing effective strategies to ensure a competitive and sustainable poultry industry in Moldova.

Keywords: poultry production; food security; feed resource; environmental impacts



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