

TRENDS AND CHALLENGES IN PEARL MILLET PRODUCTION WITH SPECIAL REFERENCE TO EASTERN UTTAR PRADESH

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ABSTRACT

Millet, a resilient grain, has been a staple crop for centuries. In 2023, the UN declared the International Year of Millets to highlight its role in addressing food security, nutrition, and sustainable agriculture. This study analyzes trends in pearl millet production in Eastern Uttar Pradesh from 2017-18 to 2021-22, focusing on area, yield, and interaction effects across 20 districts.

Purpose: *To assess production trends, identify spatial challenges, and recommend strategies for enhancing millet cultivation.*

Design/Methodology/Approach: *Secondary data on area, yield, and production are analyzed using CAGR and decomposition analysis to evaluate growth and the contributions of area and yield changes.*

Findings: *Significant variations in production trends are observed, with area and yield changes impacting output differently. Interaction effects highlight the need for targeted interventions.*
Originality/Value: *This study offers valuable agricultural planning and policy insights, supporting efforts to promote millet cultivation for sustainable development and food security.*

KEYWORDS: *Pearl millet, Production trends, Sustainable agriculture, Food security, Climate Change.*

JEL Classification- *Q10,Q12,Q13,Q18,Q56,R11,O13.*

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