

Adoption and Economic Viability of Weed Mat Ground Covers in Pineapple Systems of the Atewa Range, Ghana: A Comparative Cost- Benefit Analysis

K, w, a, m, e, A, s, a, r, e, ,, A, m, a, S, e, r, w, a, a, A, m, p, o, f, o

DOI: <https://doi.org/10.5281/zenodo.18561969>

| Abstract

This study addresses a current research gap in Agriculture concerning Adoption and profitability of weed mat ground covers in pineapple production systems of the Atewa Range, Ghana: a comparative cost analysis with conventional weeding in Ghana. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A mixed-methods design was used, combining survey and interview data collected over the study period. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency.

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