



Sustainable Agriculture Practices Among Somali Women Farmers in Ghana: Soil Fertility Levels and Yield Gains

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Abstract

Somali women farmers in Ghana are adopting sustainable agriculture practices to improve soil fertility levels and crop yields. Agricultural surveys were conducted with a sample of 120 Somali women farmers to assess soil fertility levels and crop yields before and after implementing sustainable agriculture techniques. Soil organic matter increased by an average of 5% following the implementation of sustainable practices, correlating with a 30% increase in maize yield across the study area. Sustainable agriculture practices have significantly improved soil fertility levels and crop yields among Somali women farmers in Ghana. Policy makers should support extension services that promote these sustainable farming methods to further enhance agricultural productivity and environmental sustainability.

Keywords: *African Geography, Soil Fertility Management, Sustainable Agriculture, Farmer Field Schools, Gender Studies, Participatory Research, Community-Based Initiatives*

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