

Category	: International Rice Research Conference
Select Theme	: Social inclusion and gender equality
Endorsement email	:
Keyword 1	: Impact of agricultural research
Keyword 2	: Structural barriers to social equity
Keyword 3	: Women entrepreneurship
Title of Entry	: Gender, agricultural innovations and intra-household time allocation in Ghana
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Select only one type of presentation	: 15 minute oral presentation

Abstract : This paper tests the hypothesis that adoption of improved rice variety and fertilizer reduces time allocated to domestic work and increases time allocated to rice production activities. Farm household activities are gendered: domestic activities disproportionately fall on females while productive activities disproportionately fall on males. Adoption of improved rice variety and fertilizer has implications for time allocated to gendered activities at household level. Despite this, the effect of adoption of agricultural innovations on intra-household time allocation has only received limited attention in the previous research. The study utilized a cross sectional data and a two-stage BFG (Bourguignon, Fournier, and Gurgand) selection bias correction model, to examine the linkage between adoption of the selected improved rice technologies and intra-household time allocation in Ghana. Drawing on 917 face-to-face interviews with rice producers, the result shows adoption of improved rice seeds and fertilizer reduced time allocated to domestic activities by 23.63 hours and increased the time allocated to rice production activities by 13.93 hours, on a weekly basis. Given that adoption of improved rice technologies increased the time allocated to rice production, and access to key productive resources are skewed in favour of males, the study recommends that efforts to improve the rice-subsector should not only focus on the development and promotion of improved rice technologies to reduce the drudgery involved in improved rice cultivation, but also ensure improvement in access to key productive resources, especially for women, to enhance adoption and ensure equity.

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