

# **Cocoa Farm Reconversion in Ghana's Cocoa Regions:** The Influence of Farm and Socio-Economic Factors

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### **Introduction (1)**

About 40% of cocoa tree Sampling **Study Area** Ghana stock in are **Multistage Mixed Sampling** being from unproductive overaged & infected by CSSV. 2<sup>nd</sup> Stage: Ghana's COCOBOD in recent years is Random 1st Stage: encouraging farmers to replant old 450 farmers variety farms with improved hybrid

varieties. There is the need to assess and understand the main factors that drive cocoa farmers to cut their old

varieties and replace them with improved ones.

## **Research Question**

What farm and socio-economic factors determine the reconversion of cocoa farms in Ghana's cocoa regions?



# **Results (3)**



## **Binary Logistic Regression Model (3.2)**

Dependent variable: Cocoa Reconversion	Coefficient
Age	-0.022*
Education	
Primary	-0.101
JHS	-0.65**
FBO	0.683**
Plot Ownership Status	
Plot Not Owned/Managed Tenurial Arrangement	-0.741*
Cocoa Variety	
Hybrid Only	0.768*
Amazonian Only	1.083**
Others	0.993**
District	
Ellembelle	0.722**
Afigya Kwabre	0.915**
***p<0.01, **p<0.05, *p<0.1	

#### Methodology (2)

Afigya Kwabre has the highest share (132) of farm plots planted with hybrid cocoa varieties compared to Ellembelle & Manso Amenfi.





Cocoa Reconversion/Replanting No Reconversion/Replanting

Afigya Kwabre has the highest share (44%) of farmers who have cut down their old varieties of cocoa & replanted with hybrid cocoa varieties.

#### Study Conclusions & Recommendations (4)

 Age, education, land tenurial arrangement, cocoa variety, and farm location affect cocoa farm reconversion in the study areas.

Land tenure policies and access to hybrid cocoa seedlings for cocoa farmers need to be improved to enhance reconversion of old and diseased cocoa farms.



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place of coconut have planted cocoa.