



# DRIVERS OF AGRI-FOOD SYSTEMS TRANSFORMATION

Thomas Jayne

Presentation at Food Security Innovation Lab Reflection Workshop  
March 5-6, 2019  
Washington, DC

Ag labor productivity

$$\frac{Y}{L} = \frac{\frac{Y}{A}}{\frac{L}{A}}$$

Value ag output per hectare

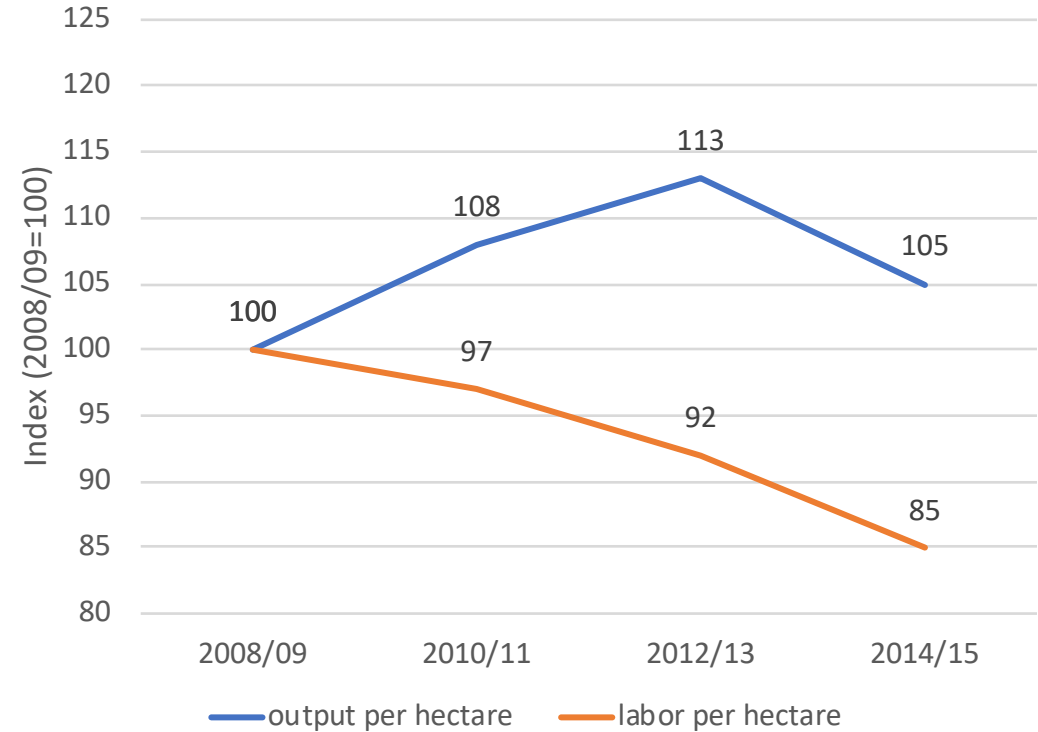
Labor input per hectare

# Tanzania

Y/L (value of output per labor day)

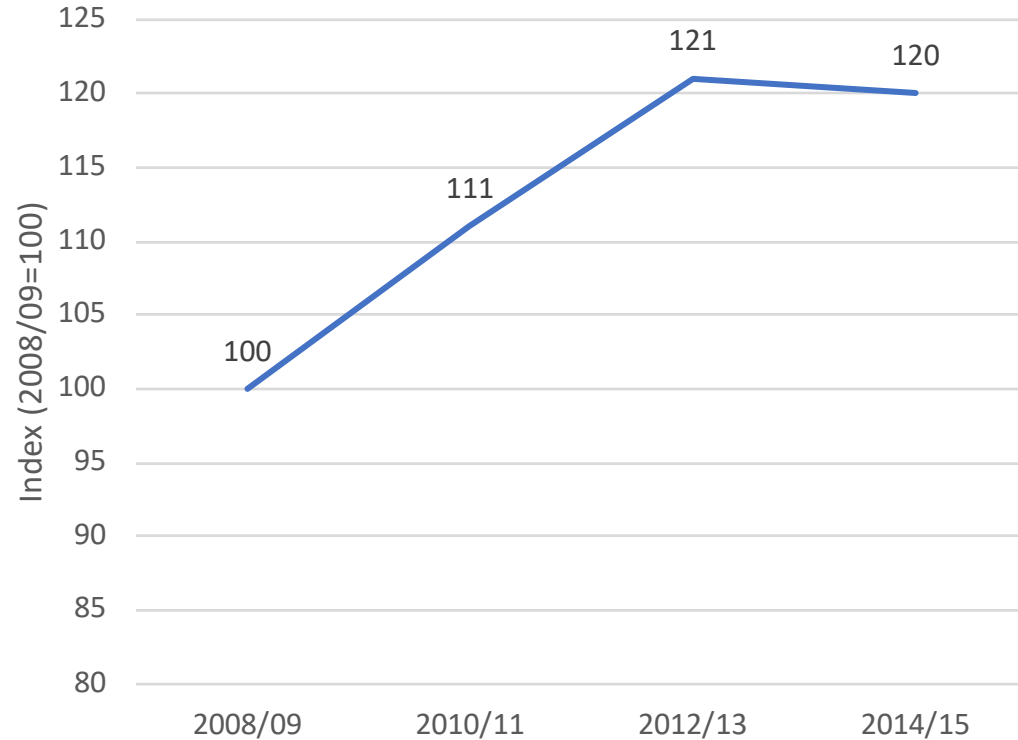
Y/A (value of output per hectare)

L/A (ag labor per cultivated hectare)



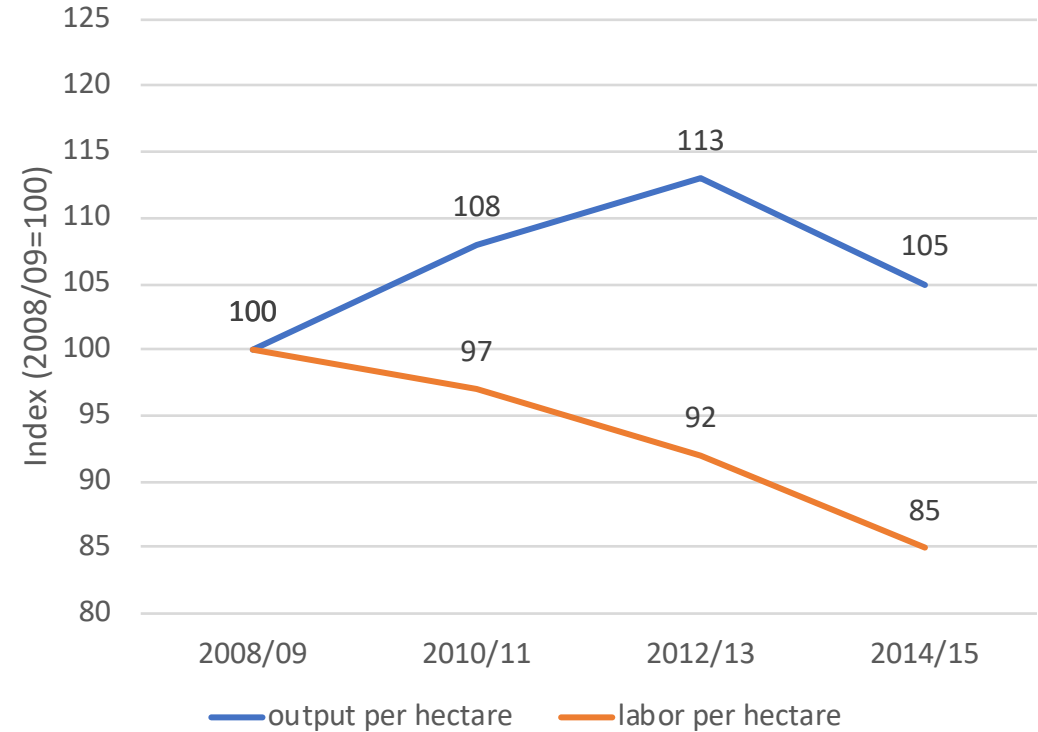
# Tanzania

Y/L (value of output per labor day)



Y/A (value of output per hectare)

L/A (ag labor per cultivated hectare)





# Drivers of agri-food system transformation

1. Policy reforms – agricultural and macroeconomic
2. Relatively high world food prices since 2006
3. Rapid investment in medium-scale and large-scale farms
4. Farm *labor* productivity growth
5. Agri-food system response: investment in input supply, downstream
6. Rapid growth in off-farm employment
7. Rising per capita incomes, urbanization
8. Dietary changes
9. Entrepreneurial mindset of young Africans

**All this → agri-food systems transformation**



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