

Does farm size matter for labor use and job quality? Evidence from Nigeria



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1. Motivation

Motivation

- Debate on roles of (changing) farm sizes
- Little empirical evidence

Case study: Tomato-value chain Nigeria

Data: primary survey (2023)

- 419 farms
- 768 workers (casual and seasonal)

2. Method

Employment quantity (per cultivated ha)

- Labor days
- Total hired workers

$$Eq_j = \beta_0 + \beta_1 FS_j + \beta_2 F_j + \epsilon_i$$

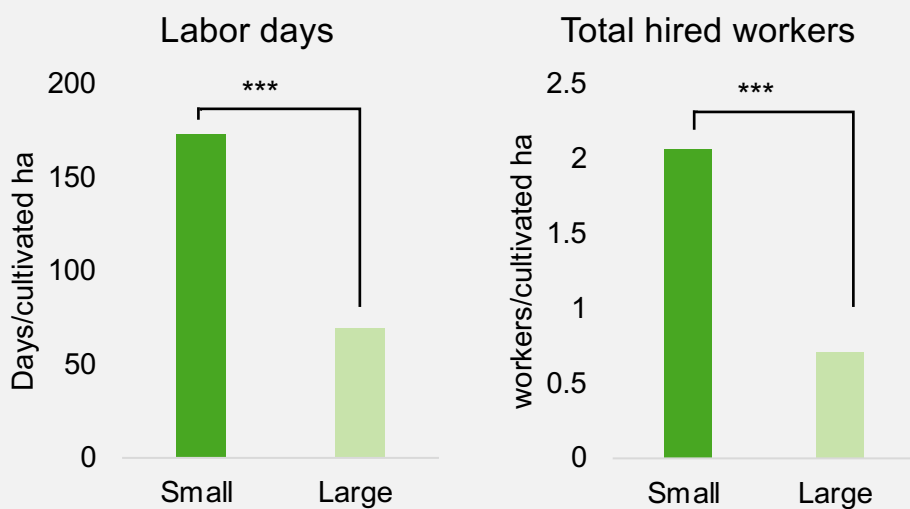
Employment quality

- Wage: Naira per hour
- Non-wage items: Decent-work index

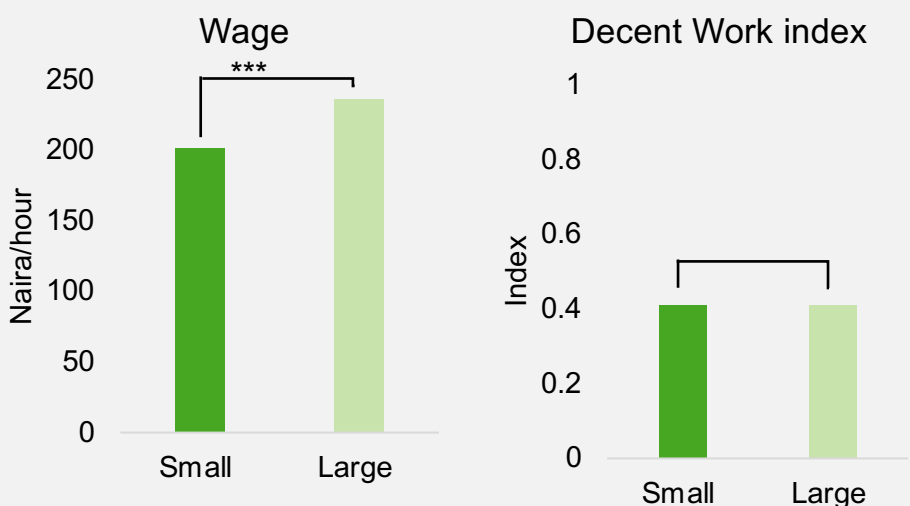
$$Eq_{ij} = \beta_0 + \beta_1 FS_{ij} + \beta_2 W_{ij} + \beta_3 F_j + \beta_4 W_{ij} + \epsilon_{ij}$$

3. Results

Quantity



Quality



Note: small-scale farms: < 5ha
 large-scale farms: > 5ha



4. Conclusion

Farm size matters

Small-scale farms offer:

- **More** jobs
- **Lower** wages
- **Similar** non-wage benefits

Casual workers have better job quality than seasonal workers

