

Determinants of perception of climate change and adoption of adaptation strategies among smallholder poultry farmers (SPFs) in Southwest, Nigeria

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Background:

The greater part of climate change adaptation studies emphasizes on staple food crops, live-stock and large-scale poultry production. Climate change has a negative influence on smallholder poultry production; aggravate productivity decline, increasing food insecurity, and posing a challenge to livelihood.

Objectives:

This study investigates the factors influencing perception and enhancing adoption of climate change adaptation strategies by smallholder poultry farmers.

Methods:

Multi-stage sampling procedure was used to select three hundred farmers from the study areas. Percentage and mean score were used to describe the data. While the stated hypotheses were tested with seemingly unrelated regression model and binary logistic model.

Results:

The study indicated a clear heterogeneity of perception of climate change among the farmers. At $p \leq 5\%$, there was strong evidence of connection between purpose of rearing poultry and perception of increased temperature, extended heat and experienced loss of weather. Poultry meat as specific product was strongly significant to all the factors enhancing adoption of adaptive strategies. However, farmers with over ten years of experience that produce eggs as specific product choose complementary adaptation strategies to mitigate the negative consequences of climate change.

Conclusion:

Public enlightenment program on climate change adaptation strategies is recommended to be diffused by extension experts through inputs suppliers and cooperative societies to smallholder poultry farmers.

Keywords: Perception, Climate-change, Adaptation-strategies, Smallholder poultry farmers

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